

Scientific Record  
2013 – 2017

# Scientific Record 2013-2017 (as of 20.03.2018)

This record covers scientific activities of DFD and University of Würzburg staff in the time period between January 1, 2013 and December 31, 2017.

<b>Teaching and Education</b> .....	<b>3</b>
Lectures at Universities .....	3
Invited Guest Lectures at Universities .....	8
Non-University Courses and Tutorials .....	10
Internal Seminar Series .....	14
Contributions .....	14
In-House Interns and Trainees .....	14
<b>Academic Degrees</b> .....	<b>15</b>
Professorship Appointments .....	15
Habitations and Venia Legendi .....	15
Doctoral Theses .....	16
Diploma/Master/Bachelor Theses.....	20
<b>Scientific Exchange</b> .....	<b>36</b>
Guest Scientists .....	36
Professional Leaves .....	40
<b>Conferences</b> .....	<b>41</b>
Major conferences, colloquia and workshops .....	41
Key Note Speeches at Major Conferences .....	43
<b>Patents</b> .....	<b>47</b>
Filed Patent Applications.....	47
Granted Patents .....	47
<b>Awards</b> .....	<b>48</b>
<b>Memberships</b> .....	<b>50</b>
Memberships in Space Mission and Earth Observation related Boards/Committees .....	50
Memberships in Journal Editorial Boards .....	54
<b>Publications</b> .....	<b>55</b>
Publications in ISI or Scopus Journals.....	55
Other Publications with Full Paper Review .....	69
Books.....	74
Book Contributions .....	75
Other Publications .....	80

## Teaching and Education

### Lectures at Universities

University courses conducted by DFD staff from 2013 until WS 2017/2018 (lecturers of the Department of Remote Sensing at University of Würzburg in *italic typeface*). Winter semester courses are listed in the year of beginning.

DFD has special relations to the following Universities: University of Würzburg (Chair for Remote Sensing, Prof. S. Dech), University of Augsburg (W2 professorship for Atmospheric Remote Sensing, Prof. M. Bittner), TU München (honorary professorship, Prof. G. Strunz) and University of Bayreuth (participation in Master program "Global Change Ecology").

University	Title	Lecturers	2013	2014	2015	2016	2017	2018
Würzburg	<b>Vorlesung</b>							
	Anwendungen der Fernerkundung in der Geographie	<i>Conrad, C.</i>	■	■	■	■	■	
	Applications of Earth Observation	<i>Conrad, C. Hüttich, C.</i>				■	■	
	Einführung in die Geographische Fernerkundung	Dech, S.	■	■	■	■	■	
	Introduction to Remote Sensing and Geoanalysis	Kuenzer, C.				■	■	
	Spezielle Physische Geographie I: System Erde – Mensch und Umwelt I: Hydrogeographie	<i>Conrad, C.</i>		■	■			
	<b>Seminar</b>							
	Ausgewählte Themen zur Analyse urbaner Räume basierend auf Erdbeobachtungsdaten	Taubenböck, H.	■	■	■	■		
	Remote Sensing in Urban Geography	Taubenböck, H.					■	
	Dynamik der Landoberfläche	<i>Conrad, C. Kuenzer, C.</i>	■	■	■	■		
	Dynamik der Landoberfläche	<i>Conrad, C.</i>					■	
	Land Surface Dynamics	Künzer, C.					■	
	Fernerkundliche Methoden für das Forst- und Umweltmonitoring	<i>Latifi, H.</i>			■	■		
Fernerkundung im Ressourcenmanagement	<i>Conrad, C. Taubenböck, H.</i>	■	■	■	■	■		

University	Title	Lecturers	2013	2014	2015	2016	2017	2018
	Regionale Geographie außerhalb Europas II	<i>Conrad, C.</i>	■					
	<b>Übung</b>							
	Auswertung optischer Fernerkundungsdaten unter ENVI	<i>Bachmann, M.</i>	■		■			
	Digital Image Analysis and GIS	<i>Conrad, C. Hüttich, C.</i>				■	■	
	Einführung in die objektorientierte Datenverarbeitung mit eCognition	<i>Thiel, M. Taubenböck, H.</i>		■	■	■		
	Advanced Spatial Analysis for Geoscientists: eCognition	<i>Thiel, M. Geiß, C.</i>					■	
	Machine Learning for geospatial applications“ im Modul “Environmental Modelling	<i>Geiß, C.</i>					■	
	From Field Measurements to Geoinformation	<i>Conrad, C.</i>					■	
	Spatial Modeling and Prediction	<i>Wegmann, M.</i>					■	
	Advanced Spatial Analysis for Geoscientists: LiDAR	<i>Latifi, H.</i>					■	
	Special Methodological Issues	<i>Latifi, H., Wegmann, M.</i>					■	
	Land and Water Management	<i>Conrad, C.</i>					■	
	Selected Applications	<i>Wegmann, M.</i>					■	
	Project management / Scientific Presentation / Scientific Writing	<i>Wegmann, M.</i>					■	
	Feldmethoden der Fernerkundung	<i>Lex, S.</i>	■					
	Fernerkundliche Analysen mit dem Open Source Programm R	<i>Latifi, H.</i>	■	■	■			
	Fernerkundliche Parameter der Landoberfläche	<i>Conrad, C.</i>	■	■	■	■	■	
	Methoden der fernerkundlichen Datenauswertung	<i>Kübert, C. Conrad, C.</i>	■	■	■	■	■	

University	Title	Lecturers	2013	2014	2015	2016	2017	2018
	Programming and Geostatistical Analysis	<i>Wegmann, M.</i>				■		
	Von 3D-Punktwolken bis zum Boden: Einführung in die LIDAR-Fernerkundung	<i>Latifi, H.</i>	■	■	■	■		
	What's g(r)owing on? Fernerkundliches Monitoring in der Landwirtschaft	<i>Conrad, C. Fritsch, S.</i>			■			
<b>Others</b>								
Angers, France	Introduction to LIDAR remote sensing	<i>Latifi, H.</i>				■		
Augsburg	Aktuelle Aspekte der Atmosphären- und Klimaforschung (Seminar)	Bittner, M. Wüst, S.	■	■	■	■	■	
	Physik der Atmosphäre I (Vorlesung)	Bittner, M.	■	■	■	■	■	
	Physik der Atmosphäre I (Übung für Physiker und Mathematiker)	Wüst, S.	■	■	■	■	■	
	Physik der Atmosphäre I (Übung für Geographen)	Küchelbacher, L.					■	
	Physik der Atmosphäre II (Vorlesung)	Bittner, M.	■	■	■	■	■	
	Physik der Atmosphäre II (Übung)	Wüst, S.	■	■	■			
	Physik der Atmosphäre II – Numerische Methoden (Vorlesung)	Wüst, S.				■	■	
	Antarktisforschung in Deutschland (Seminar)	Höppner, K.			■			
	Atmosphärenforschung (Seminar)	Höppner, K.		■	■			
	Fernerkundung der polaren und kalten Regionen	Höppner, K.					■	
	Die Antarktis: ausgewählte Forschungsfelder (Seminar)	Höppner, K.				■		
	Polare Regionen (Seminar)	Höppner, K.				■		

University	Title	Lecturers	2013	2014	2015	2016	2017	2018
Bayreuth (GCE)	Advanced Methods in Nature Conservation (Vorlesung + Übung)	<i>Wegmann, M.</i>	■	■	■	■	■	
	Global Change Impacts on Species Distributions (Vorlesung + Übung)	<i>Wegmann, M.</i>	■	■	■	■	■	
	Patterns of Land Use and Ecosystem Dynamics (Vorlesung + Übung)	<i>Wegmann, M.</i>	■	■	■	■	■	
	Remote Sensing (Vorlesung + Übung)	<i>Wegmann, M.</i>	■	■	■	■	■	
	Remote Sensing in Biodiversity Research (Vorlesung + Übung)	<i>Wegmann, M.</i>	■	■	■	■	■	
Berlin (HU)	Objektbasierte Bildverarbeitung und maschinelle Lernverfahren	Geiß, C.					■	
Eichstätt	Fernerkundung (Vorlesung, Seminar/Praktikum)	Sparwasser, N.	■	■	■	■	■	
Graz (TU), Austria	Urbane Fernerkundung (Seminar/Praktikum)	Wurm, M.	■		■			
	Advanced Classification (Vorlesung/Übung)	Wurm, M.				■	■	
Jena	Hyperspektrale Fernerkundung (Seminar)	Bachmann, M. Müller, A.		■		■		
	Geo-Informatik (Seminar)	Habermayer, M.	■		■		■	
Karlsruhe (KIT)	Energy Meteorology	Schroedter-Homscheidt, M.				■	■	
Katibougou , Mali	Agricultural land use mapping (GIS and RS)	Thiel, M.					■	
Köln	Energy Meteorology	Schroedter-Homscheidt, M.				■	■	
Kumasi, Ghana	Introduction to Remote Sensing and GIS	<i>Thiel, M.</i>				■		
Lomé, Togo	Desasters and Human contingency	<i>Thiel, M.</i>	■	■			■	
Minna, Nigeria	Applied Remote Sensing	<i>Thiel, M.</i>		■			■	

Scientific Record 2013-2017 (as of 20.03.2018) > Teaching and Education

University	Title	Lecturers	2013	2014	2015	2016	2017	2018
München (HS)	Fernerkundung (Vorlesung, Seminar/Praktikum)	Schmitt, A.			■	■		
	Fernerkundung – Vertiefung (Vorlesung, Übung)	Rentsch, M.			■	■	■	
München (LMU)	Kartographie/GIS (Grundvorlesung)	Strobl, C.	■	■	■	■	■	
München (TU)	Applied Earth Observation (Spezialvorlesung)	Strunz, G.	■	■	■	■	■	
	Geostatistics and Geomarketing (Spezialvorlesung)	Strobl, C.	■	■	■	■	■	
	DV-gestützte Geostatistik (Spezialvorlesung)	Strobl, C.	■	■	■	■	■	
	Mission Engineering and Ground Infrastructure (ESPACE)	Diedrich, E.				■	■	
Neu- branden- burg	Datenerfassung und Datenmanagement – Fernerkundung (Vorlesung)	Borg, E.	■	■	■			
	Landschaftswissenschaften und Geomatik – Fernerkundung (Vorlesung)	Borg, E.	■	■	■	■	■	
Rostock	Ringvorlesung: Nutzung von Fernerkundungsmethoden zur Charakterisierung von Moorstandorten	Borg, E.					■	
Stuttgart (HS)	Advanced Topics of Photogrammetry and Remote Sensing (Vorlesung, Seminar und Übung)	Esch, T.	■	■	■	■	■	
Venedig, Italy	Fernerkundung (Spezialvorlesung)	Marconcini, M.			■			

LMU: Ludwig-Maximilians-Universität  
 TU: Technische Hochschule  
 HS: Hochschule  
 GCE: Elitestudiengang Global Change Ecology

**Invited Guest Lectures at Universities**

Invited guest lectures at universities conducted by DFD staff from 2013 until WS 2017/2018 (lectures of Department of Remote Sensing staff from University of Würzburg in *italic typeface*)

University	Title	Lecturers	2013	2014	2015	2016	2017	2018
Bremen	Assessing the Ecosystem Service Potential of Coastal Mangrove Forests combining Remote Sensing and Social Science Studies	Kuenzer, C.	■					
Cape Town, South Africa	New forms of global urbanization – An Earth observation perspective (online-guest lecture)	Taubenböck, H.			■			
Cork, Ireland	Remote Sensing of Coasts and River Deltas globally	Kuenzer, C.			■			
Dortmund	Fernerkundung und geostatistische Verfahren zur Analyse städtischer Räume	Taubenböck, H.			■			
Dresden (TU)	Information about dust properties from hyperspectral infrared space observations	L. Klüser			■			
Duisburg-Essen	Nutzungspotentiale der Satellitenfernerkundung für umweltmeteorologische Anwendungen	Erberteder, T.			■			
Hannover	Fernerkundung von Küsten und Flussdeltas: Schnittstellen mit Hydrologie und Küstenbauingenieurwesen	Kuenzer, C.			■			
Hannover	Irradiance Forecasts for Electricity Production	Schroedter-Homscheidt, M.	■					
Jena	Modulare Programmierung mit IDL für den Einsatz in der Fernerkundung	Bachmann, M. Habermayer, M.	■	■	■	■		
Hochschule München	Globale Urbanisierung: Perspektiven aus dem All	Taubenböck, H.					■	
München (TU)	Information Extraction from Remote Sensing Data for Disaster Management Applications	Martinis, S.				■	■	
	Data Processing and Image Analysis	Plank, S.				■	■	
	European Earth Observation Systems	Schreier, G			■	■	■	



University	Title	Lecturers	2013	2014	2015	2016	2017	2018
	Perspektiven aus dem All - Die Transformation des physischen Zusammenlebens	Taubenböck, H.					■	
München (LMU)	Urban Remote Sensing	Taubenböck, H.					■	
Nikosia (TU), Cyprus	Multitemporal Earth Observation Analysis	Geßner, U.				■		
	The European Earth Observation Programme COPERNICUS: A contribution to preserve Cultural Heritage	Schreier, G				■		
Salzburg, Austria	New dimensions of urbanization – An Earth observation perspective	Taubenböck, H.			■			
Taiwan, China	The Potential of EO for Coastal Research Applications	Kuenzer, C.				■		
Teheran, Iran	From 3D point cloud to the ground: How able is the airborne remote sensing to capture information on forest structure?	Latifi, H.	■					
Tianjin, China	Remote Sensing Time Series revealing Land Surface Dynamics	Kuenzer, C.			■			

**Non-University Courses and Tutorials**

Non-university courses and tutorials conducted by DFD staff from 2013 to 2017 (courses of Department of Remote Sensing at University of Würzburg in *italic typeface*)

Lecturer	Location	Subject	2013	2014	2015	2016	2017	2018
Bachmann, M.	Beijing, China	Atmospheric Correction using ATCOR, IEEE GIS Training Course				■		
Bachmann, M. Holzwarth, S. Pinnel, N.	St. Oswald, Oberpaffenhofen	RS4forestEBV: Airborne remote sensing for monitoring essential biodiversity variables in forest ecosystems, EUFAR summer school					■	
Bachmann, M. Zepp, S. Heiden, U.	München, Oberpaffenhofen	Vicarious calibration/validation experiment, EnMAP summer school					■	
Bettinger, M. Gebner, U. Klein, D. Klein, I. Mager, A. Martinis, S. Molch, K. Plank, S. Schreier, G. Voigt, S.	Oberpaffenhofen	Two-day day training course and workshop for WFP analysts on satellite data processing methods					■	
Chang, J.W.	Dongying China	User Training for the DELIGHT Data Manager			■			
Chang, J.W.	Dongying China	Data Preparation and Ingestion for the DELIGHT Information System		■	■			
Da Ponte, E.	Bogotá, Colombia	Training at WWF on processing approaches for Sentinel 1 and 2, mapping water surface dynamics and derivation of land cover.					■	
Erbertseder, T. Meyer-Arnek, J.	Berlin	Nutzung von Fernerkundungsprodukten der Atmosphäre für Umweltmonitoring			■			
Gähler, M.	Oberpaffenhofen	ZKI-Training für Mitarbeiter des Ministerium des Innern und Sport Land Sachsen-Anhalt			■			
Gähler, M. Mager, A.	Oberpaffenhofen	ZKI-DE Nutzertraining für BKA				■		
Gähler, M. Mager, A.	Frankfurt a. M.	ZKI-DE Training zur Befähigung des BKG					■	

Lecturer	Location	Subject	2013	2014	2015	2016	2017	2018
Gähler, M. Schneiderhan, T.	Bonn	ZKI-DE Nutzertraining für GMLZ-Mitarbeiter des BBK			■			
Gähler, M. Schneiderhan, T.	Oberpfaffenhofen	ZKI-DE Nutzertraining für Mitarbeiter des BKA			■			
Geßner, U.	Ouagadougou, Burkina Faso	WASCAL Training/Workshop on Remote Sensing of the Land Surface					■	
Gosdschan, T.	Sioux Falls, USA	International Charter Space and Major Disasters / PM-Training			■			
Gstaiger, V. Zwenzner, H.	Wien, Österreich	International Charter Space and Major Disasters / PM-Training			■			
Jaspersen V.	Dongying, China	OGC Services, Metadata and ISO Standards			■			
Jaspersen, V.	Dongying China	User Training for the DELIGHT (Data and) System Administrator		■	■	■		
Kuenzer, C.	Peking, China	Assessing Land Surface Dynamics	■	■				
Kuenzer, C.	Tianjin, China	Zeitreihenprozessierung und thermale Fernerkundung			■			
<i>Leinich, M.</i>	Almaty, Kasachstan	Introduction into QGIS (QGIS Courses) for the CAREC-staff			■			
<i>Löw, F.</i> <i>Bauer, C.</i> <i>Thiel, M.</i>	Almaty, Kasachstan; Urgench, Usbekistan	R-Trainingskurse in Zentralasien			■	■	■	
Mager, A. Gähler, M.	Bonn	ZKI-DE Nutzertraining für GMLZ-Mitarbeiter des BBK				■		
<i>Morper-Busch, L.</i> <i>Dimov, D.</i> <i>Conrad, C.</i>	Almaty, Kasachstan	Summer School: "CAWa Summer School at German-Kazakh University in Almaty"		■	■	■	■	
<i>Morper-Busch, L.</i> <i>Dimov, D.</i>	Almaty, Kasachstan	Methods and Tools for the Assessment and Monitoring of Central Asian Water and Land Resources - From field measurements to spatial analysis				■		

Lecturer	Location	Subject	2013	2014	2015	2016	2017	2018
Mühlbauer, M. Voigt, S.	Oberpfaffen- hofen	DLR Wissensaustauschworkshop „DLR.Open II - Open Data Science und Open Geodata“					■	
Pinnel, N. Holzwarth, S.	St. Oswald, Oberpfaffen- hofen	Tree species classification. RS4forestEBV: Airborne remote sensing for monitoring essential biodiversity variables in forest ecosystems, EUFAR summer school					■	
Plank, S.	Tokio, Japan	DLR-ZKI, Governance Disaster Management in Germany, Earth Observation Services along the Disaster Management Cycle – examples					■	
Riedlinger, T.	Córdoba, Argentinien	International Charter Space and Major Disasters / PM-Training				■		
Roth, A.	Weßling	SAR Principles and Applications (CCG Kurs)	■	■	■	■	■	
Schreier, G.	München	TUM Tech: European Earth Observation Systems				■	■	
Strobl, C.	Stuttgart	Geodatenverarbeitung mit Python, FOSSGIS- Gruppe			■			
Strobl, C.	Münster	Workshop - Einführung in die Geodatenverarbeitung mit Python (FOSSGIS Konferenz)			■			
Strobl, C.	Münster	Workshop - GeoPython (FOSSGIS Konferenz Passau)				■		
Thiel, M.	Bonn	Remote Sensing of land cover and land use at different scales				■		
Thiel, M.	Ouagadougou, Burkina Faso	Overview of Remote Sensing concepts					■	
Wegmann, M. Leutner, B.	Radolfzell Virginia, USA	AniMove: Animal Movement and Remote Sensing for Conservation			■	■	■	
Zeidler, J.	Cape Town, South Africa	Geospatial Demography: Combining Satellite, Survey, Census and Cellphone Data to Provide Small-area Estimates. Mapping Settlements and Exploring data, tools, training					■	



### Internal Seminar Series

Title	Comments
DFD Seminar	6 – 8 presentations per year, DFD and guest scientists
Seminars of DFD sections	132 seminars between 2013 and 2017, DFD and guest scientists (2017: 19, 2016: 51, 2015: 24, 2014: 25, 2013: 15)
Doktorandentage University of Würzburg	Annual event with on average 7 PhD status presentations
R-Werkstatt University of Würzburg	19 presentations since 2013 (2017: 3, 2016: 5, 2015: 4, 2014: 5, 2013: 2)
Werkstattberichte University of Würzburg/PhD Talks	16 since 2013 (2017: 1, 2016: 4, 2015: 8, 2014: 1, 2013: 2)

### Contributions

Title	Comments
Wissenschaftliches Kolloquium of DLR Oberpfaffenhofen	3 presentations since 2013 (2017: 0, 2016: 1, 2015: 1, 2014: 1)
Diplomanden-/ Doktorandenseminar der Physischen Geographie, University of Würzburg	15 seminars since 2013 (2017: 5, 2016: 3, 2015: 5, 2014: 1, 2013: 1)

### In-House Interns and Trainees

293 students (2013: 45, 2014: 34, 2015: 82, 2016: 36, 2017: 96) received practical training and supervision from DFD staff during short-term periods of stay at DFD between 2013 and 2017.

## Academic Degrees

### Professorship Appointments

Professorship appointments of DFD or University of Würzburg staff (in *italic typeface*) since 2013

Name	Professorship	University	Year
Schmitt, A.	Professur für „Angewandte Geodäsie“	Hochschule München	2016

### Habilitations and Venia Legendi

Habilitations awarded, supervised or completed by DFD or University of Würzburg staff (in *italic typeface*) since 2013

Name	Subject	University	Year	Reviewers
Taubenböck, H.	Der Einsatz der Erdbeobachtung zur Analyse globaler Urbanisierung	Würzburg	Ongoing	Prof. Dech Prof. Baumhauer Prof. Hahn
Wüst, S.	Wellen in der mittleren Atmosphäre – Untersuchung von Kopplungsmechanismen und Entwicklung von Validationskonzepten	Augsburg	Ongoing	Prof. Reller Prof. Horn Prof. Hoppe
<i>Conrad, C.</i>	Neue Konzepte der Fernerkundung und Geoinformatik für ein nachhaltiges Land- und Wassermanagement in Trockengebieten	Würzburg	2017	Prof. Dech Prof. Hahn Prof. Baumhauer
<i>Latifi, H.</i>	Methoden zur Erfassung von Struktur und Vitalität der temporären Waldbestände mit Fernerkundung	Würzburg	2017	Prof. Dech Prof. Baumhauer PD Dr. Müller
Kuenzer, C.	The potential of EO for the sustainable management of natural resources in large river delta regions	Würzburg	2016	Prof. Dech Prof. Baumhauer Prof. Rauh

**Doctoral Theses**

Doctoral Theses supervised or completed by DFD or University of Würzburg staff (in *italic typeface*) since 2013

<b>Name</b>	<b>Title</b>	<b>University</b>	<b>Year</b>	<b>Reviewers</b>
Adam, F.	Urban Classification Using Different Machine Learning Approaches	Osnabrück	Ongoing	Reinartz, P. (1) Datcu, M. (2)
Aravena-Pelizari, P.	Tbd	Würzburg	Ongoing	N.N. (1) N.N. (2)
<i>Bauer, C.</i>	Explaining and assessing spatial and temporal patterns of low productivity arable land and land abandonment – using satellite observation and socioeconomic data of the irrigated low-lands of Central Asia	Würzburg	Ongoing	Conrad, C. (1) N.N. (2)
Baumhoer, C.	Untersuchung von Gletscher- und Eisschelfdynamiken an ausgewählten Gletschern auf der antarktischen Halbinsel mit dem Schwerpunkt einer automatischen Auskartierung von Gletscher- und Eisschelffronten (tbd)	Würzburg	Ongoing	Künzer, C. (1) N.N. (2)
<i>Clauß, K.</i>	Derivation and characterization of rice crop areas employing medium resolution multispectral and high resolution SAR time-series	Würzburg	Ongoing	Kuenzer, C. (1) Wagner, W. (2)
Da Ponte Canova, E.	Forest Cover Dynamics and Ecosystem Service Approaches in the Atlantic Forest of Paraguay	Kiel	Ongoing	Oppelt, N. (1) Kuenzer, C. (2)
<i>Dahms, T.</i>	Ableitung von biophysikalischen Parametern aus fusionierten hochfrequenten fernerkundlichen Zeitserien	Würzburg	Ongoing	Conrad, C. (1) N.N. (2)
Friedl, P.	Using multi-sensor time series of remote sensing data for deriving glacier dynamics on the Antarctic Peninsula	Erlangen	Ongoing	Braun, M (1) Höppner, K. (2)
Georg, I.	New spatial dimensions of global cityscapes: Concepts and spatial methods for delineation	Salzburg	Ongoing	Blaschke, T. (1) Taubenböck, H. (2)
Hannawald, P.	Analyse von Schwerewellenparametern aus Kameraaufnahmen des OH Airglow	Augsburg	Ongoing	Bittner, M. (1) N.N. (2)
<i>Hill, S.</i>	Monitoring the structural parameters of forest habitats by multi-source/multi-temporal remote sensing data	Würzburg	Ongoing	N.N. (1) N.N. (2)
<i>Hu, Z.</i>	The Potential of Earth Observation for the Analysis of Cold Region Land Surface Dynamics in Europe (tbd)	Würzburg	Ongoing	Künzer, C. (1) Conrad, C. (2)



Name	Title	University	Year	Reviewers
Jilge, M.	Fusion of hyperspectral and multispectral data for urban analyses Analysing Urban Surfaces with Spaceborne Hyperspectral (EnMAP) and Multispectral Remote Sensing Data (Sentinel-2)	Bochum	Ongoing	Jürgens, C. (1) Somers, B. (2)
Knauer, K.	Vegetation Dynamics in West Africa. Spatio-temporal Data Fusion for the Monitoring of Agricultural Expansion	Würzburg	Ongoing	Kuenzer, C. (1) Conrad, C. (2)
Kübert, C.	Assessment and analysis of land surface phenology using remote sensing data	Würzburg	Ongoing	Dech, S. (1) Paeth, H. (2)
Küchelbacher, L.	Charakterisierung der planetaren Wellendynamik und deren Kopplung innerhalb der Tropo-und Stratosphäre im Bereich der Mittelbreiten auf das Wettergeschehen	Augsburg	Ongoing	Bittner, M. (1) N.N. (2)
Leichtle, T.	Analyse der Veränderungen der Stadtstruktur und deren Implikationen für das Wasserressourcenmanagement – eine fernerkundungsgestützte Analyse im Delta des Gelben Flusses	Berlin (HU)	Ongoing	Lakes, T. (1) N.N. (2)
Leutner, B.	Sensor Requirements for Remote Sensing Based Habitat Mapping	Würzburg	Ongoing	Dech, S. (1) Müller, J. (2)
Li, Y.	Automatic Change Detection for Natural Disasters Based On Space-borne SAR Time Series Data	München (LMU)	Ongoing	Ludwig, R. (1) N.N. (2)
Liuzzi, M.	Integration of Field Surveys and Remote Sensing Techniques for Seismic Vulnerability Assessment: Methods and Applications to the Val d'Agri Area (Southern Italy)	Basilicata, Italy	Ongoing	N.N. (1) N.N. (2)
Mancera, D.	Klimatologie der Aerosolvertikalverteilung in der Grenzschicht für Solarenergieanwendungen	Oldenburg	Ongoing	N.N. (1) N.N. (2)
Nguyen, B. D.	Exploring SAR time series for the analyses of seasonality patterns	Wien (TU)	Ongoing	Wagner, W. (1) Kuenzer, C. (2)
Offenwanger, T.	Statistische Untersuchung von Aerosol-Wolken-Wechselwirkungen mit Satellitenbeobachtungen und globalen Zirkulationsmodellen	Augsburg	Ongoing	Beck, C. (1) N.N. (2)
Orynbaikyzy, A.	Assessing Crop Type Composition and Changes using Sentinel-1 and Sentinel-2	Würzburg	Ongoing	N.N. (1) N.N. (2)
Ottinger, M.	Earth observation for spatial assessment of aquaculture areas - Analyses of high spatial resolution, multi-temporal SAR data to delineate coastal aquaculture pods in Asia	Würzburg	Ongoing	Kuenzer, C. (1) Wagner, W. (2)

Name	Title	University	Year	Reviewers
Palacios-Lopez, D.	Supporting Global Urban Monitoring based on combined Exploitation of Sentinel-1, Sentinel-2 and Landsat-8 imagery	tbd	Ongoing	N.N. (1) N.N. (2)
Sedlak, René	Charakterisierung der Aktivität und Turbulenz von Schwerewellen in der mittleren Atmosphäre anhand von Spektrometer -und Imagerdaten des OH Airglow	Augsburg	Ongoing	Bittner, M. (1) N.N. (2)
Shi, L.	Analysis on the spatial pattern of Chinese urban lands and its development potential	Peking	Ongoing	N.N. (1) N.N. (2)
Staab, J.	Lärmkartierung aus dem All	Berlin (HU)	Ongoing	Lakes T (1) N. : (2)
Standfuß, I.	Das Migrationsverhalten von Zugvögeln in Abhängigkeit von Siedlungsmustern und -strukturen	Würzburg	Ongoing	Dech, S. (1) N.N. (2)
Tsyganskaya, V.	A fuzzy logic-based approach for the detection of flooded vegetation by means of Synthetic Aperture Radar data	München (LMU)	Ongoing	Ludwig, R. (1) Strunz, G. (2)
Wachter, P.	Untersuchung des Zusammenhangs räumlicher Temperaturmuster und atmosphärischer Zirkulation mit Fokus auf der Antarktischen Halbinsel	Augsburg	Ongoing	Jacobeit, J. (1) N.N. (2)
Weigand, M.	Einfluss der nachbarschaftlichen Stadtumwelt auf die Gesundheit der Menschen in Deutschland	Würzburg	Ongoing	Dech, S. (1) N.N. (2)
Wohlfahrt, C.	Assessing land surface dynamics in the Yellow River Basin in China	Würzburg	Ongoing	Kuenzer, C. (1) Conrad, C. (2)
Xu, X.	Phenological Extraction for Agricultural Land-use Types Using Multi-scale Satellite Data and Crop Model	Würzburg	Ongoing	Conrad, C. (1) N.N. (2)
Wei, C.	Quantifying urban growth and urban agglomeration in multi-scale areas	Salzburg	2017	Blaschke, T. (1) Taubenböck, H. (2)
Knöfel, P.	Konzeption und Anpassung von fernerkundlichen Algorithmen zur Erfassung und Bewertung der Wassernutzungseffizienz in Baumwollökosystemen Zentralasiens	Würzburg	2016	Conrad, C. (1) Paeth, H. (2)
Metz, A.	An advanced system for the targeted classification of grassland types with multi-temporal SAR imagery	Osnabrück	2016	Ehlers, M. (1) Reinartz, P. (2)
Schmidt, C.	Entwicklung eines Infrarotspektrometers zur operationellen Beobachtung des OH-Luftleuchtens mit hoher zeitlicher Auflösung	Augsburg	2016	Bittner, M. (1) Horn, S. (2)

<b>Name</b>	<b>Title</b>	<b>University</b>	<b>Year</b>	<b>Reviewers</b>
<i>Forkour, G.</i>	Mapping Landuse and Landuse Change Pathways in the Sudanian Savanna of West Africa.	Würzburg	2015	Conrad, C. (1) Paeth, H. (2)
<i>Fourie, C.</i>	Sample supervised approaches for geographic object-based image analysis	Jena	2015	Hese, S. (1) Schmullius, C. (2)
<i>Geiß, C.</i>	Seismic vulnerability assessment of built environments with remote sensing	Berlin	2015	Lakes, T. (1) Taubenböck, H. (2)
<i>Kerr, G.</i>	Quality Assessment For Hyperspectral Airborne Systems: From Data Up To Land-Products	Berlin	2015	Reulke, R. (1), Preusker, R. (2)
<i>Kramer, R.</i>	Aktivitäts-und Energieanalyse von Wellen in der mittleren Atmosphäre zur Verbesserung der energetischen Einschätzung von Tiefdruckgebieten und deren Vorhersage	Augsburg	2015	Bittner, M. (1) Wixforth, A. (2)
<i>Ullmann, T.</i>	Characterization of Arctic Environment by Means of Polarimetric Synthetic Aperture Radar (PolSAR) Data and Digital Elevation Models (DEM)	Würzburg	2015	Baumhauer, R. (1) Dech, S. (2)
<i>Walz, Y.</i>	Remote sensing for disease risk profiling: a spatial analysis of schistosomiasis in West Africa	Würzburg	2015	Dech, S. (1) Utzing, J. (2)
<i>Asam, S.</i>	Potential of high resolution remote sensing data for Leaf Area Index derivation using statistical and physical models	Würzburg	2014	Dech, S. (1) Kunstmann, H. (2)
<i>Ehrler, C.</i>	Scale-Wavelength Decomposition of Hyperspectral Signals - Use for mineral classification & quantification in a reflective-thermal study of a lignite mining site	Karlsruhe (KIT)	2014	Hinz, S. (1) Reinartz, P. (2)
<i>Klüser, L.</i>	Analysis of aerosol-cloud-interactions over semi-arid and arid subtropical land regions from three different satellite datasets (MODIS, AATSR/ENVISAT, IASI)	Augsburg	2014	Bittner, M. (1) Horn, S. (2)
<i>Leinenkugel, P.</i>	Land Cover Characteristics and Tree Cover Dynamics in the Mekong Basin. Analysing one decade of satellite data	Kiel	2014	Oppelt, N. (1) Kuenzer, C. (2)
<i>Löw, F.</i>	Agricultural crop mapping from multi-scale remote sensing data. Concepts and applications in heterogeneous Middle Asian agricultural landscapes	Würzburg	2014	Conrad, C. (1) Michel, U. (2)
<i>Bayer, A.</i>	Methodological Developments for Mapping Soil Constituents using Imaging Spectroscopy	Potsdam	2013	Kaufmann, H. (1) Dech, S. (2)

Name	Title	University	Year	Reviewers
Dietz, A.	Ableitung von Schneeflächen und Schnee-Wasser-Äquivalent aus Zeitreihen von Fernerkundungsdaten in Zentralasien	Würzburg	2013	Conrad, C. (1) Dech, S. (2)
Fritsch, S.	Regional crop growth modeling and yield prediction by utilization of remote sensing and production efficiency models	Würzburg	2013	Conrad, C. (1) Paeth, H. (2)
Gerighausen, H.	Modellierung der Bodenerosion landwirtschaftlicher Ökosysteme mit Methoden der Fernerkundung	Bonn	2013	Menz, G. (1) Kaufmann, H. (2)
Niklaus, M.	Modellierung der vegetativen Produktivität zur Bewertung der Landdegradation im ariden und semi-ariden südlichen Afrika	Göttingen	2013	Kappas, M. (1) Günther, K. (2)
Thiel, M.	Nutzung von Texturinformationen hochaufgelöster SAR-Daten zur Beschreibung von Siedlungsflächen	Jena	2013	Schmullius, C. (1) Conrad, C. (2)
Tran Thai, B.	The Knowledge-Based Search For Water-Related Information System for the Mekong Delta, Vietnam	Bonn	2013	Greve, K. (1) Menz, G. (2)
Vo Quoc, Tuan	Valuation of Mangrove Ecosystems along the Coast of the Mekong Delta in Vietnam - an approach combining socio-economic and remote sensing methods	Kiel	2013	Oppelt, N. (1) Kuenzer, C. (2)
Wurm, M.	Verknüpfung von Fernerkundungsdaten und Survey-Daten (SOEP und BASE-II) in städtischen Räumen für sozialwissenschaftliche Analysen	Graz	2013	Schardt, M. (1), Wagner, G. (2)

KIT: Karlsruher Institut für Technologie

### Diploma/Master/Bachelor Theses

Diploma (D) / Magister (MA) / Master (M) / Bachelor (B) theses supervised or completed at DFD or Department of Remote Sensing at University of Würzburg (in *italic typeface*) since 2013

Name	Subject	University	Year	D/M/B
Atieku-Dzandu, B.	Understanding the Impact of Urbanization of Land-use using TimeScan and Global Urban Footprint Dataset - A Case Study for the Greater Accra Region, Ghana	Stuttgart (HFT)	Ongoing	<b>M</b>
Bauer, A.	Soil Repository – Determination of Thresholds for the Detection of Active Soils from Landsat Time Series	Ebertswalde (HS)	Ongoing	<b>M</b>
Basdas, K.	Analyse von Siedlungsstrukturen	München (HS)	Ongoing	<b>B</b>

<b>Name</b>	<b>Subject</b>	<b>University</b>	<b>Year</b>	<b>D/M/B</b>
Füstring, J.	Bewertung des Einflusses von Wind auf das Trackingverhalten eines Parabolantennensystems	Stralsund (HOST)	Ongoing	<b>B</b>
Mc Kenna, A.	Analysis of potential habitats for the species red deer ( <i>Cervus elaphus</i> ) in Mecklenburg Vorpommern	Eberswalde (HS), Warsaw University of Life Science	Ongoing	<b>M</b>
<i>Dahle, F.</i>	Räumliche Analyse von Siedlungsstrukturen und sozio-ökonomische Parameter für Europa	Würzburg	Ongoing	<b>B</b>
Dinh Dieu, A.	Analysis of flood patterns in the Mekong Delta based on high spatial and high temporal resolution water body mapping	Algave	Ongoing	<b>M</b>
Fluhrer, A.	Detection of grounding line migration from Sentinel 1 satellite data using SAR interferometry	Erlangen	Ongoing	<b>M</b>
Gutwinski, M.	Entwicklung und Analyse eines Informationssystems urbaner hyperspektraler Bildspektren	Bochum	Ongoing	<b>M</b>
Huang, R.	Geo-Information extraction from Tweets	Tübingen	Ongoing	<b>M</b>
Kupfer, N.	A novel land use and land cover product for the Mekong Delta based on high spatial resolution, satellite data time series	Heidelberg	Ongoing	<b>M</b>
Li, P	Thermale Fernerkundung von Vulkanen	Stuttgart	Ongoing	<b>M</b>
Mast, S.	Analyse und Vergleich der Oberflächenstruktur von Gemeinden in Nordrhein-Westfalen anhand des Local-Climate Zone Konzeptes	Hannover	Ongoing	<b>B</b>
Miesgang, C.	Es soll ein Algorithmus zur Detektion von Brandflächen aus variablen Sensordaten auf Basis der Active Level Set Methode evaluiert und validiert werden	München (LMU)	Ongoing	<b>M</b>
<i>Reinermann, S.</i>	Extreme Events in Europe between 2000 and 2017: Analysis of Vegetation Dynamics based on Earth Observation Time Series	Bayreuth	Ongoing	<b>M</b>
Rosenberg, S.	Intra-class spectral variability of tree species induced by topography and environmental parameters	Erlangen	Ongoing	<b>M</b>
<i>Schiller, C.</i>	Analyse und Anwendung von terrestrischen und satellitengestützten Umweltdaten in der Landwirtschaft	Potsdam	Ongoing	<b>M</b>
Schork, K.	Ableitung der Schneefläche durch die Kombination von optischen Daten und Radardaten in ausgewählten Untersuchungsgebieten	Augsburg	Ongoing	<b>M</b>
Stark, T.	Slum detection using Deep Neural Networks	München (TU)	Ongoing	<b>M</b>
Steffen, J.	Analyse der Lage der Wellenfronten eines tsunamiinduzierten Infraschallereignisses vor der Küste Chiles in der Mesopausenregion	Augsburg	Ongoing	<b>B</b>

<b>Name</b>	<b>Subject</b>	<b>University</b>	<b>Year</b>	<b>D/M/B</b>
Stiller, D.	Analysing Spatio-temporal Patterns of Coastal Aquaculture Based on Three Decades of Satellite Data	Bayreuth	Ongoing	<b>M</b>
Talapatra, M.	Modelling Population Distribution using Global Urban Footprint (GUF) and VHR SAR Imagery for Java, Indonesia	Stuttgart (HS)	Ongoing	<b>M</b>
Thiele, A.	Analyse, Verschneidung und Produktgenerierung von 3D Daten anhand eines ausgewählten Anwendungsbeispiels im ZKI	Augsburg	Ongoing	<b>M</b>
Yavsan, Z.	Spektral aufgelöste Analyse der Aktivität von atmosphärischen Schwerewellen in der Mesopause an verschiedenen geographischen Breiten	Augsburg	Ongoing	<b>B</b>
Baumhoer, C.	An automated approach to estimate large-scale flood volumes based on SAR satellite imagery and different DEMs - a risk management support	Bonn	2017	<b>M</b>
<i>Biber, M.</i>	Can animal movement and remote sensing data help to improve conservation efforts? A case study on plains and Grevy's zebras	Bayreuth	2017	<b>M</b>
<i>Binning, J.</i>	Entwicklung eines räumlich-dynamischen Ansatzes zur fernerkundungsbasierten Modellierung der tatsächlichen Evapotranspiration von Bewässerungsregionen im Aralseebecken	Würzburg	2017	<b>M</b>
Blickensdörfer, L.	Improving Classification of Very-High-Resolution Satellite Imagery – Combining Invariant Support Vector Machines and Object-Based Image Analysis to Tackle Limited Information Input.	Heidelberg	2017	<b>B</b>
Borngräber, S.	Erdbeobachtungspotential im Kontext von kommunalen Wärmeplänen	Tübingen	2017	<b>M</b>
<i>Brandl, V.</i>	Evaluierung von Sentinel-3-Daten für die Zwecke der Landbedeckungsklassifikation	Würzburg	2017	<b>B</b>
Cwik, K.	Flood mapping with the Sentinel-1 time-series data in arid areas	München (TU)	2017	<b>M</b>
Deck, R.	The Potential of Open Geodata and Multi-Temporal Landsat Data for Automated Large-Scale Land Use and Land Cover Classification	Augsburg	2017	<b>M</b>
Devi Eswaramoorthy, V.	Increasing the Statistical Significance for MODIS Active Fire Hotspots in Portugal Using One-Class Support Vector Machines	München (TU)	2017	<b>M</b>
Färber, V.	Analysing drought severity in Ethiopia using high resolution optical satellite data	Innsbruck	2017	<b>M</b>
Fetik, Y.	Supervised machine learning of fullcube hyperspectral data	Salzburg	2017	<b>M</b>

<b>Name</b>	<b>Subject</b>	<b>University</b>	<b>Year</b>	<b>D/M/B</b>
<i>Glaser, P.</i>	Random-Forest-Klassifikation agrarischer Landnutzungsflächen mithilfe von Sentinel-1-Daten am Beispiel östliches Harvorland	Würzburg	2017	<b>B</b>
<i>Hammer, L.</i>	Erklärung räumlichen Verhaltens von Störchen mittels Fernerkundung	Würzburg	2017	<b>B</b>
Hintermaier, S.	Rekonstruktion von Bodenradar-Daten des Vernagtferners aus multifrequenten SAR-Aufnahmen	München (HS)	2017	<b>B</b>
Kalusche, E.	Ableitung zeitlich und räumlich variabler Emissionsfaktoren für den Raum München und Augsburg aus realistischen Verkehrsdichten	Augsburg	2017	<b>M</b>
<i>Karg, S.</i>	Burn scar detection using polarimetric ALOS-2 time-series data	Bayreuth	2017	<b>M</b>
Kühnlenz, S.	Beitrag zur Ermittlung des Bodensignals zur verbesserten Ableitung des Vegetationssignals aus Fernerkundungsdaten	Neubrandenburg	2017	<b>M</b>
<i>Macheleidt, L.</i>	Census versus morphological slums derived from EO data - A spatial comparison of locations and structures for two megacities in Brazil	Kiel	2017	<b>B</b>
<i>Maier, P.</i>	Modellierung von Erntemengen für Hopfsorten in der Hallertau mittels Deep Learning Algorithmen auf Basis von Klima- und Satellitendaten	Würzburg	2017	<b>M</b>
Mittelstädt, L.	Untersuchung des Halbjahresgangs der Temperatur und Zusammenhang mit der Albedo	Augsburg	2017	<b>M</b>
Müller, I.	Exposition und Lage von Slums in Megastädten - eine Analyse mit Hilfe von Fernerkundung	Kiel	2017	<b>M</b>
Murawski, M.	Morphologie von Großwohnsiedlungen – Eine Strukturanalyse städtebaulicher Großwohnsiedlungen basierend auf räumlichen Daten	Kiel	2017	<b>M</b>
<i>Palacios Lopez, D.</i>	Multi-temporal Analysis of Sentinel-1 SAR Satellite Data for Post-Seismic Building Damage Assessment of the Mw.6.0 Earthquake in Italy	Stuttgart (HS)	2017	<b>M</b>
<i>Phillip, M.</i>	Spectral and spatial resolution of remote sensing data and its impact on classification processes. A case study of the Bavarian Steigerwald	Würzburg	2017	<b>M</b>
Reck, R.	Tree Species Classification in the Bavarian Forest National Park using Hyperspectral Remote Sensing and Site Specific Information	Augsburg	2017	<b>M</b>
Reuß, F.	Detection of favelas in Brazil using texture parameters and machine learning	Graz	2017	<b>M</b>
Rohde, A.	Satellitengestützte Analyse der Feinstaubkonzentration über Deutschland	Augsburg	2017	<b>M</b>

<b>Name</b>	<b>Subject</b>	<b>University</b>	<b>Year</b>	<b>D/M/B</b>
Roth, G.	Umsetzung eines MODIS-basierten Prozessors zur Detektion von Flutflächen in Python	München (LMU)	2017	<b>B</b>
Schrade, H.	Large-Area Morphologic Characterization of Urban Environments with Machine Learning Regression Algorithms Using Data of the TanDEM-X Mission and Sentinel-2	Augsburg	2017	<b>M</b>
<i>Schulte, H.</i>	Quantifying landcover change using remote sensing data in a transboundary protected area	Bayreuth	2017	<b>M</b>
<i>Staab, J.</i>	Applying Computer Vision of Monitoring Visitor Numbers	Würzburg	2017	<b>M</b>
<i>Steiner, S.</i>	Sentinel-2 based Land Cover Inventory in Punjab, Pakistan	Würzburg	2017	
Thoma, M.	Cost-Sensitive Active Learning mit Fernerkundungsdaten zur Abschätzung der Gebäudevulnerabilität bei Hochwasser und Erdbeben	Hagen	2017	<b>M</b>
Weigand, M.	SAR Image Feature Analysis for Slum Detection in Megacities	Augsburg	2017	<b>M</b>
Winkler, K.	Assessment of agricultural drought over Africa and its relation to El Niño-Southern Oscillation using remote sensing-based time series	Tübingen	2017	<b>M</b>
Wittmann, C.	Aufbau eines Infrarotspektrometers zur Beobachtung verschiedener OH-Rotations-Vibrationsbanden in atmosphärischen Nachtleuchten	Augsburg	2017	<b>M</b>
<i>Von Uslar, J.</i>	Der Einfluss stratifizierter Sampling Methoden auf multi-temporale, objektbasierte Random-Forest Klassifikation	Würzburg	2017	<b>M</b>
<i>Baumann, M.</i>	Entwicklung der landwirtschaftlichen Nitratbelastung des bayerischen Mains vor dem Hintergrund der Europäischen Wasserrahmenrichtlinie	Würzburg	2016	<b>B</b>
Becker, C.	Global flood detection using Sentinel-2A-MSI by combining histogram-based and regional methods compared with an automated RandomForest approach	München (HS)	2016	<b>M</b>
Berndt, F.	Satellite-based shelter detection in the context of large scale events and refugee camps: Development and transferability of an object-based classification approach	Salzburg	2016	<b>M</b>
Bettinger, M.	Entwicklung einer Prozesskette zur automatischen Detektion von Brandflächen auf der Basis von Sentinel-2 Daten	München (TU)	2016	<b>M</b>
<i>Bolkart, M.</i>	Mapping and Monitoring Locust Habitats in the Aral Sea Region based on Satellite Earth Observation Data	Würzburg	2016	<b>M</b>
Dada, E.	Monitoring and Evaluating Temporal Changes of Cocoa Plantation in Ondo State, Nigeria with Remote Sensing Techniques	Stuttgart (HS)	2016	<b>M</b>



<b>Name</b>	<b>Subject</b>	<b>University</b>	<b>Year</b>	<b>D/M/B</b>
Deb, P.	Settlement Pattern Analysis of Germany based on Global Human Settlement Raster Data Sets	Stuttgart (HS)	2016	<b>M</b>
<i>Eger, D.</i>	Ernteabtragsabschätzung von Winterweizen mittels hochauflösender spektraler Daten	Würzburg	2016	<b>B</b>
Ferstl, J.	Klassifizierung und Kategorisierung von Regionen in Europa - Eine Analyse von Siedlungsmustern abgeleitet aus Erdbeobachtungsdaten des Global Urban Footprint	München (HS)	2016	<b>B</b>
Fix, M.	Signaturen von Infraschall im atmosphärischen Luftleuchten	Augsburg	2016	<b>M</b>
Fürmann, M.	Evaluation of High Temperature Event Detection Algorithms with the space-borne TET-1 Infrared Sensor	Stockholm	2016	<b>M</b>
<i>Griep, T.</i>	Charakterisierung von Einschlägen blindgegangener Fliegerbomben aus dem Zweiten Weltkrieg auf Grundlage historischer Luftbilder und verifizierter Bombenfunde des Bay. Innenministeriums zur Anwendung in der Kampfmittelvorerkundung	Würzburg	2016	<b>B</b>
<i>Groll, M.</i>	Verwendung eines PROSPECT Inversionsmodells zur Ableitung von Trockenmasse und Chlorophyllgehalt durch Spektrometernmessungen auf Weizenfeldern	Würzburg	2016	<b>B</b>
Heckel, K.	Analysis of a long-term Time Series of 1 km NDVI Data derived from AVHRR over Europe and North Africa - Impact of Sensor Correction	Jena	2016	<b>M</b>
Heisig, J.	A multitemporal land cover classification of Bavaria from Landsat 8 satellite data	München (LMU)	2016	<b>B</b>
<i>Katz, E.</i>	Untersuchung der Volumenschwankungen des Sarykamyschsee mit Hilfe fernerkundlicher Methoden	Würzburg	2016	<b>B</b>
Kovatsch, M.	Earth Observation Based Monitoring of the Refugee Camp Yida in South Sudan and Its Impact on the Environment	München (TU)	2016	<b>M</b>
Küchelbacher, L.	Variabilität und Trends planetarer Wellen der mittleren Atmosphäre der Nordhalbkugel	Augsburg	2016	<b>M</b>
Kühnl, M.	Räumliche Strukturen informeller Besiedlung in Europa	Augsburg	2016	<b>B</b>
<i>Kuhn, J.</i>	Using very high resolution remote sensing imagery to assess crop diversity in the Fergana Valley, Uzbekistan	Würzburg	2016	<b>M</b>
<i>Lambrecht, L.</i>	Untersuchung und Besprechung der fernerkundlich erfassten Veränderung der Landnutzung in Nord-Ghana unter Berücksichtigung des Niederschlags	Würzburg	2016	<b>B</b>
<i>Löw, J.</i>	Analyse der Bodenfeuchteentwicklung in zentralasiatischen Bewässerungssystemen anhand von CCI Soil Moisture- Zeitserien	Würzburg	2016	<b>B</b>

<b>Name</b>	<b>Subject</b>	<b>University</b>	<b>Year</b>	<b>D/M/B</b>
Majhen, P.	Objektbasierte Klassifikation und physiognomischer Strukturvergleich der informellen Siedlungstypen in der Metropolregion Greater Cairo	Graz (TU)	2016	<b>M</b>
Müller, T.	Analysis of the spectral calibration of NOAA-AVHRR sensors and correcting its effects using hyperspectral data	Salzburg	2016	<b>M</b>
Offenwanger, T.	Räumliche Charakteristik atmosphärischer Wellen in OH*-Airglowdaten: Anwendung eines neuen Messverfahrens basierend auf IR-Spektrometern	Augsburg	2016	<b>M</b>
Pitz, N.	Quantitative Analyse der informellen Siedlungsstrukturen in Caracas, Venezuela	Gießen	2016	<b>B</b>
<i>Premier, J. B.</i>	The Lynx Effect: Behaviour of Roe Deer in the Presence of Lynx in a European Forest Ecosystem	Würzburg	2016	<b>M</b>
<i>Roersch, S.</i>	Urbane Entwicklung und Struktur im ländlichen Raum Usbekistans am Beispiel des Ferganatal	Würzburg	2016	<b>B</b>
<i>Sauerbrey, J. A.</i>	Volumenschwankungen von Stauwasserseen im Gebiet Khorezm, Usbekistan	Würzburg	2016	<b>B</b>
Schlegel, I.	Potentiale von Erdbeobachtungsdaten für die Ableitung von Vulnerabilitätsindikatoren im Delta des Gelben Flusses, China	Hamburg	2016	<b>M</b>
Schmöckel, J.	Analyse von Schwerewellen und ihren nicht-linearen resonanten Wechselwirkungen über den Alpen basierend auf TIMED-SABER Temperaturprofilen	Augsburg	2016	<b>M</b>
Schneider, T.	Earth observation (EO)-based identification of land use/ land cover changes related to large-scale land investments using the example of Lichinga, Niassa	Erlangen	2016	<b>M</b>
Schöler, C.	Moderne Webtechnologien und –standards als Basis für die Entwicklung eines Webportals für das Projekt IMPC	Neubrandenburg (HS)	2016	<b>B</b>
Schröter, E.	Innovative Visualisierungen von Kriseninformation auf Basis von Fernerkundungsdaten: UAS-gestützte Lagebilderfassung für zivile Sicherheitsanwendungen	Hamburg	2016	<b>M</b>
Schröther, T.	Untersuchung des Einflusses von Polarisierungseffekten bei der Beobachtung des Hydroxyl(OH*)-Leuchtens mit dem IR-Spektrometer GRIPS	Augsburg	2016	<b>B</b>
Schubert, H.	Vorhersagegüte räumlicher Texturmerkmale in der hochaufgelösten Landbedeckungsklassifikation mit Hilfe von maschinellen Lernverfahren	Jena	2016	<b>B</b>

<b>Name</b>	<b>Subject</b>	<b>University</b>	<b>Year</b>	<b>D/M/B</b>
<i>Schumann, B.</i>	Ermittlung der Baumkronendichte des Ober- und Unterstandes in heterogenen Wäldern mit Hilfe von multitemporalen LiDAR-Daten	Würzburg	2016	<b>M</b>
Schwalb-Willmann, J.	Comparison of different algorithms for calculating broadband albedo from AVHRR data	München (LMU)	2016	<b>B</b>
Schwarz, M.	Auswertung satellitenbasierter Langzeitreihen zur Stickstoffdioxidbelastung globaler Megacities	München (LMU)	2016	<b>B</b>
Sedlak, R.	Aufbau eines neuen Airglow Imagers zur Messung kleinskaliger dynamischer Strukturen in der mittleren Atmosphäre	Augsburg	2016	<b>M</b>
<i>Sostmann, H.</i>	Vergleich unterschiedlicher statistischer Verfahren zur Ableitung biophysikalischer Parameter aus RapidEye Daten	Würzburg	2016	<b>B</b>
<i>Stelzner, T.</i>	Einfluss der Wasserverfügbarkeit auf Dynamik der Nutzungsintensität landwirtschaftlicher Flächen in zentralasiatischen Bewässerungsgebieten	Würzburg	2016	<b>B</b>
Stephani, A.	Impact of remote sensing characteristics for biodiversity monitoring - A case study of Southern Myanmar mangroves	Bayreuth	2016	<b>M</b>
Tavri, A.	Flood monitoring based on multi-temporal Sentinel-1 data - a synergistic approach of amplitude data with interferometric coherence	München (TU)	2016	<b>M</b>
Ulloa Torrealba, Y.Z.	Land change in the Main catchment with an Object Based approach using eCognition	Bayreuth	2016	<b>M</b>
Üreyen, S.	Monitoring urban growth by means of multi-temporal time-series of optical Landsat data	Jena	2016	<b>M</b>
<i>Asja, B.</i>	Mind the Gap: A Global Analysis of Grassland Fragmentation using MODIS Land Cover Data	Bayreuth	2015	<b>M</b>
<i>Baron von Freytag-Loringhoven, L.</i>	Untersuchung der Abhängigkeit der Vegetationsvitalität von der Topographie auf landwirtschaftlich genutzten Flächen in Nordwest Benin unter Erstellung einer semiautomatisierten Prozesskette	Würzburg	2015	<b>B</b>
Bauer, P.	Räumliche Analyse der Megaregionen Chinas auf Basis von Daten des Global Urban Footprint	München (LMU)	2015	<b>B</b>
<i>Bernd, A.</i>	Global Grassland intactness analysis (working title)	Bayreuth	2015	<b>M</b>
<i>Beroya-Eitner, M.</i>	Flood Vulnerability Index for Delta Socio-Economical Systems: Application to the Mekong River Delta, Vietnam	Bayreuth	2015	<b>M</b>
<i>Birkholz, R.</i>	Multitemporale Analyse von Landbedeckungs-/ Landnutzungsänderungen entlang des Ili-Flusslaufs und deren Auswirkungen auf das Ökosystem des Flussdeltas	Jena	2015	<b>M</b>

<b>Name</b>	<b>Subject</b>	<b>University</b>	<b>Year</b>	<b>D/M/B</b>
<i>Broszeit, A.</i>	Assessing long-term inland water quality using satellite imagery: A feasibility and validation study of different lake types	Würzburg	2015	<b>M</b>
<i>Bürgmann, T.</i>	Investigating the Separability of Slums in Mumbai based on RADARSAT Images using Object-based Image Analysis Methods	Karlsruhe (HS)	2015	<b>B</b>
<i>Fissmer, B.</i>	Multitemporal analysis and statistical evaluation of Radar backscatter and bi-static coherence of flood affected areas	Bochum	2015	<b>M</b>
<i>Fricke, J.</i>	Slums in Rio de Janeiro. Spatial and temporal analyses of slums derived from remote sensing data based on visual image interpretation	Augsburg	2015	<b>B</b>
<i>Friedl, P.</i>	Ableitung glaziologischer Parameter aus ERS-SAR-Daten auf der Antarktischen Halbinsel	Erlangen	2015	<b>M</b>
<i>Gebhardt, V.</i>	Untersuchung eines möglichen Einflusses der Albedo auf die Mesopausenregion	München (LMU)	2015	<b>B</b>
<i>Gnoyke, P.</i>	Large Land Acquisitions in East Africa. An examination of spatial dynamics through remote sensing	Bayreuth	2015	<b>M</b>
<i>Graf, W.</i>	Suitability of LiDAR and texture measures of aerial distribution of <i>Glaucidium passerinum</i> (pygmy owl) in Vercors, French Alps	Bayreuth	2015	<b>M</b>
<i>Henkel, F.</i>	Automatische Erstellung von GDI-DE konformen Produktmetadaten im Kontext der Krisenkartierung	Salzburg	2015	<b>M</b>
<i>Hess, A.</i>	Deforestation in Myanmar-what can we say about causes?	Würzburg	2015	<b>M</b>
<i>Hill, S.</i>	Predicting the Forest Development after Natural Disturbance in the Bavarian Forest National Park using Airborne LiDAR	Würzburg	2015	<b>M</b>
<i>Holzapfel, J.</i>	Statistische Ableitung der Chlorophyllkonzentration auf Weizenfeldern des Kalibrations- und Validationstestfeldes DEMMIN mittels Fernerkundungsdaten und Feldmessungen	Würzburg	2015	<b>B</b>
<i>Homolka, A.</i>	Entwicklung einer standardisierten Schnittstelle zur funktionalen Erweiterung von WPS-Diensten (am Beispiel des GZS MODIS Feuerservices)	Jena	2015	<b>M</b>
<i>Jung, S.</i>	Variabilität der solaren Einstrahlung in 1-Minuten aufgelösten Strahlungszeitserien	Augsburg	2015	<b>M</b>
<i>Kasten, A.</i>	Entwicklung eines Verfahrens zur automatisierten Küstenlinienerkennung aus monospektralen Fernerkundungsbildern	Neubrandenburg (HS)	2015	<b>M</b>
<i>Kazlova, A.</i>	Adaptation of an algorithm based on the two dimensional Fast-Fourier-Transform (FFT) for the analysis of OH-airglow intensity measurements	München (LMU)	2015	<b>M</b>

<b>Name</b>	<b>Subject</b>	<b>University</b>	<b>Year</b>	<b>D/M/B</b>
<i>Klink, A.</i>	Kleinmaßstäbige Erfassung von Baumarten mittels multisensoraler Fernerkundungsdaten	Würzburg	2015	<b>B</b>
<i>Loewert, C.</i>	Analyse der Siedlungsentwicklung in der Stadt Dano in Südwest Burkina Faso in den Jahren 2009-2014	Würzburg	2015	<b>B</b>
<i>Malec, S.</i>	Assessment of Soil erosion parameters in Costa Rica using reflectance hyperspectral and simulated EnMAP imagery	Bayreuth	2015	<b>M</b>
<i>März, F.</i>	Untersuchung verschiedener Eisklassifizierungsverfahren mit TerraSAR-X am Beispiel vom Algonquin Nationalpark in Ontario, Kanada	München (LMU)	2015	<b>B</b>
<i>Neiß, M.</i>	Entwicklung eines Verfahrens zur Detektion von Flachdächern am Beispiel der Landeshauptstadt München Development of a detection process for platform roofs on the example of Munich	Augsburg	2015	<b>M</b>
<i>Pausch, M.</i>	Konzeption, Design und prototypische Entwicklung eines kartographischen, multimedialen Kriseninformationssystems	München (HS)	2015	<b>M</b>
<i>Pletziger, F.</i>	Workflow zur Visualisierung von OpenStreetMap-Daten im Kontext Kriseninformationen	Bochum	2015	<b>B</b>
<i>Rossi, M.</i>	Statistische Analyse von Standortfaktoren zur Erklärung phänologischer Zeitpunkte am Beispiel von Grünlandflächen im Alpenvorland	Würzburg	2015	<b>M</b>
<i>Schauß, A.</i>	Joint Use of Remote Sensing and Volunteered Geographic Information for Exposure Estimation	Heidelberg	2015	<b>M</b>
<i>Schlegel, I.</i>	Potentiale von Erdbeobachtungsdaten für die Ableitung von Vulnerabilitätsindikatoren im Delta des Gelben Flusses, China	Hamburg	2015	<b>M</b>
<i>Schneider, N.</i>	Klassifikation von informellen Siedlungen am Beispiel Kapstadt - Eine Analyse auf der Grundlage von hochauflösenden Radar- und Zensusdaten	München (LMU)	2015	<b>M</b>
<i>Sieg, T.</i>	The potential of interferometric and polarimetric SAR data to characterize urban areas at the example of Mumbai and Manila	Bayreuth	2015	<b>M</b>
<i>Singhammer, M.</i>	Veränderungsanalyse der Siedlungsstruktur in der Nildeltaregion auf Grundlage von multitemporalen Satellitenbilddaten	München (HS)	2015	<b>B</b>
<i>Sirueri, F.</i>	Comparing spatial patterns of informal settlements between Nairobi and Dar es Salaam	Twente (NL)	2015	<b>M</b>
<i>Sommer, C.</i>	Feature based tree species classification using airborne hyperspectral and LiDAR data for the Bavarian Forst National Park	München (LMU)	2015	<b>M</b>
<i>Staab, J.</i>	Remote Sensing based evaluation of settlement development of Abuja City	Würzburg	2015	<b>B</b>

<b>Name</b>	<b>Subject</b>	<b>University</b>	<b>Year</b>	<b>D/M/B</b>
Standfuß, I.	Validation of the European Urban Atlas & Automatic Classification of Urban Structures utilizing Cartosat-1 nDSM Data	Bochum	2015	<b>M</b>
Utz, S.	Zeitliche Entwicklung von Siedlungsstrukturen in Nord- und Südkorea	München (HS)	2015	<b>B</b>
Vollmuth, M.	Zusammenhänge der Schneedynamik und des Abflussverhaltens im Einzugsgebiet des Naryn - Statistische Betrachtungen und physiogeographische Erklärungen	Würzburg	2015	<b>M</b>
Wisböck, S.	Explaining variation of home range size of red deer ( <i>Cervus elaphus</i> ) in the Bavarian Forest National Park using Lidar derived metrics on forest structure and fractional cover	Würzburg	2015	<b>B</b>
Zellner, P.	Towards quantifying stress factors in wheat and maize monitoring - a comparison of LAI derived using a mechanistic plant growth model and satellite measurements	Würzburg	2015	<b>M</b>
Zepp, S.	Entwicklung eines multi-skaligen Ansatzes zur Erfassung und Auswertung bergbaubedingter Veränderungen der Landoberfläche am Beispiel eines Altbaugebietes in Südafrika	München (LMU)	2015	<b>M</b>
Baron, D.	Analysis of MODIS time series data for characterization of hydrometeorological factors in relation to landslide activity in Southern Kyrgyzstan	Würzburg	2014	<b>M</b>
Böck, M.	Konzeption und Umsetzung von Webmapping-Applikationen zur Visualisierung krisenrelevanter Informationen	München (HS)	2014	<b>B</b>
Chow, C.	Evaluation of the applicability of a probabilistic terrain descriptor to improve the thematic accuracy of DLR's TerraSAR-X based Flood Service (TFS)	Dresden	2014	<b>M</b>
Dahms, T.	Phänologische Analysen basierend auf fusionierten Zeitserien aus RapidEye und Landsat Daten	Würzburg	2014	<b>M</b>
El Fouly, M.	Entwicklung einer Web Mapping Anwendung für einen fernerkundungsgestützten Feuer- und Wasserservice	München (TUM)	2014	<b>M</b>
Fabritius, H.	Optimierung eines auf Satellitendaten beruhenden Pflanzenwachstumsmodell am Beispiel von Winterweizen in Deutschland	Würzburg	2014	<b>M</b>
Färber, V.	Stadtstruktureller Vergleich von Slums in türkischen Großstädten unter Verwendung von Satellitendaten	Würzburg	2014	<b>B</b>
Flock, H.	„Lokale Energiewende“ - Fernerkundliche Veränderungsanalyse der agrarischen Landschaftsstruktur durch den Bau von Biogasanlagen in Süddeutschland	Würzburg	2014	<b>D</b>

<b>Name</b>	<b>Subject</b>	<b>University</b>	<b>Year</b>	<b>D/M/B</b>
<i>Fürmann, M.</i>	Evaluation von Methoden zur Erkennung von aktiven Feuern mit AVHRR	München (LMU)	2014	<b>B</b>
<i>Gaub, V.</i>	Untersuchung der Lebensräume in 3D: Wie ändert sich das Mikroklima unter verschiedenen Einzelbaumbedingungen im Nationalpark Bayerischer Wald	Würzburg	2014	<b>D</b>
<i>Glas, S.</i>	Analysis of the Relation between Spatial Cloud Patterns in Satellite Images and Variability as seen in High-Resolution Irradiance Time Series by means of their Daily Profile Categorization	München (HS)	2014	<b>B</b>
<i>Hannawald, P.</i>	Aufbau eines Infrarotkamarasystems zur Messung von atmosphärischen Schwerewellen und Infraschall im OH-Nachtlicht	Augsburg	2014	<b>M</b>
<i>Hartmann, M.</i>	Geoportale benutzerfreundlich gestalten: Design- und Usability-Empfehlungen für Geoportale unter Berücksichtigung unterschiedlicher Benutzergruppen	Pfungstadt (HS)	2014	<b>M</b>
<i>Henning, L.</i>	Early Recognition of Changes in the Health Status of Norway Spruce with Hyperspectral Data	Eberswalde	2014	<b>M</b>
<i>Jilge, M.</i>	Seismic Vulnerability Assessment of large Urban Areas using the TanDEM-X Mission and RapidEye Data	München (LMU)	2014	<b>M</b>
<i>Küchelbacher, L.</i>	Die Stratosphärenwärmungen 2012/2013: Einfluss der großräumigen Dynamik auf die Stratosphäre und Mesosphäre	Augsburg	2014	<b>B</b>
<i>Kuner, J.</i>	Abschätzung der kleinräumigen Bevölkerungsverteilung in der Megastadt Mumbai mit Methoden der Fernerkundung	Augsburg	2014	<b>B</b>
<i>Kunze, M.</i>	Entwicklung einer Webapplikation in Form eines Dashboards für das Deutsche Satellitendatenarchiv	Kempten (HS)	2014	<b>B</b>
<i>Landkammer, S.</i>	Statistische Ableitung von fPAR für Baumwolle in Zentralasien aus RapidEye-Daten	Würzburg	2014	<b>B</b>
<i>Meister, L.-M.</i>	Verwendung von Daten aus Social Media im Zusammenhang mit den Services des ZKI	Karlsruhe	2014	<b>B</b>
<i>Naghadeh, N. M.</i>	Large-scale characterization of human settlement patterns using binary settlement masks from globally available TerraSAR-X data.	Stuttgart	2014	<b>M</b>
<i>Offenwanger, T.</i>	Intercomparison/Validation mit Airglow-Temperaturdaten: Einflüsse des atmosphärischen Rauschens und dynamischer Prozesse	Augsburg	2014	<b>B</b>
<i>Ortmann, A.</i>	Estimating land cover changes and current carbon stock in Tanzania in the context of REDD+	Bayreuth	2014	<b>M</b>
<i>Pausch, M.</i>	Entwicklung einer Visualisierungstechnik für Hochgebirgsregionen auf Basis von WorldView-2- und TanDEM-X-Daten	München (HS)	2014	<b>B</b>

<b>Name</b>	<b>Subject</b>	<b>University</b>	<b>Year</b>	<b>D/M/B</b>
Poncet-Montages, A.	Classification of urban structural types (UST) using multiple data sources and spatial priors	Lausanne	2014	<b>M</b>
<i>Reger, A.</i>	Weizenmärkte in Zentralasien und im Kaukasus - Warenkette, Handel und Perspektiven	Würzburg	2014	<b>B</b>
Richter, D	Raumzeitliche Erfassung des Siedlungswachstums mittels Auswertung von Zeitserien multispektraler Erdbeobachtungsdaten	München (HS)	2014	<b>D</b>
Rieke, Ch.	Analyse und statistische Auswertung von multitemporalen Radardaten für die verbesserte Hochwasserdetektion	Jena	2014	<b>B</b>
Roch, M.	Revealing forest cover loss in Paraguay's Atlantic Forest region - A remote sensing and GIS based forest monitoring	Salzburg	2014	<b>M</b>
<i>Rudloff, M.</i>	Siedlungsflächenentwicklung im ländlichen Raum Usbekistans am Beispiel Khorezm	Würzburg	2014	<b>M</b>
<i>Rudolph, A.</i>	Modeling species distribution in Kenya influenced by environmental parameters using Random Forest algorithm	Würzburg	2014	<b>B</b>
Sander, D.	Aufbau eines automatischen Messsystems zur Erfassung und Auswertung des Wolkenbedeckungsgrades in der Antarktis	München (TUM)	2014	<b>B</b>
Schleicher, R.	Konzeption und Umsetzung einer Webmapping-Applikation zur Visualisierung raum-zeitlicher Veränderungen ausgewählter Ballungsräume	München (HS)	2014	<b>M</b>
<i>Serfas, K.</i>	Räumlicher Zusammenhang zwischen Schistosomiasisprävalenz und möglichen Krankheitsübertragungsstätten am Beispiel der Elfenbeinküste	Würzburg	2014	<b>B</b>
<i>Sokol, V.</i>	Interaction between white stork migration patterns and urban environment in Germany	Bayreuth	2014	<b>M</b>
Starmanns, S.	Spatial disaggregation of population data onto Urban Footprint data	Innsbruck	2014	<b>M</b>
Stolle, A.	Quantitativer Vergleich von Bildsegmentierungsverfahren als Grundlage für die semiautomatische Extrahierung von kleinräumigen Objekten im Kontext von Großveranstaltungen	Potsdam	2014	<b>M</b>
Tsyganskaya V	Ableitung und Analyse von großflächigen Informationen zur urbanen Struktur mit Methoden der Fernerkundung	München (LMU)	2014	<b>M</b>
Voinov, S.	Modeling population distribution based on EO-derived data on the built environment	Stuttgart (HfT)	2014	<b>M</b>
<i>Weigand, M.</i>	Discrimination of formal and informal settlements based on multipolarized TSX imagery in the Megacity Mumbai, India	Würzburg	2014	<b>B</b>



<b>Name</b>	<b>Subject</b>	<b>University</b>	<b>Year</b>	<b>D/M/B</b>
Wildegger, M.	Multi-Project Management in Research and Development of International Corporations	München (FOM)	2014	<b>B</b>
Ziewers, K.	Declining migratory avian species in the UK: a consequence of habitat quality alteration in western Africa? A case study using remote sensing data	Bayreuth	2014	<b>M</b>
Alavi, S.	Analyzing urban spatial patterns in conjunction with urban heat patterns	Bayreuth	2013	<b>M</b>
Aravena, P.	Estimation of seismic building structural types using remote sensing and machine learning	München (LMU)	2013	<b>D</b>
Bell, A.	Application of behavioral change point analysis and species distribution models in conservation	Bayreuth	2013	<b>M</b>
Bettinger, M.	Verbesserung eines automatischen MODIS-Hochwasserprozessors durch Methoden zur Trennung von Wasserflächen und Wolkenschatten	München (HS)	2013	<b>B</b>
Binnig, J.	Multitemporale Auswertung hyperspektraler Bilddaten zur Veränderungsanalyse ausgewählter Bodenparameter am Beispiel eines Braunkohletagebauebietes	Würzburg	2013	<b>B</b>
Bolkart, M.	Lidar-Daten und Waldstrukturmaße: eine sinnvolle Kombination?	Würzburg	2013	<b>B</b>
Braun, D.	Estimating the current and future human impact in Tanzania for wildlife corridor management	Bayreuth	2013	<b>M</b>
Broszeit, A.	Kartierung bergbaubedingter Versauerungsprozesse mit Hilfe von WorldView-2 Daten - Untersuchung am Beispiel einer Altbergbauregion in der Provinz Mpumalanga, Südafrika	München (LMU)	2013	<b>B</b>
Camerer, A.	Fernerkundungsbasierte Bestimmung der Landnutzung zur Verbesserung der Wasserproduktivität in Punjab, Pakistan	Würzburg	2013	<b>D</b>
Cao, W.	Change detection using TerraSAR-X data	Stuttgart	2013	<b>D</b>
Dambros, C.	Analyzing forest fragmentation characteristics along continuous vegetation gradients	Bayreuth	2013	<b>M</b>
Fliehmann, E.	Entwicklung der kasachischen Bewässerungsregion Kyzlorda – fernerkundliche Analyse der Degradierung landwirtschaftlicher Nutzflächen mittels Landsat-Zeitreihen	Würzburg	2013	<b>D</b>
Gnoyke, P.	Analyzing landgrabing in Africa using Remote Sensing Data	Bayreuth	2013	<b>M</b>
Gouda, N.	Auswirkungen des Klimawandels auf die Wasserversorgung im Mittelmeerraum - Risikoabschätzung, Vulnerabilitäten und Anpassungsstrategien	München (TU)	2013	<b>D</b>

<b>Name</b>	<b>Subject</b>	<b>University</b>	<b>Year</b>	<b>D/M/B</b>
Hanrieder, B.	Hochwasser in Thailand - Erstellung und Validierung von Flutmasken aus HR-/ VHR- Daten	München (TU)	2013	<b>M</b>
Harsch, C.	Modellierung der Spurengasemissionen von Punktquellen am Beispiel einer Mineralölraffinerie	Augsburg	2013	<b>D</b>
Hartmann, A.	Subpixelbasierte Landnutzungs- und Landbedeckungsklassifikation in Westafrika mit MODIS-Daten	München (LMU)	2013	<b>M</b>
Hoffmann, A.	Risiko- und Unsicherheitsanalyse hydrologischer Gefahren im Mittelmeerraum	München (LMU)	2013	<b>D</b>
Huster, L.	Analyse der regionalen und globalen Belastung mit troposphärischem Stickstoffdioxid anhand von Satellitendaten des GOME-2 Instruments	Augsburg	2013	<b>B</b>
Hütten, L.	GIS- und fernerkundungsbasierter Aufbau sowie Konzeption einer Geodatenbank als Grundlage für die Risikobewertung des Auftretens von Buruli Ulcer in Zentralkamerun	Osnabrück	2013	<b>M</b>
<i>Kachelriess, D.</i>	Analysis of the effectivity of Marine Protected Areas – a case study using Remote Sensing for the Cargos Archipelago	Bayreuth	2013	<b>M</b>
Konetschny, C.	Beobachtung der Landoberflächenveränderung durch das Auftauen des Permafrostbodens auf Herschel Island mit Hilfe von verschiedenen Radarzeitreihen des TerraSAR-X	München (LMU)	2013	<b>B</b>
Lesko, L.	Vergleich der räumlichen Entwicklung von Siedlungsmustern in ost- und westeuropäischen Städten basierend auf multitemporalen Fernerkundungsdaten	Eberswalde (FH)	2013	<b>D</b>
Mancera Guevara, D.	Generation of a CALIPSO climatology of near-surface boundary layer aerosols for solar energy application	Oldenburg	2013	<b>M</b>
<i>Petersen, M.</i>	Einfluss von Umweltparametern auf Käferpopulationen im Nationalpark Bayerischer Wald – Ein Ansatz mit LiDAR	Würzburg	2013	<b>B</b>
<i>Plum, C.</i>	Global Survey of Earth Observation for Biodiversity and Conservation	Bayreuth	2013	<b>M</b>
Reichmuth, A.	Detection of Forest Parameters using Imaging Spectroscopy	Dresden (HS)	2013	<b>M</b>
Schack, J.	Ableitung von Signalen laufender planetarer Wellen aus dem Dynamischen Aktivitätsindex (DAI) und Vergleich der mesosphärischen Aktivität planetarer Wellen	München (HS)	2013	<b>B</b>
Schulz, J.	Untersuchung zur Vergleichbarkeit von Luftmessstationen und Modellprognosen am Beispiel der Schwarzwaldregion	Augsburg	2013	<b>B</b>

<b>Name</b>	<b>Subject</b>	<b>University</b>	<b>Year</b>	<b>D/M/B</b>
<i>Schumann, B.</i>	Raum-zeitliche Charakterisierung von Borkenkäferbefallen mit Hilfe von Zeitreihen mittel- und hochaufgelöster Fernerkundungsdaten	Würzburg	2013	<b>B</b>
<i>Von Uslar, J.</i>	Statistische Ableitung des LAI für Wälder im bayrischen Voralpenraum basierend auf RapidEye-Daten und Feldmessungen	Würzburg	2013	<b>B</b>
<i>Warth, G.</i>	Automatische Hochwassererkennung anhand der Verwendung bistatischer Kohärenzdaten der TanDEM-X Mission	Tübingen	2013	<b>MA</b>
<i>Wegner, M.</i>	Evaluierung des Deutschen Satellitendatenarchivs auf Nachhaltigkeit und Effizienz	München (HS)	2013	<b>M</b>
<i>Wohlfart, C.</i>	Mapping tropical dry forest in South East Asia using a continuous cover approach	Bayreuth	2013	<b>M</b>
<i>Zellner, P.</i>	Optimierung regionaldifferenzierter Landnutzungsparameter für das hydrologische Modell ArcEGMO am Beispiel zweier Einzugsgebiete in Brandenburg	Würzburg	2013	<b>B</b>
<i>Zepp, S.</i>	Untersuchung der Variation der Mesopausentemperatur im Hinblick auf durch Erdbeben erzeugte Infraschallwellen	München (LMU)	2013	<b>B</b>

HS: Hochschule  
HFT: Hochschule für Technik  
LMU: Ludwig-Maximilians-Universität München  
TU: Technische Universität  
FOM: Hochschule für Ökonomie und Management

## Scientific Exchange

### Guest Scientists

Visiting scientists hosted by DFD since 2013 ( $\geq 4$  weeks stay) or by Department of Remote Sensing at University of Würzburg (in *italic typeface*)

Name	Period		Home Institution	Funding
<i>Ayanu, Y.</i>	Aug	2013	Universität Bayreuth	Universität Bayreuth
<i>Baatuuwie, B.</i>	Jul	2014	Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana	WASCAL
Banks, S.	Oct – Mar	2012 2013	Carleton University, Ottawa, Canada	DLR
<i>Batsaikhan, A.</i>	Jan – Dec	2016 2018	Universität Würzburg	MICMoR-Stipendium
<i>Benewindé Zoungrana, J-B.</i>	Mar – May	2015	KNUST, Kumasi (Ghana)	WASCAL
<i>Benewindé Zoungrana, J-B.</i>	Sep – Dec	2016	KNUST, Kumasi (Ghana)	Uni-Wü Stipendium
Cian F.	Jan – Apr	2015	University Ca' Foscari Venice Department of Economics Italy	University Ca' Foscari Venice
Cipriano, A.	May – Jun	2013	Universidad Católica de Chile, Santiago, Chile	DAAD
Confuerto, P.	Oct – May	2014 2015	University Naples, Naples, Italy	University Neapel
Da Cunda Fernandes L.	Jul – Aug	2015	University of Alberta, Edmonton, Canada	University Alberta
<i>Danumah, J. H.</i>	Dec – Jan Apr – May	2014 2015 2015	KNUST, Kumasi (Ghana)	WASCAL
<i>Degen, A.</i>	Oct – May	2015 2016	Universität Bochum	WASCAL
<i>Degtyareva, O.</i>	Nov – Dec Jun – Jul	2016 2017	Abu Nasr al-Farabi   Al-Farabi Kazakh National University, Kazakhstan	LaVaCCA, VW-Stiftung

Name	Period	Home Institution	Funding
Di, X.	Sep 2016 – May 2017	Shanghai Normal University, China	Shanghai Normal University
Du, X.	Sep 2016 – Okt 2018	Institute of Remote Sensing and Digital Earth, Beijing, China	DAAD-CSC
Dunker, T.	Mar – Apr 2015	University of Tromsø, Norway	Research Council of Norway
Ferraz, F.	Sep – Oct 2013 Mar – Apr 2014	Fado Consulting, South Africa	DAAD
<i>Forkuor, G.</i>	Sep 2011 – Jun 2014	Universität Würzburg	Stipendium im WASCAL Projekt
Georg, I.	Jan 2016 – Dec 2017	University Salzburg	None
Gudadze, N.	Feb – May 2015	E. Kharadze Abastumani Astrophysical Observatory at Ilia State University, Tbilisi, Georgia	Lelp Shota Rustaveli National Science Foundation, Tbilisi, Georgia
Herbst, T	Aug 2017 – Dec 2018	Universität Heidelberg	Self financing
Hideomi, G.	Sep 2012 – Mar 2013	Tohoku University, Sendai, Japan	Japan Society for the Promotion of Science (JSPS)
Hu, Z.	Oct 2016 – Octt 2019	keine (vorher Uni Trier)	CSC
Irwin, K.	Oct – Nov 2016	Queen's University, Kingston, Canada	Queen's University
<i>Jafarijzani, H.</i>	Mar – Sep 2015	Universität Stuttgart	Self-financing
<i>Kenjabaev, S</i>	Nov – Dec 2015 Sep – Oct 2017	SIC ICWC Tashkent, Uzbekistan	CAWa Auswärtiges Amt
<i>Khare, S.</i>	Sep – Nov 2015	Indian Insitute of Technology (IIT) Roorkee, Indien	Scholarship from India
<i>Khare, S.</i>	Jun – Jul 2016	Indian Insitute of Technology (IIT) Roorkee, Indien	DAAD
<i>Kitapbayev, A.</i>	Jul 2017	German-Kazakh-University, Almaty, Kazakhstan	CAWa, Auswärtiges Amt
Kleissl J.	Sep – Dec 2015	University of California, San Diego, USA	University San Diego

Name	Period	Home Institution	Funding
Kumar, P. A.	Jul – Sep 2016 Mar 2017 – May 2018	Indian Institute of Space Science and Technology, India	BMBF Green Talent Humboldt Climate Protection Fellowships
Li, Y.	Nov 2016 – Oct 2019	China Scholarship Council (CSC)	CSC
Liuzzi, M.	Sep 2016 – Mar 2018	University of Basilicata, Italy	University of Basilicata, Italy
Mahmood, T.	Jul 2017 – Jun 2020	Universität Würzburg	Higher Education Commission (HEC) Pakistan über DAAD
Mahmoud, M. I.	Dec 2014 – Jun 2015	KNUST, Kumasi (Ghana)	WASCAL
Naghavi, H.	Aug – Feb 2013	Dept. of Forestry, Sari Agricultural and Natural Resources University, Mazandaran, Iran	University Mazandaran, Iran
Salehi, S.	Oct – Dec 2015	Geological Survey of Denmark and Greenland (GEUS) / Copenhagen University	GEUS
Selvakumaran, S.	Jul – Sep 2017	Cambridge University	Cambridge University
Shankar, S.	May – Jun 2015	Anna University Chennai	DAAD
Shi, L.	Sep 2016 – Sep 2017	Institute of Remote Sensing and Digital Earth, Beijing, China	National Science Foundation of China
Shi, Y.	Oct 2017 – Mar 2018	University Twente, The Netherlands	China Scholarship Council
Simon, S.	Jul – Aug 2017	Federal University of Technology, Minna, Nigeria	WASCAL
Song, Z.	Nov 2013 – Nov 2014	China University of Mining and Technology, Beijing, China	National Science Foundation of China
Stettner, S.	Feb – Mar 2015	Alfred Wegener Institute	AWI
Strano, E.	Jun – Jul 2013	Geographic Information Systems Laboratory, Lausanne, Switzerland	Geographic Information Systems Laboratory, Lausanne, Switzerland

<b>Name</b>	<b>Period</b>	<b>Home Institution</b>	<b>Funding</b>
Strano E.	Jun 2016 – Dec 2017	Massachusetts Institute of Technology (MIT), Boston, USA	Swiss National Science Foundation
<i>Sultanov, M.</i>	Oct 2015 – Dec 2016	Khorezm Rural Advisory Support Service (KRASS), Urgench, Uzbekistan	LaVaCCA, VW-Stiftung
Sun, Z.	Jun 2013 – Dec 2013	Institute of Remote Sensing and Digital Earth, Beijing, China	DAAD
<i>Toshpulatov, R.</i>	Apr 2016 – May 2016	Scientific-Information Center of the Interstate Coordination Water Commission of the Central Asia (SIC ICWC), Tashkent, Uzbekistan	CAWa, Auswärtiges Amt
Tsyganskaya, V.	Dec 2014 – Nov 2017	LMU München	LMU München
Yang, B.	Jun 2013 – Sep 2013	Hunan Normal University, Hunan, China	DAAD
<i>Xu, D.</i>	Okt 2016 – Sep 2017	Shanghai Normal University	SNU Stipendium
<i>Zaitov, S.</i>	Apr 2016 – Jun 2016	Scientific-Information Center of the Interstate Coordination Water Commission of the Central Asia (SIC ICWC), Tashkent, Uzbekistan	CAWa, Auswärtiges Amt

**Professional Leaves**

Periods of stay by DFD staff at external institutions since 2013 (≥ 4 weeks)

Staff Member	Institution	Period	Funding
Conrad, C.	Universität Halle, Institut für Geowissenschaften und Geologie, Fachgebiet Geoökologie und physische Geographie	Oct 2017 – Sept 2018	Universität Halle
Geiß, C.	University of Cambridge	Sep 2017 – Feb 2018	DLR/HGF
Killius, N.	Mines Paristech, Department Observations, Impacts, Énergie (OIE), Sophia-Antipolis, France	Oct – Dec 2015	ESA
Molch, K.	European Space Agency, European Space Research Institute (ESA-ESRIN), Italy	Sep 2014 – Jan 2015	DLR, ESA
Riedlinger, T.	European Commission GMES Office, Seconded National Expert, Belgium	Jun 2011 – Aug 2013	DLR
Roth, A.	Environment Canada, Canada	Jul – Oct 2013	DLR
Schöckel, T.	Indonesian Agency for Meteorology, Climatology and Geophysics (BMKG) Jakarta, Indonesia	Oct 2010 – Mar 2014	BMZ-CIM



## Conferences

Major conferences, colloquia and workshops (co-)organized by DFD and Department of Remote Sensing at University of Würzburg since 2013 (> 40 participants)

Date	Event	Location	Participants
13 – 15 Mar 2018	The Virtual Alpine Observatory Symposium (VAO)	Grenoble	ca. 100
12 – 13 Oct 2017	AEROSAT workshop 2017	Helsinki	ca. 80
21 – 23 Jun 2017	8. Oracle HSM/SAM-QFS Nutzerkonferenz 2017	Rostock	Ca. 60
15 – 18 May 2017	7th Network for the Detection of Mesospheric Change (NDMC) Meeting	Grainau	ca. 40
11 – 12 May 2017	Asian Space Technology Summit 2017	Kuala Lumpur, Malaysia	ca. 120
19 – 20 April 2017	C-SIGMA Workshop VII	Lissabon	ca. 60
28 – 30 Mar 2017	The Virtual Alpine Observatory Symposium (VAO)	Bozen	ca. 100
20 – 24 Mar 2017	ZKI Presentation / Exhibitor CeBIT exhibition (Messe)	Hannover	
14 Mar 2017	Nationales Forum für Fernerkundung und Copernicus / Fachworkshop A.2 – Möglichkeiten und Grenzen von marinen Copernicus-Daten für Wirtschaft, Wissenschaft und Behörden	Berlin	ca. 60
17 – 20 Oct 2016	TerraSAR-X/TanDEM-X Science Team Meeting	Oberpfaffenhofen	ca. 200
22 – 24 Sep 2016	AEROSAT workshop 2016	Beijing	ca. 100
15 – 17 Jun 2016	Storagetechnology 2016	Rostock	ca. 90
30 May – 3 Jun 2016	1. Nationaler Binnengewässerworkshop	Neustrelitz	ca. 50
14 – 18 Mar 2016	ZKI Presentation / Exhibitor CeBIT exhibition (Messe)		
6 Nov 2015	7th MICMoR Research Forum	Wuerzburg	ca. 50
4 – 5 Nov 2015	National Copernicus Workshop	Berlin	ca. 300
28 – 30 Oct 2015	The Virtual Alpine Observatory Symposium (VAO)	Salzburg	ca. 100
19 – 23 Oct 2015	International Ice Charting Working Group (IICWG)	Rostock/ Neustrelitz	ca. 75
8 – 9 Oct 2015	3rd workshop of the International Satellite Aerosol Science Network AEROSAT	Frascati, Italy	ca. 75

Date	Event	Location	Participants
17 – 19 Jun 2015	7. SAM-QFS Nutzerkonferenz 2015	Göhren-Lebbin	ca. 100
11 – 15 May 2015	36 <sup>th</sup> International Symposium on Remote Sensing of Environment (ISRSE)	Berlin	ca. 750
11 – 13 May 2015	4. Nationaler Weltraumwetterworkshop	Neustrelitz,	ca. 50
16 – 20 Mar 2015	ZKI Presentation / Exhibitor CeBIT exhibition (Messe)	Hannover	
16 – 19 Mar 2015	RSCY2015 – Third International Conference on Remote Sensing and Geo-Information of the Environment	Paphos, Zypern	ca. 100
18 Nov 2014	Maritime Sicherheit in MV, Workshop 3 – Bedarfe für die Verbundforschung	Neustrelitz	ca. 40
11 – 13 Jun 2014	Storagetechnology 2014	Göhren-Lebbin	ca. 75
22 – 23 May 2014	Remote Sensing for Biodiversity and Conservation	London	ca. 200
19 – 22 May 2014	6th. Network for the Detection of Mesospheric Change (NDMC) Meeting	Grainau	ca. 40
10 Apr 2014	Nationales Forum für Fernerkundung und Copernicus	Neustrelitz	ca. 40
05 – 08 Sep 2013	Statistics in Ecology and Environment – Session der GfÖ-Tagung	Hildesheim	ca.50
10 – 12 Jun 2013	5th TerraSAR-X Science Team Meeting	Oberpfaffenhofen (DLR)	ca. 200
05 – 07 Jun 2013	6th SAM-FS/QFS Nutzerkonferenz	Klink	ca. 50
04 – 06 Jun 2013	3. Fachtagung Energiemeteorologie	Grainau	ca. 40
20 – 21 Mar 2013	5th RESA – Workshop „RESA – Data for Science – From the Basics to the Service“	Neustrelitz (DLR)	ca. 75
05 – 07 Mar 2013	Mekong Environmental Symposium 2013	Ho Chi Minh, Vietnam	ca. 400
09 – 11 Dec 2013	Geological Remote Sensing Group of the Geological Society (UK) – Annual General Meeting	Berlin	ca. 120

**Key Note Speeches at Major Conferences**

Key note speeches at major conferences conducted by DFD staff since 2013 (speeches of Department of Remote Sensing staff from University of Würzburg in *italic typeface*)

<b>Lecturer</b>	<b>Title</b>	<b>Event</b>	<b>Location</b>	<b>Date</b>
Esch, T.	A New Platform for Global Urban Monitoring and Analysis - The Urban TEP	ESA EO Open Science Conference	Frascati, Italy	Sep 2017
Geiß, C.	Naturgefahrenrisiko im Zeitalter globaler Urbanisierung	Symposium „Trends und Herausforderungen satellitengestützter Erdbeobachtung für Wirtschaft und Gesellschaft	Graz, Österreich	May 2017
Erbertseder, T.	Aktivitäten und Perspektiven im Bereich Luftreinhaltung	Nationales Forum für Fernerkundung und Copernicus	Berlin	Sep 2017
Erbertseder, T.	Air Pollution in Megacities	GEO Week 2017	Washington, D.C., USA	Oct 2017
Schreier, G.	Global Trends changing Earth Observation	World View Global Alliance User Conference	München	Oct 2017
Taubenböck, H.	Die globale Transformation der Städte – Was erwartet uns?	Verband Beratender Ingenieure, VBI Landesverband Saarland. Vortrag und Podiumsdiskussion mit Umweltminister und Leiter der Obersten Landesbaubehörde		Nov 2017
Taubenböck, H.	Urbanization – A global change issue	Kick-off So2Sat project	Oberpfaffenhofen	Sep 2017
Taubenböck, H.	Die globale Transformation der Städte – Was erwartet uns?	Arbeitstagung der Prüflingenieure	Baden-Baden	Jun 2017
Taubenböck, H.	Big Data – Key for future Geoinformation services	2nd GeoInformation Symposium	Berlin	Jun 2017
Taubenböck, H.	Urbane Armut – Globale Wissenslücken durch Big Earth Data schließen	DLR Forschungstag	Köln	Apr 2017
Bittner, M.	Recent progress in the remote sensing of atmospheric waves and coupling processes	COSPAR	Istanbul, Turkey	Aug 2016

Lecturer	Title	Event	Location	Date
Dech, S.	Entwicklung der Erdbeobachtung aus Sicht der Wissenschaft	5. INNOspace Workshop	Augsburg	Oct 2016
Klein, D.	Challenges of Earth Observation for Global Change Monitoring	EARSEL Symposium	Bonn	Jun 2016
Heiden, U.	Using spectral libraries for imaging spectroscopy analyses – the urban example	ISSI WORKSHOP	Bern, Switzerland	Nov 2016
<i>Latifi, H.</i>	Remote sensing - assisted mapping of bark beetle-induced tree mortality	ForBioSens 2016	Bialowieza, Poland	Nov 2016
Rogge, D.	From proximal to satellite geological spectral sensing, a perspective for resource exploration	ISSI WORKSHOP	Bern, Switzerland	Nov 2016
Schwarz, E.	Near Real Time Applications for Maritime Situational Awareness	Workshop on Solutions for Maritime Situational Awareness	Helsinki, Finland	Feb 2016
Spengler, D.	Durable Environmental Multidisciplinary Monitoring Information Network DEMMIN - Agricultural Research at the TERENO German Northeastern Lowlands Observatory.	BELAIR Workshop 2016	Bruges, Belgium	Nov 2016
Taubenböck, H.	Die globale Transformation der Städte – Monitoring mit Methoden der Fernerkundung	Bundeskongress des Verbands beratender Ingenieure	Leipzig	Nov 2016
Taubenböck, H.	Cities from Space: Monitoring the Global Proces of Urbanization	SPADE conference	Berlin	Apr 2016
Wurm, M.	Cities from Space – Analysis and monitoring of physical urbanization processes	Symposium on Peaceful Use of Space Technologies	Muskat, Oman	Oct 2016
Dech, S.	Was leistet die Raumfahrt für die Energiewende? Einige Möglichkeiten der Erdbeobachtung	Acatech	Bonn-Oberkassel	Feb 2015
Dech, S.	Anthropozän – Fernerkundung eines Planeten im Wandel	8. Forschungstag Raumfahrt	Köln	Mar 2015
Dech, S.	Möglichkeiten satellitengestützter Erdbeobachtung	Arbeitsgruppe Außenpolitik der SPD-Bundestagsfraktion	Berlin	May 2015
Dech, S.	Globale Herausforderungen	Parlamentarische Gesellschaft	Berlin	Dec 2015

Lecturer	Title	Event	Location	Date
Erbertseder, T.	Nutzung von Satellitendaten für die Luftqualität	Anwenderforum Umwelt und Gesundheit	Augsburg	Jan 2015
Erbertseder, T.	Nutzungspotentiale der Satellitenfernerkundung für umweltmeteorologische Anwendungen	Deutsche Fachtagung für Umweltmeteorologie	Offenbach	Mar 2015
Erbertseder, T.	Welchen Beitrag können Satelliten zur Beobachtung der Luftqualität leisten	Nationales Forum für Fernerkundung und Copernicus Berlin	Berlin	Apr 2015
Erbertseder, T.	Copernicus - Aktuelle Downstream Entwicklungen im Bereich Luftqualität	Nationales Forum für Fernerkundung und Copernicus Berlin	Berlin	Apr 2015
Kuenzer, C.	The Potential of Time Series Based Earth Observation for the Monitoring of Large River Deltas	American Geophysical Union, AGU Fall Meeting	San Francisco, USA	Dec 2015
Popp, T.	ESA's Aerosol_cci project	AEROCOM annual assembly	Frascati, Italy	Oct 2015
Schreier, G.	Copernicus – The European Earth Observation System	3 <sup>rd</sup> International Conference on Remote Sensing and Geoinformation of Environment (RSCy2015)	Paphos, Cyprus	Mar 2015
Schreier, G.	Europäisches Umweltbeobachtungsprogramm "Copernicus"	15 Raumfahrttage der Deutschen Raumfahrtausstellung	Morgenröthe Rautenkranz	Jun 2015
Schreier, G.	Das Copernicus-Programm, politische Hintergründe, vorgesehene Dienste	Jahrestagung der Deutschen Geodätischen Kommission (DGK)	München	Nov 2015
Strunz, G.	The Sendai Framework for Disaster Risk Reduction – Opportunities for Earth Observation	United Nations / Germany International Conference on Earth Observation	Bonn	May 2015
Strunz, G.	Fernerkundung für das Krisenmanagement und die zivile Sicherheit – Aktuelle Forschungs- und Entwicklungsarbeiten	Nationales Forum für Fernerkundung und Copernicus 2015	Berlin	Nov. 2015
Dech, S.	Fernerkundung für eine Welt im Wandel	Nationales Forum für Fernerkundung und Copernicus	Berlin	Apr 2014
Erbertseder, T.	Developments in Regional and Local Air Quality Monitoring and Forecasting	International Air Quality Conference	Garmisch-Partenkirchen	Mar 2014

<b>Lecturer</b>	<b>Title</b>	<b>Event</b>	<b>Location</b>	<b>Date</b>
Erbertseder, T.	The Role of Earth Observation in Urban Air Quality Monitoring and Forecasting	Mediterranean City 2014	Athens, Greece	Jun 2014
Esch, T.	Observing the Built Environment from Space - Global Monitoring of Human Settlement Patterns and Characteristics	The Mediterranean City Conference	Athens, Greece	Jun 2014
Strunz, G.	Beiträge der Erdbeobachtung zum internationalen Katastrophenmanagement	Deutsche Gesellschaft für Auswärtige Politik	Berlin	Jan 2014
Taubenböck, H.	'Quo Vadis' urban remote sensing?	Joint Urban Remote Sensing Conference	Sao Paulo, Brazil	Apr 2013

## Patents

### Filed Patent Applications

Name	Patent	Patent No	Year	Countries
Borg, E., Paproth, C., Börner, A., Bachmann, M., Dietrich, P., Köpke, H.	Kalibrierung eines Fernerkundungssensors zur Fernerkundung einer Planetenoberfläche (Calibration of remote sensing sensor for sensing of planetary surfaces)	DE 10 2013 217 535 A1	2015	DE
Vajen, H.-H.	Erstellen von Karten mit Küstenlinien	DE 10 2014 205 083	2015	DE
Vajen, H.-H.	Device and method for the processing of remote sensing data	US 00 0009 224 192	2015	US

DE = Germany, AT = Austria, AU = Australia, BR = Brazil, CA = Canada, CH = Switzerland,  
ES = Spain, EP = European Patent Organization, FR = France, GB = United Kingdom,  
IT = Italy, NL = The Netherlands, RU = Russia SE = Sweden, US = USA

### Granted Patents

Name	Patent	Patent No.	Year	Countries
Günther, A.	Verfahren und Vorrichtung zur Kompression von Bilddaten	DE 10 2012 218854	2017	DE
Klähn, D., Stankov, S., Borg, E., Jakowski, N.	Ermittlung eines Atmosphärenzustandes	1643263	2016	DE, BE, NL, FR
Post, J. ZoBeder, K. Wegscheider, S. Mück, M. Raape, U. Kiefl, R.	System und Verfahren zum Segmentieren einer Zielregion in räumliche Warneinheiten eines sensorgestützten Frühwarnsystems	DE 10 2009 056777	2014	DE
Raape, U. Hunold, M. Tessmann, S. Friedemann, M.	Verfahren und Vorrichtung zur Visualisierung von räumlich verteilten Informationen in einem Frühwarnsystem	DE 10 2010 011186	2014	DE

For country abbreviations see footnote to previous table of Filed Patent Applications

## Awards

Awards granted to DFD and Department of Remote Sensing at University of Würzburg staff (in *italic typeface*) since 2013

Year	Award	Laureate	Subject
2017	<i>JSPRS Fall Conference Award</i>	<i>Batsaikhan, A.</i>	"Analyzing the impact of snowmelt timing on grassland green-up dates in the European Alps using webcams"
2017	Candidate Researcher Preis des PRONII Programms	Da Ponte, E.	
2017	William T. Pecora Team Award	Charter "Space and Major Disasters"	
2017	DLR Award	Engelbrecht, S.	Integriertes Managementsystem
2017	gregor international calendar award 2017, 3. Preis	Sparwasser, N.	DLR-Kalender "Anthropozän"
2016	Otto-Lilienthal-Forschungssemester 2016	Taubenböck, H.	"Fernerkundung zur interdisziplinären Analyse globaler Urbanisierung"
2015	Helmut-Rott-Preis 2015	Dietz, A.	"Central Asian Snow Cover Characteristics between 1986 and 2012 derived from Time Series of Medium Resolution Remote Sensing Data"
2015	International Green Roof Leadership Award – Green Roof Pioneers	Esch, T. Zeidler, J.	"Remote Sensing-based Inventory of Green Roofs and Assessment of Green Roof Potential"
2015	Best Paper Award ICCSA	Fichtelmann, B. Borg, E.	"A new approach of geo-rectification for time series satellite data based on a graph-network"
2015	Helmholtz Postdoktoranden Programm	Geiß, C.	"Earthquake Damage Estimation"
2015	3. Platz, AGEO-Award (Österreichischer Dachverband für Geographische Informationen)	Jilge, M.	"Seismic Vulnerability Assessment of large Urban Areas using the TanDEM-X Mission and RapidEye Data"
2015	Remote Sensing Best Review Paper Award 2015	Kuenzer, C. Blümel, A. Gebhardt, S. Vo Quoc, T. Dech, S.	"Remote Sensing of Mangrove Ecosystems: A Review"
2015	TIEMS 2015 Best Practitioner Paper Award	Raape, U.	"Integrated Open Service Platform for Enhanced Risk and Emergency Management: the PHAROS Solution"



Year	Award	Laureate	Subject
2014	Forschungspreis der Geographischen Gesellschaft Würzburg	<i>Löw, F.</i>	Beste Dissertation am Institut für Geographie und Geologie der Universität Würzburg
2014	Sustainability Science Best Paper Award	Kuenzer, C. Campbell, I. Roch, M. Leinenkugel, P. Vo Quoc, T. Dech, S.	"Understanding the impact of hydropower developments in the context of upstream–downstream relations in the Mekong river basin"
2014	NDMC Young Scientist Award	Schmidt, C.	"Abschätzung der vertikalen Wellenlänge von atmosphärischen Schwerewellen aus Messungen bodengebundener GRIPS-Infrarotspektrometer"
2014	NDMC Young Scientist Award	Wüst, S.	"Abschätzung der potentiellen Energiedichte von atmosphärischen Schwerewellen aus Messungen des atmosphärischen Luftleuchtens (Airglow) mit dem bodengebundenen Infrarotspektrometer GRIPS"
2013	2. Platz "Best Student Paper Award", 7th International Workshop on the Analysis of Multi-temporal Remote Sensing Images (25 – 27 June), Banff, Canada	<i>Asam, S.</i>	"Comparison of Leaf Area Indices for Alpine grasslands based on multi-scale satellite data time series and radiation transfer modeling"
2013	"Wiesnet Medal", 70th Eastern Snow Conference (4 – 6 June 2013), Huntsville, Canada	Dietz, A.	"Changes of Snow Cover Characteristics in Central Asia between 1986 and 2012 derived from AVHRR and MODIS time series"

## Memberships

### Memberships in Space Mission and Earth Observation related Boards/Committees

Memberships in Space Mission and Earth Observation related Boards of DFD and Department of Remote Sensing at University of Würzburg staff (in *italic typeface*) since 2013

Member	Agency	Board	2013	2014	2015	2016	2017	2018	2019
Bittner, M.	ICSU	World Data System	■	■	■	■	■		
Bittner, M.	UFS	Wissenschaftlicher Koordinator	■	■	■	■	■		
Bittner, M.	RIU	Member	■	■	■	■	■	■	
Bittner, M.	NDMC	Co-Chair	■	■	■	■	■	■	
Bittner, M.	VAO	Chair of the board	■	■	■	■	■	■	
Borg, E.	HGF	Tereno Steering Committee	■	■	■	■			
<i>Conrad, C.</i>	DGfG	Arbeitskreis Fernerkundung	■	■	■	■	■		
<i>Conrad, C.</i>		Umweltcluster Bayern				■	■		
Dech, S.	UFZ	Mitglied Konsortialrat	■	■	■	■	■		
Dech, S.	EURAC	Mitglied Evaluierungsboard	■	■	■	■			
Dech, S.	ZEF	Senior Fellow	■	■	■	■	■		
Dech, S.	ZFL	Advisory Board					■		
Erbertseder, T.	ESA	Sentinel-4/5-Mission Advisory Group	■						
Erbertseder, T.	SPIE	Chair of Programme Committee for Remote Sensing Technologies and Applications in Urban Environments				■	■		
Esch, T.	ESA	MUAS Scientific committee			■			■	
Esch, T.	GEO	Co-lead, Task GI-17: Global Urban Observation and Information - Monitoring Urban Assets in Support of Sustainable Cities	■	■	■	■	■		
Esch, T.	GEO	Member of Steering Committee, Human Planet Initiative					■	■	
Esch, T.	POPGRID	Co-lead, Task 'Tools, Portal, and Shared Resources', POPGRID Data Collective					■	■	

Member	Agency	Board	2013	2014	2015	2016	2017	2018	2019
Esch, T.	SPIE	Member of Programme Committee for Remote Sensing Technologies and Applications in Urban Environments				■	■		
Esch, T.	ISDE	Member of Programme Committee Digital Earth Conference			■				
Fischer, C.	GEOSS	C2 Impact Monitoring System for Geo-Resource Exploration and Exploitation	■	■	■				
Fischer, C.	GEOSS	CA-06 EO Data and Mineral Resources				■			
Gähler, M.	ESA	Copernicus Sentinel-3 Mission Advisory Board	■						
Heiden, U.	BelSPO	Steering Committee Member of the URBANEARS Project			■	■	■	■	
Heiden, U.	GRSS TC	Co-Chair Geoscience Spaceborne Imaging Spectroscopy Technical Committee	■	■	■	■	■	■	
Holzwarth, S.	EUFAR	Vice-President of the General Assembly of EUFAR AISBL					■		
Kiemle, S.	ESA	Heterogeneous Missions Accessibility (HMA)	■	■	■	■			
Klein, D.	EURAC	Scientific Advisory Board for the Institute for Earth Observation					■		
Kuenzer, C.	IJRS	Associate Editor of the International Journal of Remote Sensing	■	■	■	■	■		
Kuenzer, C.	RS	Editorial Board member of the journal Remote Sensing	■	■	■	■	■		
Kuenzer, C.	CAS	International Expert Advisory Board of the Institute RADl-CAS	■	■	■	■			
Kuenzer, C.	EARSel	Chair: Special Interest Group Thermal Remote Sensing (jointly w. C. Hecker)	■	■	■	■	■		
Kuenzer, C.	SSC FEC	Member of Scientific Steering Committee "Future Earth Coasts"	■	■	■	■	■		
Kuenzer, C.	GEO	German representative of Group "Data Validation of Global Land Cover Datasets"			■	■	■		
Kuenzer, C.	ISDE	Elected Council Member of the "International Society for Digital Earth"				■	■		

Member	Agency	Board	2013	2014	2015	2016	2017	2018	2019
Kuenzer, C.	ISRSE	Scientific Committee Member of the 37th ISRSE Conference					■		
Latifi, H.	DLR	Data Pool Initiative for Bohemian Forest Ecosystem		■	■	■	■		
Latifi, H.	IBS	Deutsche Region der IBS, Leiter der AG "Ökologie und Umwelt"	■	■	■	■	■		
Marconcini, M.	ISDE	Elected Chair of International Society for Digital Earth					■		
Marconcini, M.	ESA	Scientific Committee – ESA Living Planet Symposium 2013	■						
Marconcini, M.	ESA	Scientific Committee – ESA Living Planet Symposium 2016				■			
Marconcini, M.	ESA	Scientific Committee – EO Open Science 2017					■		
Marconcini, M.	CAS	Advisory Board of the CASEarth project						■	■
Mikusch, E.	ESA	Long Term Data Preservation (LTDP)	■	■	■	■			
Mikusch, E.	ESA	Sentinel-5p Ground Segment Acceptance Review Board				■			
Molch, K.	ESA	Long Term Data Preservation (LTDP)	■	■	■	■			
Molch, K.	GEO/GEOS S	D-GEO Arbeitsgruppe	■	■	■	■			
Molch, K.	IMAGI	Zentrale Arbeitsgruppe des IMAGI	■	■	■	■			
Popp, T.	WMO	Science Advisory for Group Aerosols	■	■	■	■	■		
Riedlinger, T.	ESA	Sentinel-3 Mission Advisory Group	■	■					
Roth, A.	WMO	Polar Space Task Group, SAR Working Group	■	■	■	■			
Roth, A.	DLR	TerraSAR-X/TanDEM-X Mission Board	■	■	■	■			
Schreier, G.	ISPRS	Chairman ISPRS International Policy Advisory Committee (IPAC)	■	■	■	■			
Schreier, G.	ESA	Ground Segment Coordination Body	■	■	■	■			

Scientific Record 2013-2017 (as of 20.03.2018) > Memberships

Member	Agency	Board	2013	2014	2015	2016	2017	2018	2019
Schreier, G.	IAF	Chairman IAF Earth Observation Committee			■	■			
Schroedter-Homscheidt, M.	GEOSS	Energy Community of Practice	■	■	■	■	■		
Taubenböck, H.	BMBF	Nationale Plattform Zukunftsstadt	■	■	■				
Wegmann, M.	CEOS	CEOS Biodiversity activity	■	■	■	■	■		
Wegmann, M.	GEO	GEO BON Implementation Committee	■	■	■	■	■		

BMBF: Bundesministerium für Bildung und Forschung  
 CAS: Chinese Academy of Science  
 CEOS: Committee on Earth Observation Satellites  
 DGfG: Deutsche Gesellschaft für Geographie  
 EARSeL: European Association of Remote Sensing Laboratories  
 ESA: European Space Agency  
 GEO: Group on Earth Observation  
 GEOSS: Global Earth Observation System of Systems  
 IAF: International Astronautical Federation  
 IBS: Internationale Biometrische Gesellschaft  
 ICSU: International Council for Science  
 ISDE: International Society for Digital Earth  
 ISPRS: International Society for Photogrammetry and Remote Sensing  
 NDMC: Network for the Detection of Mesospheric Change  
 RIU: Förderverein des Rheinischen Instituts für Umweltforschung Universität Köln  
 VAO: Virtual Alpine Observatory  
 WMO: World Meteorological Organization  
 ZFL: Zentrum für Fernerkundung der Landoberfläche Universität Bonn

**Memberships in Journal Editorial Boards**

Editorial Memberships of DFD and Department of Remote Sensing at University of Würzburg staff (in *italic typeface*) since 2013

Member	Journal / Book / Series	Publisher	2013	2014	2015	2016	2017	2018	2019
Bittner, M.	The Open Atmospheric Science Journal (TOASJ)	Bentham Open	■	■	■	■	■		
Bittner, M.	Journal on Atmospheric Measurement Techniques (AMT)	Copernicus	■	■	■	■	■		
<i>Conrad, C.</i>	Photogrammetrie, Fernerkundung, Geoinformation (PFG)	Schweizerbart Science Publishers			■	■	■		
<i>Conrad, C.</i>	Journal of Photogrammetry, Remote Sensing and Geoinformation Science	Springer					■		
Heiden, U.	IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (JSTARS)	IEEE			■	■			
Henniger, H.	Radioengineering Journal	Brno University of Technology	■	■	■	■	■		
Kuenzer, C.	International Journal of Remote Sensing, IJRS	Taylor & Francis	■	■	■	■	■		
Kuenzer, C.	Remote Sensing	MDPI		■	■	■	■		
<i>Latifi, H.</i>	Special Issue of Photogrammetrie, Fernerkundung, Geoinformation (PFG)	Schweizerbart Science Publishers				■			
Schroedter-Homscheidt, M.	Meteorologische Zeitschrift (METZET)	Schweizerbart Science Publishers	■	■	■	■	■		
<i>Wegmann, M.</i>	Remote Sensing in Ecology and Conservation	Wiley			■	■	■		

EGU: European Geosciences Union  
 IEEE: Institute of Electrical and Electronics Engineers  
 MDPI: Multidisciplinary Digital Publishing Institute

## Publications

This chapter lists in reverse chronological order for the time period between January 1, 2013 and December 31, 2017.

- publications in ISI and SCOPUS journals,
- other publications with full paper review,
- books and book contributions,
- other publications (> 1 page).

Internal reports as well as doctoral, diploma, Master and Bachelor theses are **not** listed.

DFD authors appear in **bold** typeface, employees of the LS\_FE are **in bold and italic** typeface.

**For identification purposes citations include the ELIB reference number (“€....€”, “€LMF€”).**

### Publications in ISI or Scopus Journals

#### 2017

- [1] Aryal, R. R., **Latifi, H.**, Heurich, M., Hahn, M.: *Impact of slope, aspect and habitat type on LiDAR-derived digital terrain models in a near-natural, heterogenous temperate forest*, Photogrammetrie, Fernerkundung, Geoinformation, 85 (4), pp. 243-255, 2017.€115522€
- [2] Aubrecht, C., Meier, P., **Taubenböck, H.**: *Speeding up the clock in remote sensing – Identifying the ‘black spots’ in exposure dynamics by capitalizing on the full spectrum of joint high spatial and temporal resolution*, Natural Hazards, 86 (1), pp. 177-182, 2017.€111347€
- [3] Bingen, C., Robert, C., Stebel, K., Brühl, C., Schalllock, J., Vanhellemont, F., Matheshvili, N., Höpfner, M., Trickl, T., Barnes, J. E., Jumelet, J., Vernier, J.-P., **Popp, T.**, de Leeuw, G., Pinnock, S.: *Stratospheric aerosol data records for the Climate Change Initiative: development, validation and application to Chemistry-Climote Modelling*, Remote Sensing of Environment, pp. 1-26, 2017.€113776€
- [4] **Borg, E., Fichtelmann, B., Günther, K. P.**: *Dynamic self-learning water-masking algorithm for AATSR, MERIS, and SPOT VEGETATION*, International Journal of Business Intelligence and Data Mining, 12 (2), pp. 95-118, 2017.€112351€
- [5] Calabrese, A., Songer, M., **Wegmann, M.**, Hedges, S., Rose, R., Leimgruber, P.: *Conservation status of Asian elephants: the influence of habitat and governance*, Biodiversity and Conservation, 26 (9), pp. 2067-2081, 2017.€117001€
- [6] **Cao, W., Twele, A.**, Plank, S. M., **Martinis, S.**: *A Three-class Change Detection Methodology for SAR-data based on Hypothesis Testing and Markov Random Field Modeling*, International Journal of Remote Sensing, 39 (2), pp. 488-504, 2017.€114408€
- [7] Cian, F., **Marconcini, M.**, Ceccato, P.: *Normalized Difference Flood Index for rapid flood mapping: taking advantage of EO big data*, Remote Sensing of Environment, pp. 1-30, 2017.€114792€
- [8] **Clauss, K., Ottinger, M., Künzer, C.**: *Mapping rice areas with Sentinel-1 time series and superpixel segmentation*, International Journal of Remote Sensing, 39 (5), pp. 1399-1420, 2017.€114137€
- [9] Confuorto, P., Di Martire, D., Centolanza, G., Iglesias, R., Mallorqui, J. J., Novellino, A., **Plank, S.**, Ramondini, M., Thuro, K., Calcaterra, D.: *Post-failure evolution analysis of a rainfall-triggered landslide by Multi-Temporal Interferometry SAR approaches integrated with geotechnical analysis*, Remote Sensing of Environment, 188, pp. 51-72, 2017.€107537€
- [10] Crawford, B., Grimmond, S., Gabey, A., **Marconcini, M.**: *Variability of urban surface temperatures and implications for aerodynamic energy exchange in cities*, Quarterly Journal of the Royal Meteorological Society, pp. 1-21, 2017.€114793€
- [11] **Da Ponte, E., Künzer, C.**, Parker, A., Rodas, O., Oppelt, N., Fleckenstein, M.: *Forest cover loss in Paraguay and perception of ecosystem services: A case study of the Upper Parana Forest*, Ecosystem Services, 24, pp. 200-212, 2017.€111553€
- [12] **Da Ponte, E., Mack, B., Wohlfart, C.**, Rodas, O., Fleckenstein, M., Oppelt, N., **Dech, S., Kuenzer, C.**: *Assessing Forest Cover Dynamics and Forest Perception in the Atlantic Forest of Paraguay, Combining Remote Sensing and Household Level Data*, Forests, 8 (10), pp. 1-21, 2017.€114635€
- [13] **Dietz, A., Frey, C., Ruppert, T., Bachmann, M., Künzer, C., Dech, S.**: *Automated Improvement of Geolocation Accuracy in AVHRR Data Using a Two-Step Chip Matching Approach—A Part of the TIMELINE Preprocessor.*, Remote Sensing, 9 (303), pp. 1-17, 2017.€111633€
- [14] **Dietz, A., Klein, I., Gessner, U., Frey, C., Künzer, C., Dech, S.**: *Detection of Water Bodies from AVHRR Data — A TIMELINE Thematic Processor*, Remote Sensing, 9 (1), pp. 1-15, 2017.€118229€
- [15] Einzmann, K., Immitzer, M., Böck, S., Bauer, O., **Schmitt, A.**, Atzberger, C.: *Windthrow Detection in European Forests with Very High-Resolution Optical Data*, Remote Sensing, 8 (21), pp. 1-26, 2017.€110883€

- [16] **Eisfelder, C., Klein, I.,** Bekkulyeva, A., **Künzer, C.,** Buchroithner, M. F., **Dech, S.:** *Above-ground biomass estimation based on NPP time-series - A novel approach for biomass estimation in semi-arid Kazakhstan*, *Ecological Indicators*, 72, pp. 13-22, 2017.€105378€
- [17] **Esch, T., Heldens, W., Hirner, A., Keil, M., Marconcini, M., Roth, A., Zeidler, J., Dech, S.,** Strano, E.: *Breaking new ground in mapping human settlements from space - The Global Urban Footprint*, *ISPRS Journal of Photogrammetry and Remote Sensing*, pp. 30-42, 2017.€114248€
- [18] Fassnacht, F., Mangold, D., Schäfer, J., Immitzer, M., Kattenborg, T., Koch, B., **Latifi, H.:** *Estimating stand density, biomass and tree species from very high resolution stereo-imagery-towards an all-in-one sensor for forestry applications?*, *Forestry*, 90 (5), pp. 613-631, 2017.€111943€
- [19] Feng, J., **Rogge, D.,** Rivard, B.: *Comparison of lithological mapping results from airborne hyperspectral VNIR-SWIR, LWIR and combined data*, *International Journal of Applied Earth Observation and Geoinformation*, pp. 1-14, 2017.€111807€
- [20] Fernandez Peruchena, C. M., Gaston, M., **Schroedter-Homscheidt, M., Kosmale, M.,** Martinez Marco, I., Garcia-Moya, J. A., Casado-Rubio, J. L.: *Dynamic Paths: Towards high frequency direct normal irradiance forecasts*, *Energy*, 132, pp. 315-323, 2017.€113122€
- [21] **Forkour, G., Conrad, C., Thiel, M.,** Zougrana, B. J., Tondoh, J.: *Multiscale Remote Sensing to Map the Spatial Distribution and Extent of Cropland in the Sudanian Savanna of West Africa*, *Remote Sensing*, 9 (8), pp. 1-24, 2017.€115505€
- [22] **Frey, C., Künzer, C., Dech, S.:** *Assessment of Mono- and Split-Window Approaches for Time Series Processing of Digital Earth*, 10 (10), pp. 1070-1076, 2017.€112382€
- [23] **Friedl, P.,** Seehaus, T., Wendt, A., Braun, M., **Höppner, K.:** *Recent dynamic changes on Fleming Glacier after the disintegration of Wordie Ice Shelf, Antarctic Peninsula*, *The Cryosphere*, submitted, 2017.€114102€
- [24] **Geiß, C., Aravena Pelizari, P., Schrade, H.,** Brenning, A., **Taubenböck, H.:** *On the Effect of Spatially Non-disjoint Training and Test Samples on Estimated Model Generalization Capabilities in Supervised Classification with Spatial Features*, *IEEE Geoscience and Remote Sensing Letters*, 14 (11), pp. 2008-2012, 2017.€115167€
- [25] **Geiß, C.,** Schauß, A., **Riedlinger, T., Dech, S.,** Zelaya, C., Guzman, N., Hube, M., Jokar Arsanjani, J., **Taubenböck, H.:** *Joint use of remote sensing data and volunteered geographic information for exposure estimation: evidence from Valparaiso, Chile*, *Natural Hazards*, 86, pp. 81-105, 2017.€111043€
- [26] **Geiß, C., Taubenböck, H.:** *One step back for a leap forward: toward operational measurements of elements at risk*, *Natural Hazards*, 86 (1), pp. 1-6, 2017.€111351€
- [27] **Geiß, C.,** Thoma, M., Pittore, M., Wieland, M., **Dech, S., Taubenböck, H.:** *Multitask Active Learning for Characterization of Built Environments with Multisensor Earth Observation Data*, *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, pp. 1-15, 2017.€115169€
- [28] Helbig, C., Dransch, D., Böttinger, M., Devey, C., Haas, A., Hlawitschka, M., **Künzer, C.,** Rink, K., Schäfer-Neth, C., Scheuermann, G., Kwasnitschka, T., Unger, A.: *Challenges and strategies for the visual exploration of complex environmental data*, *International Journal*
- [29] **Heldens, W., Heiden, U., Esch, T., Müller, A., Dech, S.:** *Integration of remote sensing based surface information into a three-dimensional microclimate model*, *ISPRS Journal of Photogrammetry and Remote Sensing*, 125, pp. 106-124, 2017.€110859€
- [30] **Hill, S., Latifi, H.,** Heurich, M., Müller, J.: *Individual-tree- and stand-based development following natural disturbance in a heterogeneously structured forest: A LiDAR-based approach*, *Ecological Informatics*, 2017 (38), pp. 12-25, 2017.€110991€
- [31] **Hu, Z., Künzer, C., Dietz, A., Dech, S.:** *The Potential of Earth Observation for the Analysis of Cold Region Land Surface Dynamics in Europe - A Review*, *Remote Sensing*, 9 (10), pp. 1-40, 2017.€114779€
- [32] Immitzer, M., Böck, S., Einzmann, K., Vuolo, F., **Pinnel, N.,** Wallner, A., Atzberger, C.: *Fractional cover mapping of spruce and pine at 1 ha resolution combining very high and medium spatial resolution satellite imagery*, *Remote Sensing of Environment*, 204, pp. 690-703, 2017.€114500€
- [33] **Jilge, M., Heiden, U., Habermeyer, M.,** Mende, A., Jürgens, C.: *Detecting unknown artificial urban surface materials based on spectral dissimilarity analysis*, *Sensors*, 17 (1826), pp. 1-20, 2017.€114103€
- [34] Kantamaneni, K., **Du, X.:** *Is Catastrophic Climate Change Turning Britain into a Hurricane Hotspot?*, *International Journal of Environmental Research*, 11 (5-6), pp. 569-578, 2017.€118106€
- [35] Khare, S., Ghosh, S. K., **Latifi, H.,** Vijay, S., **Dahms, T.:** *Seasonal-based analysis of vegetation response to environmental variables in the mountainous forests of Western Himalaya*



- using Landsat 8 data, *International Journal of Remote Sensing*, 38 (15), pp. 4418-4442, 2017.€115521€
- [36] Khare, S., **Latifi, H.**, Ghosh, S. K.: *Multi-scale assessment of invasive plant species diversity using Pléiades 1A, RapidEye and Landsat-8 data*, *Geocarto International*, pp. 1-18, 2017.€115515€
- [37] Kleemann, J., Inkoom, J. N., **Thiel, M.**, Shankar, S., Lautenbach, S., Fürst, C.: *Peri-urban land use pattern and its relation to land use planning in Ghana, West Africa*, *Landscape and Urban Planning*, 165, pp. 280-294, 2017.€114843€
- [38] Klein, C., Bliefernicht, J., Heinzeller, D., **Gessner, U.**, **Klein, I.**, Kunstmann, H.: *Feedback of observed interannual vegetation change: a regional climate model Analysis for the West African monsoon*, *Climate Dynamics*, pp. 1-22, 2017.€105356€
- [39] **Klein, I.**, **Gessner, U.**, **Dietz, A.**, **Künzer, C.**: *Global WaterPack – A 250 m resolution dataset revealing the daily dynamics of global inland water bodies*, *Remote Sensing of Environment*, 198, pp. 345-362, 2017.€113038€
- [40] **Klüser, L.**, **Popp, T.**: *Large-scale analysis of relationships between mineral dust, ice cloud properties and precipitation from satellite observations using a Bayesian approach: Theoretical basis and first results for the tropical Atlantic Ocean*, *Advances in Meteorology*, 2017, pp. 1-18, 2017.€113777€
- [41] **Knauer, K.**, **Gessner, U.**, Fensholt, R., **Forkuor, G.**, **Kuenzer, C.**: *Monitoring Agricultural Expansion in Burkina Faso over 14 Years with 30 m Resolution Time Series: The Role of Population Growth and Implications for the Environment*, *Remote Sensing*, 9 (132), pp. 1-25, 2017.€114105€
- [42] Kranz, O., Lang, S., **Schoepfer, E.**: *2.5D change detection from satellite imagery to monitor small-scale mining activities in the Democratic Republic of the Congo*, *International Journal of Applied Earth Observation and Geoinformation*, 61, pp. 81-91, 2017.€112449€
- [43] Kyalo, R., Abdel-Rahman, E. M., Subramanian, S., Nyasani, J. O., **Thiel, M.**, Jozani, H., Borgemeister, C., Landmann, T.: *Maize Cropping Systems Mapping Using RapidEye Observations in Agro-Ecological Landscapes in Kenya*, *Sensors*, 17 (11), pp. 1-16, 2017.€115508€
- [44] **Latifi, H.**, **Hill, S.**, Schumann, B., Heurich, M., **Dech, S.**: *Multi-model estimation of understorey shrub, herb and moss cover in temperate forest stands by laser scanner data*, *Forestry*, 90 (4), pp. 496-514, 2017.€110992€
- [45] **Latifi, H.**, Koch, B.: *Editorial for the Special Issue "Remote Sensing-assisted forest inventory"*, *Photogrammetrie, Fernerkundung, Geoinformation*, 85 (4), pp. 211-212, 2017.€116760€
- [46] Lauer, A., Eyring, V., Righi, M., Buchwitz, M., Defourny, P., Evaldsson, M., Friedlingstein, P., de Jeu, R., de Leeuw, G., Loew, A., Merchant, C., Müller, B., **Popp, T.**, Reuter, M., Sandven, S., Senfleben, D., Stengel, M., Van Roozendaal, M., Wenzel, S., Willen, U.: *Benchmarking CMIP5 models with a subset of ESA CCI Phase 2 data using the ESMValTool*, *Remote Sensing of Environment*, 203, pp. 9-39, 2017.€112446€
- [47] **Leichtle, T.**, **Geiß, C.**, Lakes, T., **Taubenböck, H.**: *Class imbalance in unsupervised change detection – A diagnostic analysis from urban remote sensing*, *International Journal of Applied Earth Observation and Geoinformation*, 60, pp. 83-98, 2017.€112072€
- [48] **Leichtle, T.**, **Geiß, C.**, **Wurm, M.**, Lakes, T., **Taubenböck, H.**: *Unsupervised change detection in VHR remote sensing imagery – an object-based clustering approach in a dynamic urban environment*, *International Journal of Applied Earth Observation and Geoinformation*, 54, pp. 15-27, 2017.€106056€
- [49] Ludlow, D., Khan, Z., Soomro, K., **Marconcini, M.**, San Jose, R., Malcorps, P., Lemper, M., Luis Perez, J., **Metz, A.**: *From top-down land use planning intelligence to bottom-up stakeholder engagement for smart cities – a case study: DECUMANUS service products*, *International Journal of Services, Technology and Management*, inpress, 2017.€108213€
- [50] **Mack, B.**, **Leinenkugel, P.**, **Künzer, C.**, **Dech, S.**: *A semi-automated approach for the generation of a new land use and land cover product for Germany based on Landsat time-series and Lucas in-situ data*, *Remote Sensing Letters*, 8 (3), pp. 244-253, 2017.€107714€
- [51] **Martinis, S.**, **Twele, A.**, Plank, S. M., **Zwenzner, H.**, Danzeglocke, J., **Strunz, G.**, Lüttenberg, H.-P., **Dech, S.**: *The International 'Charter Space and Major Disasters': DLR's contributions to emergency response worldwide*, *Photogrammetrie, Fernerkundung, Geoinformation*, 85, pp. 317-325, 2017.€115835€
- [52] Merchant, C., Paul, F., **Popp, T.**, Ablain, M., Bontemps, S., Defourny, P., Hollmann, R., Lavergne, T., Laeng, A., de Leeuw, G., Mittaz, J., Poulson, C., Povey, A., Reuter, M., Sathyendranath, S., Sandven, S., Sofieva, V., Wagner, W.: *Uncertainty information in climate data records from Earth observation*, *Earth System Science Data*, 9, pp. 511-527, 2017.€113775€
- [53] Möller, M., Gerstmann, H., Gao, F., **Dahms, T.**, Förster, M.: *Coupling of phenological information and simulated vegetation index time series: Limitations and potentials for the assessment and*

- monitoring of soil erosion risk, *Catena*, 3 (150), pp. 192-205, 2017.€110995€
- [54] **Ottinger, M., Clauss, K., Künzer, C.:** *Large-Scale Assessment of Coastal Aquaculture Ponds with Sentinel-1 Time Series Data*, *Remote Sensing*, 9 (440), pp. 1-23, 2017.€112391€
- [55] Palumbo, I., Rose, R. A., Headley, R., Nackoney, J., Vodacek, A., **Wegmann, M.:** *Building capacity in remote sensing for conservation: present and future challenges*, *Remote Sensing in Ecology and Conservation*, pp. 1-9, 2017.€111341€
- [56] Pettorelli, N., Nagendra, H., Rocchini, D., Rowcliffe, M., Williams, R., Ahumada, J., De Angelo, C., Atzberger, C., Boyd, D., Buchanan, G. M., Chauvenet, A., Disney, M., Duncan, C., Fatoyinbo, T., Fernandez, N., Haklay, M., He, K., Horning, N., Kelly, N., de Klerk, H., Liu, X., Merchant, N., Paruelo, N., Roy, H., Shovonlal, R., Ryan, S., Sollmann, R., Swenson, J., **Wegmann, M.:** *Editorial: Remote Sensing in Ecology and Conservation: three years on*, *Remote Sensing in Ecology and Conservation*, 3 (2), pp. 53-56, 2017.€116997€
- [57] Pettorelli, N., Schulte to Bühne, H., Tulloch, A., Dubois, G., Macinnis-Ng, C., Queirós, A. M., Keith, D. A., **Wegmann, M.,** Schrod, F., Stellmes, M., Sonnenschein, R., Geller, G., Shovonlal, R., Somers, B., Murray, N., Bland, L., Geijzendorffer, I., Kerr, J. T., Broszeit, S., Leitao, P. J., Duncan, C., El Serafy, G., He, K. S., Blanchard, J., Lucas, R., Mairota, P., Webb, T. J., Nicholson, E.: *Satellite remote sensing of ecosystem functions: opportunities, challenges and way forward*, *Remote Sensing in Ecology and Conservation*, pp. 1-23, 2017.€116991€
- [58] Plank, S. M., Jüssi, M., **Martinis, S., Twele, A.:** *Mapping of flooded vegetation by means of polarimetric Sentinel-1 and ALOS-2/PALSAR-2 imagery*, *International Journal of Remote Sensing*, 38 (13), pp. 3831-3850, 2017.€111866€
- [59] **Plank, S., Fuchs, E.-M., Frey, C.:** *A Fully Automatic Instantaneous Fire Hotspot Detection Processor Based on AVHRR Imagery—A TIMELINE Thematic Processor*, *Remote Sensing*, 9 (30), pp. 1-22, 2017.€110344€
- [60] Qu, Z., Oumbe, A., Blanc, P., Espinar, B., **Gesell, G.,** Gschwind, B., **Klüser, L.,** Lefèvre, M., Saboret, L., **Schroedter-Homscheidt, M.,** Wald, L.: *Fast radiative transfer parameterisation for assessing the surface solar irradiance: The Heliosat-4 method*, *Meteorologische Zeitschrift*, 26 (1), pp. 33-57, 2017.€106996€
- [61] **Remelgado, R., Leutner, B.,** Safi, K., Sonnenschein, R., **Kübert, C., Wegmann, M.:** *Linking animal movement and remote sensing - mapping resource suitability from a remote sensing perspective*, *Remote Sensing in Ecology and Conservation*, pp. 1-14, 2017.€118351€
- [62] Rizzoli, P., Martone, M., Gonzalez, C., Wecklich, C., Borla Tridon, D., Bräutigam, B., Bachmann, M., Schulze, D., Fritz, T., **Huber, M., Wessel, B.,** Krieger, G., Zink, M., Moreira, A.: *Generation and performance assessment of the global TanDEM-X digital elevation model*, *ISPRS Journal of Photogrammetry and Remote Sensing*, pp. 119-139, 2017.€114315€
- [63] Salehi, S., **Rogge, D.,** Rivard, B., Heincke, B. H., Fensholt, R.: *Modeling and assessment of wavelength displacements of characteristic absorption features of common rock forming minerals encrusted by lichens*, *Remote Sensing of Environment*, 199, pp. 78-92, 2017.€113260€
- [64] **Schroedter-Homscheidt, M.,** Benedetti, A., **Killius, N.:** *Verification of ECMWF and ECMWFIMACC's global and direct irradiance forecasts with respect to solar electricity production forecasts*, *Meteorologische Zeitschrift*, 26 (1), pp. 1-19, 2017.€106020€
- [65] **Schröter, E., Gähler, M.,** Schiewe, J.: *Hypermediale Geovisualisierungen für zivile Sicherheitsanwendungen auf Basis von UAS-Daten*, *Kartographische Nachrichten*, pp. 254-262, 2017.€115621€
- [66] Schulte to Bühne, H., **Wegmann, M.,** Durant, S. M., Ransom, C., de Ornellas, P., Grange, S., Beatty, H., Pettorelli, N.: *Protection status and national socio-economic context shape land conversion in and around a key transboundary protected area complex in West Africa*, *Remote Sensing in Ecology and Conservation*, 3 (4), pp. 190-201, 2017.€116959€
- [67] Silber, I., Price, C., **Schmidt, C., Wüst, S., Bittner, M.:** *First ground-based observations of mesopause temperature above the Easter-Mediterranean Part I: Multi-day oscillations and tides*, *Journal of Atmospheric and Solar-Terrestrial Physics*, inpress, 2017.€110489€
- [68] Song, Z., **Künzer, C.:** *Spectral reflectance (400–2500 nm) properties of coals, adjacent sediments, metamorphic and pyrometamorphic rocks in coal-fire areas: A case study of Wuda coalfield and its surrounding areas, northern China*, *International Journal of Coal Geology*, 171, pp. 142-152, 2017.€111021€
- [69] **Spröhnle, K., Fuchs, E.-M., Aravena Pelizari, P.:** *Object-Based Analysis and Fusion of Optical and SAR Satellite Data for Dwelling Detection in Refugee Camps*, *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 10 (5), pp. 1780-1791, 2017.€111971€
- [70] Steffens, M., **Rogge, D. M.,** Mueller, C. W., Höschen, C., Lugmeier, J., Kölbl, A., Kögel-Knabner, I.: *Identification of Distinct Functional Microstructural Domains Controlling C Storage in Soil*

- Environmental Science & Technology, 51 (21), pp. 12182-12189, 2017.€114614€
- [71] Strano, E., Giometto, A., Shai, S., Bertuzzo, E., Mucha, P. J., Rinaldo, A.: *The scaling structure of the global road network*, Royal Society Open Science, 4 (10), pp. 1-11, 2017.€118108€
- [72] Stumpf, F., Schmidt, K., Goebes, P., Behrens, T., **Schönbrodt-Stitt, S.**, Wadoux, A., Xiang, W., Scholten, T.: *Uncertainty-guided sampling to improve digital soil maps*, Catena, 153, pp. 30-38, 2017.€117007€
- [73] Sun, Z., **Leinenkugel, P.**, Guo, H., Huang, C., **Künzer, C.**: *Extracting distribution and expansion of rubber plantations from Landsat imagery using the C5.0 decision tree method*, Journal of Applied Remote Sensing, 11 (2), pp. 1-21, 2017.€112669€
- [74] **Taubenböck, H., Ferstl, J., Dech, S.**: *Regions Set in Stone—Delimiting and Categorizing Regions in Europe by Settlement Patterns Derived from EO-Data*, ISPRS International Journal of Geo-Information, 6 (2), pp. 1-27, 2017.€111245€
- [75] **Taubenböck, H., Standfuß, I., Wurm, M.**, Krehl, A., Siedentop, S.: *Measuring morphological polycentricity - A comparative analysis of urban mass concentrations using remote sensing data*, Computers, Environment and Urban Systems, 64, pp. 42-56, 2017.€111038€
- [76] Thurner, M., Beer, C., Ciais, P., Friend, A., Akihiko, I., Kleidon, A., Lomas, M. R., Quegan, S., Rademacher, T. T., Schaphoff, S., **Tum, M.**, Wiltshire, A., Carvalhais, N.: *Evaluation of climate-related carbon turnover processes in global vegetation models for boreal and temperate forests*, Global Change Biology, 23 (8), pp. 3076-3091, 2017.€114251€
- [77] Udelhoven, T., Schlerf, M., Segl, K., Mallick, K., Bossung, C., Retzlaff, R., Rock, G., Fischer, P., **Müller, A.**, Storch, T., Eisele, A., Weise, D., Hupfer, W., Knigge, T.: *A Satellite-Based Imaging Instrumentation Concept for Hyperspectral Thermal Remote Sensing*, Sensors, 17 (7), pp. 1-16, 2017.€113075€
- [78] Vaz, E., **Taubenböck, H.**, Kotha, M., Arsanjani, J. J.: *Urban Change in Goa, India*, Habitat International, 68, pp. 24-29, 2017.€115138€
- [79] Wang, Z., Skidmore, A., Wang, T., Darvishzadeh, R., **Heiden, U.**, Heurich, M., **Latifi, H.**, Hearne, J.: *Canopy foliar nitrogen retrieved from airborne hyperspectral imagery by correcting for canopy structure effects*, International Journal of Applied Earth Observation and Geoinformation, 54, pp. 84-94, 2017.€109130€
- [80] **Wegmann, M., Leutner, B.**, Metz, M., Neteler, M., **Dech, S.**, Rocchini, D.: *A grass gis package for semi-automatic spatial pattern analysis of remotely sensed land cover data*, Methods in Ecology and Evolution, 9, pp. 191-199, 2017.€116958€
- [81] **Wegmann, M.**: *Editorial: Remote Sensing Training in Ecology and Conservation – challenges and potential*, Remote Sensing in Ecology and Conservation, 3 (1), pp. 5-6, 2017.€111942€
- [82] **Wei, C.**, Blaschke, T., Kazakopoulos, P., **Taubenböck, H.**, Tiede, D.: *Is spatial resolution critical in urbanization velocity analysis? Investigations in the Pearl River Delta.*, Remote Sensing, 9 (1), pp. 1-25, 2017.€111040€
- [83] **Wei, C., Taubenböck, H.**, Blaschke, T.: *Measuring urban agglomeration using a city-scale dasymmetric population map: A study in the Pearl River Delta, China*, Habitat International, 59, pp. 32-43, 2017.€108618€
- [84] **Winkler, K., Gessner, U.**, Hochschild, V.: *Identifying Droughts Affecting Agriculture in Africa Based on Remote Sensing Time Series between 2000-2016: Rainfall Anomalies and Vegetation Condition in the Context of ENSO*, Remote Sensing, 9 (8), pp. 1-27, 2017.€113743€
- [85] **Wohlfart, C., Mack, B.**, Liu, G., **Künzer, C.**: *Multi-faceted land cover and land use change analyses in the Yellow River Basin based on dense Landsat time series: Exemplary analysis in mining, agriculture, forest, and urban areas*, Applied Geography, 85, pp. 73-88, 2017.€112795€
- [86] **Wurm, M., Taubenböck, H., Weigand, M., Schmitt, A.**: *Slum mapping in polarimetric SAR data using spatial features*, Remote Sensing of Environment, 194, pp. 190-204, 2017.€111787€
- [87] **Wurm, M.**: *Oliveira, Vítor (2016): Urban Morphology. An Introduction to the Study of the Physical Form of Cities*, Raumforschung und Raumordnung, 75 (3), pp. 309-311, 2017.€111071€
- [88] **Wüst, S., Bittner, M.**, Yee, J.-H., Mlynczak, M. G., Russell III, J. M.: *Variability of the Brunt-Väisälä frequency at the OH\*-layer height*, Atmospheric Measurement Techniques (AMT), accepted, 2017.€114829€
- [89] **Wüst, S., Schmidt, C., Bittner, M.**, Silber, I., Price, C., Yee, J.-H., Mlynczak, M. G., Russell III, J. M.: *First ground-based observations of mesopause temperatures above the Eastern-Mediterranean Part II: OH\*-climatology and gravity wave activity*, Journal of Atmospheric and Solar-Terrestrial Physics, pp. 104-111, 2017.€110966€
- [90] **Wüst, S., Wendt, V., Linz, R., Bittner, M.**: *Smoothing data series by means of cubic splines: quality of approximation and introduction of a repeating spline approach*, Atmospheric

Measurement Techniques (AMT), pp. 1-10, 2017.€114296€

## 2016

- [91] Ahmadian, N., Demattè, J. A., Xu, D., **Borg, E.**, Zölitz, R.: *A New Concept of Soil Line Retrieval from Landsat 8 Images for Estimating Plant Biophysical Parameters*, Remote Sensing, 8 (9), pp. 1-23, 2016.€105760€
- [92] Andreou, C., **Rogge, D.**, Müller, R.: *A new approach for endmember extraction and clustering addressing inter- and intra-class variability via multi-scaled-band partitioning*, IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 9 (9), pp. 4215-4231, 2016.€102306€
- [93] Bayer, A., **Bachmann, M.**, **Rogge, D.**, **Müller, A.**, Kaufmann, H.: *Combining Field and Imaging Spectroscopy to Map Soil Organic Carbon in a Semiarid Environment*, IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 9 (9), pp. 3997-4010, 2016.€105812€
- [94] Bohovic, R., Dobrovolny, P., **Klein, D.**: *The Spatial and Temporal Dynamics of Remotely-sensed Vegetation Phenology in Central Asia in the 1982-2011 Period*, European Journal of Remote Sensing, 49, pp. 279-299, 2016.€104605€
- [95] Buzzi, J., Riaza, A., García-Meléndez, E., Carrère, V., **Holzwarth, S.**: *Monitoring of river contamination derived from acid mine drainage using airborne imaging spectroscopy (HyMap data, South-West Spain)*, River Research and Applications, 32, pp. 125-136, 2016.€110398€
- [96] Cerra, D., **Plank, S.**, Lysandrou, V., Tian, J.: *Cultural Heritage Sites in Danger—Towards Automatic Damage Detection from Space*, Remote Sensing, 8 (9), pp. 1-15, 2016.€106163€
- [97] **Clauss, K.**, Yan, H., **Künzer, C.**: *Mapping Paddy Rice in China in 2002, 2005, 2010 and 2014 with MODIS Time Series*, Remote Sensing, 8 (5), pp. 1-22, 2016.€104388€
- [98] Confuorto, P., **Plank, S.**, Novellino, A., Tessitore, S., Ramondini, M.: *Implementation of DInSAR methods for the monitoring of heritage sites: Hera Lacinia in Crotona (Southern Italy)*, Rendiconti Online della Società Geologica Italiana, 41, pp. 231-234, 2016.€103314€
- [99] **Conrad, C.**, Kaiser, B. O., Lamers, J.: *Quantifying water volumes of small lakes in the inner Aral Sea Basin, Central Asia, and their potential for reaching water and food security*, Environmental Earth Sciences, 75 (952), pp. 1-16, 2016.€109146€
- [100] **Conrad, C.**, Lamers, J. P., Ibragimov, N., **Löw, F.**, Martius, C.: *Analysing irrigated crop rotation patterns in arid Uzbekistan by the means of remote sensing: A case study on post-Soviet agricultural land use*, Journal of Arid Environments, 124, pp. 150-159, 2016.€101076€
- [101] **Conrad, C.**, Schönbordt-Stitt, S., **Löw, F.**, Sorokin, D., Paeth, H.: *Cropping Intensity in the Aral Sea Basin and Its Dependency from the Runoff Formation 2000-2012*, Remote Sensing, 8 (630), pp. 1-26, 2016.€109145€
- [102] **Dahms, T.**, **Seissiger, S.**, **Borg, E.**, **Vajen, H.-H.**, **Fichtelmann, B.**, **Conrad, C.**: *Important Variables of a RapidEye Time Series for Modelling Biophysical Parameters of Winter Wheat*, Photogrammetrie Fernerkundung Geoinformation, 5-6, pp. 285-299, 2016.€111310€
- [103] **Da Ponte, E.**, Roch, M., **Dech, S.**, **Kuenzer, C.**: *Paraguay's Atlantic Forest cover loss e Satellite-based change detection and fragmentation analysis between 2003 and 2013*, Applied Geography, 79, pp. 37-49, 2016.€110132€
- [104] Day, J. W., Agboola, J., Chen, Z., D'Elia, C., Forbes, D. L., Giosan, L., Kemp, P., **Künzer, C.**, Lane, R. R., Ramachandran, R., Syvitski, J., Yanez-Arancibia, A.: *Approaches to defining deltaic sustainability in the 21st century*, Estuarine, Coastal and Shelf Science, 183, B, pp. 275-291, 2016.€105114€
- [105] Deshapriya Sonia, P., Barucci, M. A., Fornasier, S., Feller, C., Hasselmann, P. H., Sierks, H., El-Maarry, M. R., Pajola, M., Barbieri, C., Lamy, P., Rodrigo, R., Koschny, D., Rickman, H., Agarwal, J., A'Hearn, M. F., Bertaux, J.-L., Bertini, I., Boudreault, S., Cremonese, G., Da Deppo, V., Davidsson, B., Debei, S., Deller, J., De Cecco, M., Fulle, M., Gicquel, A., Groussin, O., Gutierrez, P. J., Güttler, C., **Hofmann, M.**, Hviid, S., Ip, W.-H., Jorda, L., Keller, H. U., Knollenberg, J., Kramm, J. R., Küht, E., Küppers, M., Lara López, L. M., Lazzarin, M., Lopez Moreno, J., Marzari, F., Mottola, S., Nalletto, G., Oklay, N., Perna, D., Pommerol, A., Thomas, N., Tubiana, C., Vincent, J. B.: *Spectrophotometry of the Khonsu region on the comet 67P/Churyumov-Gerasimenko using OSIRIS instrument images*, Monthly Notices of the Royal Astronomical Society, 462, pp. 274-286, 2016.€108483€
- [106] Dubowyk, O., Landmann, T., **Dietz, A.**, Menz, G.: *Quantifying the Impacts of Environmental Factors on Vegetation Dynamics over Climatic and Management Gradients of Central Asia*, Remote Sensing, 8 (600), pp. 1-16, 2016.€107002€
- [107] Ernst, R., Hölting, M., Rodney, K., Benn, V., Thomas-Caesar, R., **Wegmann, M.**: *A frog's eye view: logging roads buffer against further diversity loss*, Frontiers in Ecology and the Environment, 14 (7), pp. 353-355, 2016.€111339€
- [108] Fassnacht, F., **Latifi, H.**, Stereńczak, K., Modzelewska, A., Lefsky, M., Waser, L. T., Straub, C., Ghosh, A.: *Review of studies on tree species classification from remotely sensed data*, Remote Sensing of Environment, 186 (214), pp. 64-87, 2016.€109131€
- [109] Feller, C., Fornasier, S., Hasselmann, P., Barucci, M. A., Preusker, F., Scholten, F., Jorda, L., Pommerol, A., Jost, T., Poch, O., ElMaary, M. R., Thomas, N., Belskaya, I. N., Pajola, M., Sierks, H., Barbieri, C., Lamy, P., Koschny, D., Rickmann, H., Rodrigo, R., Agarwal, J., Hearn, M. A., Bertaux, J.-L., Bertini, I., Boudreault, S., Cremonese, G., Da Deppo, V., Davidsson, B., Debei, S., De Cecco, M., Deller, J., Fulle, M., Gicquel, A., Groussin, O., Gutierrez, P. J., Güttler, C., **Hofmann, M.**, Hviid, S., Keller, H. U., Ip, W.-H., Knollenberg, J., Kovacs, G., Kramm, J. R., Küht, E., Küppers, M., Lara López, L. M., Lazzarin, M., Leyrat, C., Lopez Moreno, J., Marzari, F., Masoumzadeh, N., Mottola, S., Nalletto, G., Perna, D., Oklay, N., Shi, X., Tubiana, C., Vincent, J. B.: *Decimetre-scaled spectrophotometric properties of the nucleus of comet 67P/Churyumov-Gerasimenko from OSIRIS observations*, Monthly Notices of the Royal Astronomical Society, 462, pp. 287-303, 2016.€109866€
- [110] **Geiß, C.**, **Jilge, M.**, Lakes, T., **Taubenböck, H.**: *Estimation of Seismic Vulnerability Levels of Urban Structures With Multisensor Remote Sensing*, IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 9 (5), pp. 1913-1936, 2016.€107740€
- [111] **Geiß, C.**, **Klotz, M.**, **Schmitt, A.**, **Taubenböck, H.**: *Object-based Morphological Profiles for Classification of Remote Sensing Imagery*, IEEE Transactions on Geoscience and Remote Sensing, 54 (10), pp. 5952-5963, 2016.€106276€
- [112] Georg, I., Blaschke, T., **Taubenböck, H.**: *A global inventory of Urban Corridors based on perceptions and night-time light imagery*, ISPRS International Journal of Geo-Information, 5 (12), pp. 1-19, 2016.€110913€
- [113] Georg, I., Blaschke, T., **Taubenböck, H.**: *New spatial dimensions of global cityscapes: From reviewing existing concepts to a conceptual spatial*

- approach, *Journal of Geographical Sciences*, 26 (3), pp. 355-380, 2016.€102868€
- [114] **Gruber, A., Wessel, B., Martone, M., Roth, A.:** *The TanDEM-X DEM mosaicking: Fusion of multiple acquisitions using InSAR quality parameters*, *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 9 (3), pp. 1047-1057, 2016.€97347€
- [115] **Hannawald, P., Schmidt, C., Wüst, S., Bittner, M.:** *A fast SWIR imager for observations of transient features in OH airglow*, *Atmospheric Measurement Techniques (AMT)*, pp. 1461-1472, 2016.€104914€
- [116] **Hassinen, S., Balis, D., Bauer, H., Begoin, M., Delcloo, A., Eleftheratos, K., Gimeno Garcia, S., Granville, J., Grossi, M., Hao, N., Hedelt, P., Hendrick, F., Hess, M., Heue, K.-P., Hovila, J., Jönch-Sørensen, H., Kalakoski, N., Kauppi, A., Kiemle, S., Kins, L., Koukoulis, M., Kujanpää, J., Lambert, J.-C., Lang, R., Lerot, C., Loyola, D., Pedernana, M., Pinardi, G., Romahn, F., Van Roozendaal, M., Lutz, R., De Smedt, I., Stammes, P., Steinbrecht, W., Tamminen, J., Theys, N., Tilstra, L. G., Tuinder, O., Valks, P., Zerefos, C. S., Zimmer, W., Zyrichidou, I.:** *Overview of the O3M SAF GOME-2 operational atmospheric composition and UV radiation data products and data availability*, *Atmospheric Measurement Techniques (AMT)*, 9 (2), pp. 383-407, 2016.€103679€
- [117] **Henniger, H., Diedrich, E., Seyfarth, S.:** *Analysis and Comparison of new Downlink Technologies for Earth Observation Satellites*, *Radioengineering*, 25 (1), pp. 1-11, 2016.€108034€
- [118] **Kiemle, S., Molch, K., Schropp, S., Weiland, N., Mikusch, E.:** *Big Data Management in Earth Observation*, *IEEE Geoscience and Remote Sensing Magazine (GRSM)*, 4 (3), pp. 51-58, 2016.€108123€
- [119] **Klotz, M., Kemper, T., Geiß, C., Esch, T., Taubenböck, H.:** *How good is the map? A multi-scale cross-comparison framework for global settlement layers: Evidence from Central Europe.*, *Remote Sensing of Environment*, 178 (2016), pp. 191-212, 2016.€103655€
- [120] **Klüser, L., Di Biagio, C., Kleiber, P. D., Formenti, P., Grassian, V. H.:** *Optical properties of non-spherical desert dust particles in the terrestrial infrared - An asymptotic approximation approach*, *Journal of Quantitative Spectroscopy and Radiative Transfer*, 178, pp. 209-223, 2016.€100848€
- [121] **Knauer, K., Gessner, U., Fensholt, R., Künzer, C.:** *An ESTARFM Fusion Framework for the Generation of Large-Scale Time Series in Cloud-Prone and Heterogeneous Landscapes*, *Remote Sensing*, 8 (5), pp. 1-21, 2016.€104361€
- [122] **Kramer, R., Wüst, S., Bittner, M.:** *Investigation of gravity wave activity based on operational radiosonde data from 13 years (1997-2009): climatology and possible induced variability*, *Journal of Atmospheric and Solar-Terrestrial Physics*, 140, pp. 23-33, 2016.€98718€
- [123] **Krehl, A., Siedentop, S., Taubenböck, H., Wurm, M.:** *A Comprehensive View on Urban Spatial Structure: Urban Density Patterns of German City Regions*, *ISPRS International Journal of Geo-Information*, 5 (76), pp. 1-21, 2016.€104421€
- [124] **Laakso, K., Rivard, B., Rogge, D.:** *Enhanced detection of gossans using hyperspectral data: Example from the Cape Smith Belt of northern Quebec, Canada*, *ISPRS Journal of Photogrammetry and Remote Sensing*, 114, pp. 137-150, 2016.€103193€
- [125] **Latifi, H., Heurich, M., Hartig, F., Müller, J., Krzystek, P., Jehl, H., Dech, S.:** *Estimating over- and understorey canopy density of temperate mixed stands by airborne LiDAR data*, *Forestry*, 89 (1), pp. 69-81, 2016.€103371€
- [126] **Löw, F., Waldner, F., Latchininsky, A., Biradar, C., Bolkart, M.:** *Timely monitoring of Asian Migratory locust habitats in the Amudarya delta, Uzbekistan using time series of satellite remote sensing vegetation index*, *Journal of Environmental Management*, 3, pp. 562-575, 2016.€109356€
- [127] **Maes, K., Vandenbussche, S., Klüser, L., Kumps, N., de Mazière, M.:** *Vertical Profiling of Volcanic Ash from the 2011 Puyehue Cordón Caulle Eruption Using IASI*, *Remote Sensing*, 8 (103), pp. 1-22, 2016.€102763€
- [128] **Mager, A., Wirkus, L., Schoepfer, E.:** *Impact Assessment of Oil Exploitation in South Sudan using Multi-Temporal Landsat Imagery*, *Photogrammetrie, Fernerkundung, Geoinformation*, pp. 211-223, 2016.€108650€
- [129] **Mahmoud, M. I., Duker, A., Conrad, C., Thiel, M., Ahmad, H. S.:** *Analysis of Settlement Expansion and Urban Growth Modelling Using Geoinformation for Assessing Potential Impacts of Urbanization on Climate in Abuja City, Nigeria*, *Remote Sensing*, 8 (3), pp. 1-24, 2016.€104109€
- [130] **Marmanis, D., Datcu, M., Esch, T., Stilla, U.:** *Deep Learning Earth Observation Classification Using ImageNet Pre-trained Networks*, *IEEE Geoscience and Remote Sensing Letters*, 13 (1), pp. 105-109, 2016.€99809€
- [131] **Mohammed Ali, A., Darvishzadeh, R., Skidmore, A., van Duren, I., Heiden, U., Heurich, M.:** *Estimating leaf functional traits by inversion of PROSPECT: Assessing leaf dry matter content and specific leaf area in mixed mountainous forest*, *International Journal of Applied Earth Observation and Geoinformation*, 45 (A), pp. 66-76, 2016.€110397€
- [132] **Mohammed, A., Skidmore, A., Darvishzadeh, R., van Duren, I., Holzwarth, S., Müller, J.:** *Retrieval of forest leaf functional traits from HySpex imagery using radiative transfer models and continuous wavelet analysis*, *ISPRS Journal of Photogrammetry and Remote Sensing*, pp. 68-80, 2016.€107295€
- [133] **Moser, L., Schmitt, A., Wendleder, A., Roth, A.:** *Monitoring of the Lac Bam Wetland Extent Using Dual-Polarized X-Band SAR Data*, *Remote Sensing*, 8 (302), pp. 1-31, 2016.€104382€
- [134] **Ottinger, M., Clauss, K., Künzer, C.:** *Aquaculture: Relevance, Distribution, Impacts and Spatial Assessments – A Review*, *Ocean & Coastal Management*, 119, pp. 244-266, 2016.€99920€
- [135] **Paganini, M., Leidner, A., Geller, G., Turner, W., Wegmann, M.:** *The role of space agencies in remotely sensed essential biodiversity variables*, *Remote Sensing in Ecology and Conservation*, 2 (3), pp. 132-140, 2016.€111342€
- [136] **Plank, S., Twele, A., Martinis, S.:** *Landslide Mapping in Vegetated Areas Using Change Detection Based on Optical and Polarimetric SAR Data*, *Remote Sensing*, 8, pp. 1-20, 2016.€103801€
- [137] **Popp, T., de Leeuw, G., Bingen, C., Brühl, C., Capelle, V., Chédin, A., Clarisse, L., Dubovik, O., Grainger, R., Griesfeller, J., Heckel, A., Kinne, S., Klüser, L., Kosmale, M., Kolmonen, P., Lelli, L., Litvinov, P., Mei, L., North, P., Pinnock, S., Povey, A., Robert, C., Schulz, M., Sogacheva, L., Stebel, K., Stein Zweers, D., Thomas, G., Tilstra, L. G., Vandenbussche, S., Veeffkind, P., Vountas, M., Xue, Y.:** *Development, Production and Evaluation of Aerosol Climate Data Records from European Satellite Observations (Aerosol\_cci)*, *Remote Sensing*, 8 (421), pp. 1-34, 2016.€104329€
- [138] **Pütz, T., Kiese, R., Wollschläger, U., Groh, J., Rupp, H., Zacharias, S., Priesack, E., Gerke, H., Bens, O., Borg, E., Baessler, C., Herbrich, M., Munch, J. C., Sommer, M., Vogel, H.-J., Vanderborght, J., Vereecken, H.:** *TERENO-SOILCan: a lysimeter-network in Germany observing soil processes and plant diversity influenced by climate change*, *Environmental Earth Sciences*, 75 (1242), pp. 1-14, 2016.€106052€

- [139] Richter, A., Scholz, M., **Friedl, H., Ruppert, T.**, Köster, F.: *Challenges and experiences in using heterogeneous, geo-referenced data for automatic creation of driving simulator environments*, Simulation-Transactions of the Society for Modeling and Simulation International, 92 (5), pp. 437-446, 2016.€109231€
- [140] Ruf, H., **Schroedter-Homscheidt, M.**, Heilscher, G., Beyer, H. G.: *Quantifying residential PV feed-in power in low voltage grids based on satellite-derived irradiance data with application to power flow calculations*, Solar Energy, pp. 692-702, 2016.€104890€
- [141] **Schmitt, A.**: *Multiscale and Multidirectional Multilooking for SAR Image Enhancement*, IEEE Transactions on Geoscience and Remote Sensing, 54 (9), pp. 5117-5134, 2016.€106189€
- [142] **Schoepfer, E., Spröhnle, K.**, Kranz, O., Blaes, X., Kolomaznik, J., Hilgert, F., Bartalos, T., Kemper, T.: *Towards a multi-scale approach for an Earth observation-based assessment of natural resource exploitation in conflict regions*, Geocarto International, pp. 1-20, 2016.€104830€
- [143] Schreyer, J., **Geiß, C.**, Lakes, T.: *TanDEM-X for Large-Area Modeling of Urban Vegetation Height: Evidence from Berlin, Germany*, IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 9 (5), pp. 1876-1887, 2016.€106273€
- [144] Sebesvari, Z., Renaud, F., Haas, S., Tessler, Z., Hagenlocher, M., Kloos, J., Szabo, S., Tejedor, A., **Künzer, C.**: *A review of vulnerability indicators for deltaic social-ecological systems*, Sustainability Science, 11 (4), pp. 575-590, 2016.€104228€
- [145] **Sedlak, R., Hannawald, P., Schmidt, C., Wüst, S., Bittner, M.**: *High resolution observations of small scale gravity waves and turbulence features in the OH airglow layer*, Atmospheric Measurement Techniques (AMT), 9, pp. 5955-5963, 2016.€109574€
- [146] **Taubenböck, H., Standfuß, I., Klotz, M., Wurm, M.**: *The Physical Density of the City - Deconstruction of the Delusive Density Measure with Evidence from Two European Megacities.*, ISPRS International Journal of Geo-Information, 5 (11), pp. 1-24, 2016.€107547€
- [147] Thurner, M., Beer, C., Carvalhais, N., Forkel, M., Santoro, M., **Tum, M.**, Schullius, C.: *Large-scale variation in boreal and temperate forest carbon turnover rate is related to climate*, Geophysical Research Letters, GL0687, pp. 4576-4585, 2016.€104291€
- [148] **Tum, M., Günther, K. P.**, Böttcher, M., Baret, F., **Bittner, M.**, Brockmann, C., Weiss, M.: *Global Gap-Free MERIS LAI Time Series (2002-2012)*, Remote Sensing, 8 (69), pp. 1-19, 2016.€102590€
- [149] **Tum, M., Zeidler, J., Günther, K. P., Esch, T.**: *Global NPP and straw bioenergy trends for 2000–2014*, Biomass & Bioenergy, 90, pp. 230-236, 2016.€104220€
- [150] **Twele, A., Cao, W., Plank, S., Martinis, S.**: *Sentinel-1-based flood mapping: a fully automated processing chain*, International Journal of Remote Sensing, 37 (13), pp. 2990-3004, 2016.€102476€
- [151] Ullmann, T., **Schmitt, A.**, Jagdhuber, T.: *Two Component Decomposition of Dual Polarimetric HH/VV SAR Data: Case Study for the Tundra Environment of the Mackenzie Delta Region, Canada*, Remote Sensing, 8 (1027), pp. 1-24, 2016.€109762€
- [152] Van Toor, M. L., Newman, S. H., Takekawa, J. Y., **Wegmann, M.**, Safi, K.: *Temporal segmentation of animal trajectories informed by habitat use*, Ecosphere, 7 (10), pp. 1-16, 2016.€111340€
- [153] **Voigt, S.**, Giulio-Tonolo, F., Lyons, J., Kučera, J., Jones, B., **Schneiderhan, T.**, Platzeck, G., Kaku, K., Hazarika, M. K., Czarán, L., Li, S., Pedersen, W., James, G. K., Proy, C., Muthike, D. M., Bequignon, J., Guha-Sapir, D.: *Global trends in satellite-based emergency mapping*, Science, 353 (6296), pp. 247-252, 2016.€105483€
- [154] Wang, Z., Wang, T., Darvishzadeh, R., Skidmore, A., Jones, S., Suarez, L., Woodgate, W., **Heiden, U.**, Heurich, M., Hearne, J.: *Vegetation Indices for Mapping Canopy Foliar Nitrogen in a Mixed Temperate Forest*, Remote Sensing, 8 (6), pp. 1-20, 2016.€110401€
- [155] **Wendleder, A.**, Felbier, A., **Wessel, B., Huber, M., Roth, A.**: *A Method to Estimate Long-Wave Height Errors of SRTM C-Band DEM*, IEEE Geoscience and Remote Sensing Letters, 13 (5), pp. 696-700, 2016.€104374€
- [156] **Wohlfart, C., Künzer, C.**, Chen, C., Liu, G.: *Social-ecological challenges in the Yellow River basin (China): a review*, Environmental Earth Sciences, 75 (1066), pp. 1-20, 2016.€105371€
- [157] **Wohlfart, C.**, Liu, G., Huang, C., **Künzer, C.**: *A River over the Course of Time - Multi-temporal Analyses of Land Surface Dynamics in the Yellow River Basin (China) based on medium Resolution Remote Sensing Data*, Remote Sensing, 8 (3), pp. 1-25, 2016.€103230€
- [158] **Wolters, M.**, Zhongchang, S., Chong, H., **Kuenzer, C.**: *Environmental awareness and vulnerability in the Yellow River Delta: Results based on a comprehensive household survey*, Ocean & Coastal Management, 120, pp. 1-10, 2016.€100333€
- [159] **Wurm, M., Schmitt, A., Taubenböck, H.**: *Building types' classification using shape-based features and linear discriminant functions*, IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 9 (5), pp. 1901-1912, 2016.€97452€
- [160] **Wüst, S.**, Wendt, V., **Schmidt, C.**, Lichtenstern, S., **Bittner, M.**, Yee, J.-H., Mlynczak, M., Russell III, J.: *Derivation of gravity wave potential energy density from NDMC measurements*, Journal of Atmospheric and Solar-Terrestrial Physics, 138, pp. 32-46, 2016.€100024€

## 2015

[161] Ayanu, Y. Z., **Conrad, C.**, Jentsch, A., Koellner, T.: *Unveiling Undercover Cropland Inside Forests Using Landscape Variables: A Supplement to Remote Sensing Image Classification*, PLoS One, 10 (8), pp. 1-21, 2015.€101080

[162] **Bachmann, M.**, Makarau, A., Segl, K., Richter, R.: *Estimating the Influence of Spectral and Radiometric Calibration Uncertainties on EnMAP Data Products—Examples for Ground Reflectance Retrieval and Vegetation Indices*, Remote Sensing, 7 (8), pp. 10689-10714, 2015.€97980€

[163] Biberacher, M., **Tum, M., Günther, K. P.**, Gadocha, S., Zeil, P., Jilani, R., Mansha, M.: *Availability assessment of bioenergy and power plant location optimization: A case study for Pakistan*, Renewable and Sustainable Energy Reviews, 42, pp. 700-711, 2015.€83336€

[164] Chen, C., Börnick, H., Cai, Q., Dai, X., Jähnig, S., Kong, Y., Krebs, P., **Künzer, C.**, Kunstmann, H., Liu, Y., Nixdorf, E., Pang, C., Rode, M., Schueth, C., Song, Y., Yue, T., Zhou, K., Zhang, J., Kolditz, O.: *Challenges and opportunities of German-Chinese cooperation in water science and technology*, Environmental Earth Sciences, 2/2015 (73), pp. 4861-4871, 2015.€95475€

[165] **Da Ponte, E.**, Fleckenstein, M., **Leinenkugel, P.**, Parker, A., Oppelt, N., **Künzer, C.**: *Tropical forest cover dynamics for Latin America using Earth observation data: a review covering the continental, regional, and local scale*,

- International Journal of Remote Sensing, 36 (12), pp. 3196-3242, 2015.€97021€
- [166] Dalponte, M., Ene, L. T., **Marconcini, M.**, Gobakken, T., Naesset, E.: *Semi-supervised SVM for individual tree crown species classification*, ISPRS Journal of Photogrammetry and Remote Sensing, 110, pp. 77-87, 2015.€100204€
- [167] de Leeuw, G., **Holzer-Popp, T.**, Bevan, S., Davies, J., Declotres, J., Grainger, R. G., Griesfeller, J., Heckel, A., **Klüser, L.**, Kolmonen, P., Litvinov, P., Martynenko, M., North, P., Ovigneur, B., Pacal, N., Poulson, C., Ramon, D., Schulz, M., Siddans, R., Sogacheva, L., Tanre, D., Thomas, G., Virtanen, D., von Hoyningen-Huene, W., Vountas, M., Pinnock, S.: *Evaluation of seven European aerosol optical depth retrieval algorithms for climate analysis*, Remote Sensing of Environment, 162, pp. 295-315, 2015.€96719€
- [168] **Dietz, A., Künzer, C., Dech, S.**: *Global SnowPack: a new set of snow cover parameters for studying status and dynamics of the planetary snow cover extent*, Remote Sensing Letters, 6 (11), pp. 844-853, 2015.€98162€
- [169] Fa, J. E., Olivero, J., Farfan, M. A., Vargas, M., Ziegler, S., **Wegmann, M.**, Brown, D., Margetts, B., Real, R., Marquez, A. L., Nasi, R.: *Disentangling the relative effects of bushmeat availability on human nutrition in central Africa*, Nature, 5 (8168), pp. 1-8, 2015.€96836€
- [170] Fahr, J., Abedi-Lartey, M., **Esch, T.**, Machwitz, M., Suu-Ire, R., Wikelski, M., Dechmann, D. K.N.: *Pronounced seasonal changes in the movement ecology of a highly gregarious central-place forager, the African straw-coloured fruit bat (*Eidolon helvum*)*, PLoS One, 10 (10), pp. 1-19, 2015.€99802€
- [171] **Forkour, G., Conrad, C., Thiel, M.**, Landmann, T., Boubacar, B.: *Evaluating the sequential masking classification approach for improving crop discrimination in the Sudanian Savanna of West Africa*, Computers and Electronics in Agriculture, 118, pp. 380-389, 2015.€101074€
- [172] **Fourie, C. E.**: *On Attribute Thresholding and Data Mapping Functions in a Supervised Connected Component Segmentation Framework*, Remote Sensing, 7 (6), pp. 7350-7377, 2015.€97627€
- [173] **Geiß, C., Aravena Pelizari, P., Marconcini, M.**, Sengara, W., Edwards, M., Lakes, T., **Taubenböck, H.**: *Estimation of seismic building structural types using multi-sensor remote sensing and machine learning techniques*, ISPRS Journal of Photogrammetry and Remote Sensing, 104, pp. 175-188, 2015.€96094€
- [174] **Geiß, C., Taubenböck, H.**: *Object-Based Postclassification Relearning*, IEEE Geoscience and Remote Sensing Letters, 12 (11), pp. 2336-2340, 2015.€102275€
- [175] **Geiß, C., Wurm, M., Breunig, M., Felbier, A., Taubenböck, H.**: *Normalization of TanDEM-X DSM Data in Urban Environments With Morphological Filters*, IEEE Transactions on Geoscience and Remote Sensing, 53 (8), pp. 4348-4362, 2015.€95559€
- [176] **Gessner, U., Machwitz, M., Esch, T., Tillack, A., Naeimi, V., Künzer, C., Dech, S.**: *Multi-sensor mapping of West African land cover using MODIS, ASAR and TanDEM-X/TerraSAR-X data*, Remote Sensing of Environment, 164, pp. 282-297, 2015.€96594€
- [177] Gokon, H., Post, J., **Stein, E., Martinis, S., Tvele, A., Mück, M., Geiß, C.**, Koshimura, S., Matsuoka, M.: *A Method for Detecting Buildings Destroyed by the 2011 Tohoku Earthquake and Tsunami Using Multitemporal TerraSAR-X Data*, IEEE Geoscience and Remote Sensing Letters, 12 (6), pp. 1277-1281, 2015.€96035€
- [178] Guanter, L., Kaufmann, H., Segl, K., Förster, S., Rogass, C., Chabrillat, S., Küster, T., Hollstein, A., Rossner, G., Chlebek, C., Straif, C., Fischer, S., Schrader, S., Storch, T., **Heiden, U., Müller, A., Bachmann, M., Mühle, H., Müller, R., Habermeyer, M., Ohndorf, A., Hill, J., Buddenbaum, H., Hostert, P., van der Linden, S., Leitao, P. J., Rabe, A., Doerffer, R., Krasemann, H., Xi, H., Mauser, W., Hank, T., Locherer, M., Rast, M., Staenz, K., Sang, B.**: *The EnMAP Spaceborne Imaging Spectroscopy Mission for Earth Observation*, Remote Sensing, pp. 8830-8857, 2015.€97231€
- [179] Hofmann, P., **Taubenböck, H.**, Werthmann, C.: *Monitoring and Modelling of Informal Settlements – a Review on Recent Developments and Challenges*, in Proc. Joint Urban Remote Sensing Event 2015 (JURSE 2015), pp. 1-4, 2015.€96200€
- [180] Jain, M., Knieling, J., **Taubenböck, H.**: *Urban transformation in the National Capital Territory of Delhi, India: The emergence and growth of slums?*, Habitat International, 48, pp. 87-96, 2015.€96193€
- [181] **Keil, M., Esch, T., Feigenspan, S., Marconcini, M., Metz, A., Ottinger, M., Zeidler, J.**: *Creation of a High-Resolution Product CLC2006\_Backdating by a Backward Look from the Digital Land Cover Model DLM-DE2009 to 2006 - A Contribution to the German CORINE Land Cover 2012 Project within a Bottom-Up Approach.*, in Proc. 35th International Symposium on Remote Sensing of Environment (ISRSE) 2015, XL-7/W, pp. 1093-1100, 2015.€99991€
- [182] **Kerr, G., Fischer, C.**, Reulke, R.: *A data-driven approach to quality assessment for hyperspectral systems*, Computers & Geosciences, 83, pp. 100-109, 2015.€97420€
- [183] Kinkeldy, C., Schiewe, J., Gerstmann, H., Götze, C., Kit, O., Lüdeke, M., **Taubenböck, H., Wurm, M.**: *Evaluating the use of uncertainty visualization for exploratory analysis of land cover change: A qualitative expert user study*, Computers & Geosciences, 84, pp. 46-53, 2015.€98027€
- [184] **Klein, I., Dietz, A., Gessner, U., Dech, S., Künzer, C.**: *Results of the Global WaterPack: a novel product to assess inland water body dynamics on a daily basis*, Remote Sensing Letters, 6 (1), pp. 78-87, 2015.€95040€
- [185] Klügel, T., **Höppner, K.**, Falk, R., Kühmstedt, E., Plötz, C., Reinhold, A., Rülke, A., Wojdziak, R., Bals, U., **Diedrich, E.**, Eineder, M., **Henniger, H., Metzig, R.**, Steigenberger, P., Gisinger, C., Schuh, H., Böhm, J., Ojha, R., Kadler, M., Humbert, A., Braun, M., Sun, J.: *Earth and space observation at the German Antarctic Receiving Station O'Higgins*, Polar Record, 51 (6), pp. 590-610, 2015.€91057€
- [186] **Klüser, L., Banks, J. R., Martynenko, D., Bergemann, C., Brindley, H. E., Holzer-Popp, T.**: *Information content of space-borne hyperspectral infrared observations with respect to mineral dust properties*, Remote Sensing of Environment, 156, pp. 294-309, 2015.€91250€
- [187] **Klüser, L., Killius, N., Gesell, G.**: *APOLLO\_NG – a probabilistic interpretation of the APOLLO legacy for AVHRR heritage channels*, Atmospheric Measurement Techniques, 8, pp. 4155-4170, 2015.€99263€
- [188] **Kramer, R., Wüst, S., Schmidt, C., Bittner, M.**: *Gravity wave characteristics in the middle atmosphere during the CESAR campaign at Palma de Mallorca in 2011/2012: Impact of extratropical cyclones and cold fronts*, Journal of Atmospheric and Solar-Terrestrial Physics, 128, pp. 8-23, 2015.€98717€
- [189] **Künzer, C., Klein, I., Ullmann, T., Georgiou, E. F., Baumhauer, R., Dech, S.**: *Remote Sensing of River Delta Inundation: Exploiting the Potential of Coarse Spatial Resolution, Temporally-Dense MODIS Time Series*, Remote Sensing, 7 (7), pp. 8516-8542, 2015.€97138€
- [190] Laakso, K., Rivard, B., Peters, J., White, P., Maloley, M., Harris, J., **Rogge, D.**: *Application*

of Airborne, Laboratory, and Field Hyperspectral Methods to Mineral Exploration in the Canadian Arctic: Recognition and Characterization of Volcanogenic Massive Sulfide-Associated Hydrothermal Alteration in the Izok Lake Deposit Area, Nunavut, Canada, Economic Geology, 110, pp. 925-941, 2015.€96162€

[191] **Latifi, H.**, Fassnacht, F. E., Hartig, F., Berger, C., Hernández, J., Corvalán, P., Koch, B.: Stratified aboveground forest biomass estimation by remote sensing data, International Journal of Applied Earth Observation and Geoinformation, 38, pp. 229-241, 2015.€96844€

[192] **Latifi, H.**, Fassnacht, F., Müller, J., Tharani, A., **Dech, S.**, Heurich, M.: Forest inventories by LIDAR data: A comparison of single tree segmentation and metric-based methods for inventories of a heterogeneous temperate forest, International Journal of Applied Earth Observation and Geoinformation, 42, pp. 162-174, 2015.€98001€

[193] **Latifi, H.**, Heurich, M., Hartig, F., Müller, J., Krzystek, P., Jehl, H., **Dech, S.**: Estimating over- and understorey canopy density of temperate mixed stands by airborne LIDAR data, Forestry, 89 (1), pp. 69-81, 2015.€103371€

[194] Lefever, K., Van der A, R., **Baier, F.**, Christophe, Y., Errera, Q., Eskes, H., Flemming, J., Inness, A., Jones, L., Lambert, J.-C., Langerock, B., Schultz, M. G., Stein, O., Wagner, A., Chabrilat, S.: Copernicus stratospheric ozone service, 2009–2012: validation, system intercomparison and roles of input data sets, Atmospheric Chemistry and Physics, pp. 2269-2293, 2015.€102417€

[195] **Leinenkugel, P.**, **Wolters, M.**, Oppelt, N., **Künzer, C.**: Tree cover and forest cover dynamics in the Mekong Basin from 2001 to 2011, Remote Sensing of Environment, 158, pp. 376-392, 2015.€93270€

[196] **Lex, S.**, **Asam, S.**, **Löw, F.**, **Conrad, C.**: Comparison of two Statistical Methods for the Derivation of the Fraction of Absorbed Photosynthetic Active Radiation for Cotton, Photogrammetrie, Fernerkundung, Geoinformation, 1, pp. 55-67, 2015.€96833€

[197] **Löw, F.**, **Conrad, C.**, Ulrich, M.: Decision fusion and non-parametric classifiers for land use mapping using multi-temporal RapidEye data, ISPRS Journal of Photogrammetry and Remote Sensing, 108, pp. 191-204, 2015.€99055€

[198] **Löw, F.**, Duveiller, G., **Conrad, C.**, Michel, U.: Impact of Categorical and Spatial Scale on Supervised Crop Classification using Remote Sensing, Photogrammetrie, Fernerkundung, Geoinformation, 1, pp. 7-20, 2015.€96842€

[199] **Löw, F.**, Fliemann, E., Abdullaev, I., **Conrad, C.**, Lamers, J. P.: Mapping abandoned agricultural land in Kyzyl-Orda, Kazakhstan using satellite remote sensing, Applied Geography, 62, pp. 377-390, 2015.€96825€

[200] **Löw, F.**, **Knöfel, P.**, **Conrad, C.**: Analysis of uncertainty in multi-temporal object-based classification, ISPRS Journal of Photogrammetry and Remote Sensing, 105, pp. 91-106, 2015.€96841€

[201] Lu, L., **Künzer, C.**, Wang, C., Guo, H., Li, Q.: Evaluation of Three MODIS-Derived Vegetation Index Time Series for Dryland Vegetation Dynamics Monitoring, Remote Sensing, 7, pp. 7597-7614, 2015.€96602€

[202] Machwitz, M., **Gessner, U.**, **Conrad, C.**, Falk, U., Richters, J., **Dech, S.**: Modelling the Gross Primary Productivity of West Africa with the Regional Biomass Model RBM+, using optimized 250 m MODIS FPAR and fractional vegetation cover information, International Journal of Applied Earth Observation and Geoinformation, 43, pp. 177-194, 2015.€96835€

[203] Malec, S., **Rogge, D.**, **Heiden, U.**, Sánchez-Azofeifa, A., **Bachmann, M.**, **Wegmann, M.**: Capability of Spaceborne Hyperspectral EnMAP Mission for Mapping Fractional Cover for Soil Erosion Modeling, Remote Sensing, 7 (9), pp. 11776-11800, 2015.€98398€

[204] **Martinis, S.**, **Kersten, J.**, **Twele, A.**: A fully automated TerraSAR-X based flood service, ISPRS Journal of Photogrammetry and Remote Sensing, 104, pp. 203-212, 2015.€96684€

[205] **Martinis, S.**, **Künzer, C.**, **Wendleder, A.**, **Huth, J.**, **Twele, A.**, **Roth, A.**, **Dech, S.**: Comparing four operational SAR-based water and flood detection approaches, International Journal of Remote Sensing, 36 (13), pp. 3519-3543, 2015.€97261€

[206] **Martinis, S.**, Rieke, C.: Backscatter analysis using multi-temporal and multi-frequency SAR data in the context of flood mapping at River Saale, Remote Sensing, 7, pp. 7732-7752, 2015.€96685€

[207] Nguyen, D. B., **Clauss, K.**, Cao, S., Naeimi, V., **Künzer, C.**, Wagner, W.: Mapping Rice Seasonality in the Mekong Delta with Multi-Year Envisat ASAR WSM Data, Remote Sensing, 7, pp. 15868-15893, 2015.€99645€

[208] Nocita, M., Stevens, A., van Wesemael, B., Aitkenhead, M., **Bachmann, M.**, Barthes, B., Ben-Dor, E., Brown, D. J., Clairotte, M., Csorba, A., Dardenne, P., Dematte, J. A.M., Genot, V., Guerrero, C., Knadel, M., Montanarella, L., Noon,

C., Ramirez-Lopez, L., Robertson, J., Sakai, H., Soriano-Disla, J. M., SHepherd, K. D., Stenberg, B., Towett, E. K., Vargas, R., Wetterlind, J.: Spectroscopy: An Alternative to Wet Chemistry for Soil Monitoring, Advances in Agronomy, pp. 1-21, 2015.€95825€

[209] Offermann, D., **Goussev, O.**, Kalicinsky, C., Koppmann, R., Matthes, K., Schmidt, H., Steinbrecht, W., Wintel, J.: A case study of multi-annual temperature oscillations in the atmosphere: Middle Europe, Journal of Atmospheric and Solar-Terrestrial Physics, 135, pp. 1-11, 2015.€99495€

[210] Riaza, A., Buzzi, J., Garcia-Melendez, E., Carrere, V., Sarmiento, A., **Müller, A.**: Monitoring acidic water in a polluted river with hyperspectral remote sensing (HyMap), Hydrological Sciences Journal / Journal des sciences hydrologiques, 60 (6), pp. 1064-1077, 2015.€96164€

[211] Rose, R., Byler, D., Eastman, R., Fleishman, E., Geller, G., Goetz, S., Guild, L., Hamilton, H., Hansen, M., Headley, R., Hewson, J., Horning, N., Kapilin, B., Laporte, N., Leidern, A., Leimgruber, P., Morissette, J., Musinsky, H., Pintea, L., Prados, A., Radeloff, V., Rowen, M., Saatchi, S., Schill, S., Tabor, K., Turner, W., Vodacek, A., Vogelmann, J., **Wegmann, M.**, Wilkie, D., Wilseon, C.: Ten Ways Remote Sensing Can Contribute to Conservation, Conservation Biology, 29 (2), pp. 350-359, 2015.€92743€

[212] Schepanski, K., **Klüser, L.**, Heinold, B., Tegen, I.: Spatial and temporal correlation length as a measure for the stationarity of atmospheric dust aerosol distribution, Atmospheric Environment, 122, pp. 10-21, 2015.€99260€

[213] **Schmitt, A.**, **Wendleder, A.**, Hinz, S.: The Kennaugh element framework for multi-scale, multi-polarized, multi-temporal and multi-frequency SAR image preparation, ISPRS Journal of Photogrammetry and Remote Sensing, 102, pp. 122-139, 2015.€102225€

[214] Song, Z., **Künzer, C.**, Zhu, H., Zhang, Z., Jia, Y., Sun, Y., Zhang, J.: Analysis of coal fire dynamics in the Wuda syncline impacted by fire-fighting activities based on in-situ observations and Landsat-8 remote sensing data, International Journal of Coal Geology, pp. 91-102, 2015.€95817€

[215] **Spröhnle, K.**, Kranz, O., **Schöpfer, E.**, Moeller, M., **Voigt, S.**: Earth observation-based multi-scale impact assessment of internally displaced person (IDP) camps on wood resources in Zalingei, Darfur, Geocarto International, 31 (5), pp. 1-21, 2015.€97991€

[216] Tappert, M., Rivard, B., Fulop, A., **Rogge, D.**, Feng, J., Tappert, R., Stalder, R.: Characterizing



Kimberlite Dilution by Crustal Rocks at the Snap Lake Diamond Mine (Northwest Territories, Canada) using SWIR (1.90–2.36  $\mu\text{m}$ ) and LWIR (8.1–11.1  $\mu\text{m}$ ) Hyperspectral Imagery Collected from Drill Core, *Economic Geology*, 110 (6), pp. 1375-1387, 2015.€98032€

[217] **Taubenböck, H., Wiesner, M.:** *The spatial network of megaregions – Types of connectivity between cities based on settlement patterns derived from EO-data.*, *Computers, Environment and Urban Systems*, 54, pp. 165-180, 2015.€98108€

[218] **Taubenböck, H., Wurm, M.:** *Wo beginnt die Stadt? Urbane Fernerkundung für stadtgeographische Forschung*, *disP - The Planning Review*, 51 (3), pp. 74-85, 2015.€97993€

[219] Turner, W., Rondinini, C., Pettorelli, N., Mora, B., Leidner, A. K., Szantoi, Z., Buchanan, G., **Dech, S.**, Dwyer, J., Herold, M., Koh, L. P., Leimgruber, P., **Taubenböck, H., Wegmann, M.**, Wikelski, M., Woodcock, C.: *Free and open-access satellite data are key to biodiversity conservation*, *Biological Conservation*, 182, pp. 173-176, 2015.€94598€

[220] Vo, Q. T., **Künzer, C.**, Oppelt, N.: *How remote sensing supports mangrove ecosystem service valuation: A case study in Ca Mau province, Vietnam*, *Ecosystem Services*, 14, pp. 67-75, 2015.€96406€

[221] **von Sassen, S., Taubenböck, H.:** *Urbane Fernerkundung*, *GIS-Business*, 4, pp. 38-41, 2015.€102350€

[222] **Wachter, P., Schmidt, C., Wüst, S., Bittner, M.:** *Spatial gravity wave characteristics obtained from multiple OH(3-1) airglow temperature time series*, *Journal of Atmospheric and Solar-Terrestrial Physics*, 135, pp. 192-201, 2015.€100296€

[223] Wang, Z., Skidmore, A., Darvishzadeh, R., **Heiden, U.**, Heurich, M., Wang, T.: *Leaf Nitrogen Content Indirectly Estimated by Leaf Traits Derived From the PROSPECT Model*, *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 8 (6), pp. 3172-3182, 2015.€97655€

[224] White, L., Brisco, B., Dabboor, M., **Schmitt, A.**, Pratt, A.: *A Collection of SAR Methodologies for Monitoring Wetlands*, *Remote Sensing*, 7 (6), pp. 7615-7645, 2015.€96780€

[225] **Wolters, M.**, Sun, Z., Huang, C., **Künzer, C.:** *Vulnerability assessments of coastal river deltas - categorization and review*, *Journal of Coastal Conservation*, 3/2015 (3/2015), pp. 1-24, 2015.€96775€

[226] **Wurm, M., Taubenböck, H.**, Goebel, J., Wagner, G. G.: *At the edge of the city center*, in *Proc. Joint Urban Remote Sensing Event 2015 (JURSE 2015)*, pp. 1-4, 2015.€96198€

[227] Zougrana, B. J., **Conrad, C.**, Amekudzi, L., **Thiel, M.**, Dapola Da, E., **Forkour, G., Löw, F.:** *Multi-Temporal Landsat Images and Ancillary Data for Land Use/Cover Change (LULCC) Detection in the Southwest of Burkina Faso, West Africa*, *Remote Sensing*, 7, pp. 12076-12102, 2015.€103368€

## 2014

[228] **Bernhard, E.-M., Twele, A., Martinis, S.:** *The effect of vegetation type and density on X-band SAR backscatter after forest fires*, *Photogrammetrie, Fernerkundung, Geoinformation*, 4/2014, pp. 275-285, 2014.€90096€

[229] Buzzi, J., Riaza, A., Garcia-Melendez, E., **Weide, S., Bachmann, M.:** *Mapping Changes in a Recovering Mine Site with Hyperspectral Airborne HyMap Imagery (Sotiel, SW Spain)*, *Minerals*, 4, pp. 313-329, 2014.€88865€

[230] Chrysoulakis, N., Feigenwinter, C., Triantakoustantis, D., Penyeyskiy, I., Tal, A., Parlow, E., Fleishmann, G., Düzgün, H. S., **Esch, T., Marconcini, M.:** *Conceptual List of Indicators for Urban Planning and Management based on Earth Observation.*, *ISPRS International Journal of Geo-Information*, 3 (3), pp. 980-1002, 2014.€92461€

[231] **Cord, A., Klein, D., Mora, F., Dech, S.:** *Comparing the suitability of classified land cover data and remote sensing variables for modeling distribution patterns of plants*, *Ecological Modelling*, 272, pp. 129-140, 2014.€85037€

[232] **Dietz, A., Conrad, C., Künzer, C., Gesell, G., Dech, S.:** *Identifying Changing Snow Cover Characteristics in Central Asia between 1986 and 2014 from Remote Sensing Data*, *Remote Sensing*, pp. 12752-12775, 2014.€94501€

[233] Duncan, C., Kretz, D., **Wegmann, M.**, Rabeil, T., Pettorelli, N.: *Oil in the Sahara: mapping anthropogenic threats to Saharan biodiversity from space*, *Philosophical Transactions of the Royal Society B-Biological Sciences*, 369 (1643), pp. 1-12, 2014.€91662€

[234] Einzmann, K., Wai-Tim, N., Immitzer, M., **Bachmann, M., Pinnel, N.**, Atzberger, C.: *Method Analysis for Collecting and Processing in-situ Hyperspectral Needle Reflectance Data for Monitoring Norway Spruce*, *Photogrammetrie*

*Fernerkundung Geoinformation*, pp. 0423-0434, 2014.€91376€

[235] **Eisfelder, C., Klein, I., Niklaus, M., Künzer, C.:** *Net primary productivity in Kazakhstan, its spatio-temporal patterns and relation to meteorological variables*, *Journal of Arid Environments*, 103, pp. 17-30, 2014.€87953€

[236] **Esch, T., Marconcini, M., Marmanis, D., Zeidler, J., Elsayed, S., Metz, A., Müller, A., Dech, S.:** *Dimensioning Urbanization - An Advanced Procedure for Characterizing Human Settlement Properties and Patterns using Spatial Network Analysis.*, *Applied Geography*, 55, pp. 212-228, 2014.€92456€

[237] Fassnacht, F. E., **Latifi, H.**, Ghosh, A., Joshi, P. K., Koch, B.: *Assessing the potential of hyperspectral imagery to map bark beetle-induced tree mortality*, *Remote Sensing of Environment*, 140, pp. 533-548, 2014.€87635€

[238] Fina, S., Krehl, A., Siedentop, S., **Taubenböck, H., Wurm, M.:** *Dichter dran! Neue Möglichkeiten der Vernetzung von Geobasis-, Statistik- und Erdbeobachtungsdaten zur räumlichen Analyse und Visualisierung von Stadtstrukturen mit Dichteoberflächen und -profilen*, *Raumforschung und Raumordnung*, 72 (2), pp. 179-194, 2014.€88686€

[239] **Forkuor, G., Conrad, C., Thiel, M.**, Ullmann, T., Zougrana, E.: *Integration of Optical and Synthetic Aperture Radar Imagery for Improving Crop Mapping in Northwestern Benin, West Africa*, *Remote Sensing*, 2014 (6), pp. 6472-6499, 2014.€95771€

[240] **Fourie, C. E., Schöpfer, E.:** *Data Transformation Functions for Expanded Search Spaces in Geographic Sample Supervised Segment Generation*, *Remote Sensing*, 6 (5), pp. 3791-3821, 2014.€89074€

[241] **Fourie, C. E., Schöpfer, E.:** *Classifier Directed Data Hybridization for Geographic Sample Supervised Segment Generation*, *Remote Sensing*, 6, pp. 11852-11882, 2014.€93087€

[242] **Frey, C., Künzer, C.:** *Land-surface temperature dynamics in the Upper Mekong Basin derived from MODIS time series*, *International Journal of Remote Sensing*, 35 (8), pp. 2780-2798, 2014.€92333€

[243] Früh-Müller, A., **Wegmann, M.**, Koellner, T.: *Flood exposure and settlement expansion since pre-industrial times in 1850 until 2011 in north Bavaria, Germany.*, *Regional Environmental Change*, 15 (1), pp. 183-193, 2014.€92753€

- [244] **Funkenberg, T.**, Tran Thai, B., Moder, F., **Dech, S.**: *The Ha Tien Plain – wetland monitoring using remote-sensing techniques*, International Journal of Remote Sensing, 35 (8), pp. 2893-2909, 2014.€90751€
- [245] **Geiß, C., Taubenböck, H.**, Tyagunov, S., Tisch, A., **Post, J.**, Lakes, T.: *Assessment of Seismic Building Vulnerability from Space*, Earthquake Spectra, 30 (4), pp. 1553-1583, 2014.€94593€
- [246] Greenslade, D. J., Annunziato, A., Babeyko, A. Y., Burbidge, D. R., Ellguth, E., Horspool, N., Kumar, T. Srinivasa, Kumar, C., Moore, C., Rakowsky, N., **Riedlinger, T.**, Ruangrassamee, A., Srivihok, P., Titov, V. V.: *An assessment of the diversity in scenario-based tsunami forecasts for the Indian Ocean*, Continental Shelf Research, 79, pp. 36-45, 2014.€86454€
- [247] Kachelriess, D., **Wegmann, M.**, Gollock, M., Pettorelli, N.: *The application of remote sensing for marine protected area management*, Ecological Indicators, 36, pp. 169-177, 2014.€92751€
- [248] **Kersten, J.**: *Simultaneous feature selection and Gaussian mixture model estimation for supervised classification problems*, Pattern Recognition, 47 (8), pp. 2582-2595, 2014.€88723€
- [249] **Klein, I., Dietz, A., Gessner, U.**, Galayeva, A., Myrzakhmetov, A., **Künzer, C.**: *Evaluation of seasonal water body extents in Central Asia over the past 27 years derived from medium-resolution remote sensing data*, International Journal of Applied Earth Observation and Geoinformation, pp. 335-349, 2014.€84565€
- [250] Klügel, T., **Höppner, K.**, Balss, U., Böhm, J., Braun, M., **Diedrich, E.**, Eineder, M., Falk, R., Gisinger, C., **Henniger, H.**, Humbert, A., Kadler, M., Kühmstedt, E., **Metzig, R.**, Ojha, R., Plötz, C., Reinhold, A., Rülke, A., Schuh, H., Steigenberger, P., Sun, J., Wojdziak, R.: *Earth and space observation at the German Antarctic Receiving Station O'Higgins*, Polar Record, pp. 1-21, doi:10.1017/S0032247414000540, 2014.€91057€
- [251] **Knauer, K., Gessner, U., Dech, S., Künzer, C.**: *Remote sensing of vegetation dynamics in West Africa*, International Journal of Remote Sensing, 35 (17), pp. 6357-6396, 2014.€90752€
- [252] **Künzer, C.**, Beijima, S. v., **Gessner, U., Dech, S.**: *Land surface dynamics and environmental challenges of the Niger Delta, Africa: Remote sensing-based analyses spanning three decades (1986-2013)*, Applied Geography, 53, pp. 354-368, 2014.€90057€
- [253] **Künzer, C., Ottinger, M.**, Liu, G., Sun, B., Baumhauer, R., **Dech, S.**: *Earth observation-based coastal zone monitoring of the Yellow River Delta: Dynamics in China's second largest oil producing region over four decades*, Applied Geography, 55, pp. 92-107, 2014.€90828€
- [254] **Künzer, C., Leinenkugel, P.**, Vollmuth, M., **Dech, S.**: *Comparing global land-cover products – implications for geoscience applications: an investigation for the trans-boundary Mekong Basin*, International Journal of Remote Sensing, 35 (8), pp. 2752-2779, 2014.€97691€
- [255] **Künzer, C.**: *Remote Sensing the Mekong*. International Journal of Remote Sensing, 35 (8), pp. 2747-2751, 2014.€97689€
- [256] **Künzer, C., Ottinger, M., Wegmann, M.**, Guo, H., Wang, C., Zhang, J., **Dech, S.**, Wikelski, M.: *Earth Observation Satellite Sensors for Biodiversity Monitoring: Potentials and Bottlenecks*, International Journal of Remote Sensing, 35 (18), pp. 6599-6647, 2014.€91190€
- [257] **Latifi, H.**, Schumann, B., Kautz, M., **Dech, S.**: *Spatial characterization of bark beetle infestations by a multivariate synergy of SPOT and Landsat imagery*, Environmental Monitoring and Assessment, 186, pp. 441-456, 2014.€84323€
- [258] **Leinenkugel, P., Wolters, M., Künzer, C.**, Oppelt, N.: *Sensitivity analysis for predicting continuous fields of tree cover and fractional land cover distributions in cloud prone areas*, International Journal of Remote Sensing, 35 (8), pp. 2799-2821, 2014.€87986€
- [259] **Leinenkugel, P., Wolters, M.**, Oppelt, N., **Künzer, C.**: *Tree cover and forest cover dynamics in the Mekong Basin from 2001 to 2011*, Remote Sensing of Environment, 158, pp. 376-392, 2014.€93270€
- [260] Lu, L., **Künzer, C.**, Guo, H., Li, Q., Long, T., Li, X.: *A Novel Land Cover Classification Map Based on a MODIS Time-Series in Xinjiang, China*, Remote Sensing, 6 (4), pp. 3387-3408, 2014.€88951€
- [261] Luethje, F., **Kranz, O., Schöpfer, E.**: *Geographic Object-Based Image Analysis Using Optical Satellite Imagery and GIS Data for the Detection of Mining Sites in the Democratic Republic of the Congo*, Remote Sensing, 6 (7), pp. 6636-6661, 2014.€90174€
- [262] Mannschatz, T., Pflug, B., **Borg, E.**, Feger, K.-H., Dietrich, P.: *Uncertainties of LAI estimation from satellite imaging due to atmospheric correction*, Remote Sensing of Environment, 153, pp. 24-39, 2014.€90580€
- [263] **Marconcini, M.**, Fernández-Prieto, D., Buchholz, T.: *Targeted Land Cover Classification*, IEEE Transactions on Geoscience and Remote Sensing, 52 (7), pp. 4173-4193, 2014.€83388€
- [264] **Moser, L., Voigt, S., Schöpfer, E.**, Palmer, S. C.: *Multitemporal Wetland Monitoring in Sub-Saharan West-Africa Using Medium Resolution Optical Satellite Data*, IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 7 (8), pp. 3402-3415, 2014.€90907€
- [265] Naghavi, H., Fallah, A., Shataee, S., **Latifi, H.**, Soosani, J., Ramezani, H., **Conrad, C.**: *Canopy cover estimation across semi-Mediterranean woodlands: application of high-resolution earth observation data*, Journal of Applied Remote Sensing, 8 (3), pp. 1-23, 2014.€92293€
- [266] Pettorelli, N., Laurance, W., O'Brien, T. G., **Wegmann, M.**, Nagendra, H., Turner, W.: *Satellite remote sensing for applied ecologists: opportunities and challenges*, Journal of Applied Ecology, 51 (4), pp. 839-848, 2014.€91663€
- [267] **Plank, S., Mager, A., Schöpfer, E.**: *Monitoring of Oil Exploitation Infrastructure by Combining Unsupervised Pixel-Based Classification of Polarimetric SAR and Object-Based Image Analysis*, Remote Sensing, 6, pp. 11977-12004, 2014.€92999€
- [268] **Plank, S.**: *Rapid Damage Assessment by Means of Multi-Temporal SAR — A Comprehensive Review and Outlook to Sentinel-1*, Remote Sensing, 6, pp. 4870-4906, 2014.€89327€
- [269] Reisin, E. R., Scheer, J., Dyrland, M. E., Sigernes, F., Deehr, C. S., **Schmidt, C., Höppner, K., Bittner, M.**, Gavriljeva, G. A., Stegman, J., Perminov, V. I., Semenov, A. I., Knieling, P., Koppmann, R., Shiokawa, K., Lowe, R. P., Lopez-Gonzalez, M. J., Rodriguez, E., Zhao, Y., Taylor, M. J., Buriti, R. A., Espy, P. J., French, W. J.R., Eichmann, K. U., Burrows, J. P., von Savigny, C.: *Traveling planetary wave activity from mesopause region airglow temperatures determined by the Network for the Detection of Mesospheric Change (NDMC)*, Journal of Atmospheric and Solar-Terrestrial Physics, 119, pp. 71-82, 2014.€90101€
- [270] Riaza, A., Garcia-Melendez, E., Carrère, V., **Müller, A.**: *Cartografía de sales marinas y fluviales en estuarios receptores de aguas ácidas con imágenes hiperspectrales Hyperion (Marismas del río Odiel Huelva)*, Revista de Teledetección, 41, pp. 1-7, 2014.€90111€
- [271] **Rogge, D., Bachmann, M., Rivard, B.**, Aasbjerg Nielsen, A., Feng, J.: *A spatial-spectral*

approach for deriving high signal qualityeigenvektors for remote sensing image transformations, *International Journal of Applied Earth Observation and Geoinformation*, 26, pp. 387-398, 2014.€92957€

[272] **Rogge, D., Rivard, B.**, Segl, K., Grant, B., Feng, J.: *Mapping of NiCu-PGE ore hosting ultramafic rocks using airborne and simulated EnMAP hyperspectral imagery, Nunavik, Canada*, *Remote Sensing of Environment*, 152, pp. 302-317, 2014.€92958€

[273] **Schmidt, M., Klein, D., Conrad, C., Dech, S.**, Paeth, H.: *On the relationship between vegetation and climate in tropical and northern Africa*, *Theoretical and Applied Climatology*, 115, pp. 341-353, 2014.€83462€

[274] **Schmitt, A., Wessel, B., Roth, A.**: *An Innovative Curvelet-only-Based Approach for Automated Change Detection in Multi-Temporal SAR Imagery*, *Remote Sensing*, pp. 2435-2462, 2014.€91721€

[275] **Shahabfar, A.**, Abduwasit, G., **Conrad, C.**: *Understanding Hydrological Repartitioning and Shifts in Drought Regimes in Central and South-West Asia Using MODIS Derived Perpendicular Drought Index and TRMM Data*, *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 7 (3), pp. 983-993, 2014.€88495€

[276] Song, Z., **Künzer, C.**: *Coal fires in China over the last decade: A comprehensive review*, *International Journal of Coal Geology*, 133, pp. 72-99, 2014.€94399€

[277] **Spröhnle, K.**, Tiede, D., **Schöpfer, E.**, Füreder, P., Svanberg, A., Rost, T.: *Earth Observation-Based Dwelling Detection Approaches in a Highly Complex Refugee Camp Environment — A Comparative Study*, *Remote Sensing*, 6, pp. 9277-9297, 2014.€91077€

[278] Stenzel, S., Feilhauer, H., Mack, B., **Metz, A.**, Schmidlein, S.: *Remote sensing of scattered Natura 2000 habitats using a one-class classifier*, *International Journal of Applied Earth Observation and Geoinformation*, 33, pp. 211-217, 2014.€90799€

[279] **Taubenböck, H., Geiß, C.**: *Vulnerability and Resilience Research: A Critical Perspective*, *International Journal of Disaster Risk Science*, 5 (1), pp. 86-87, 2014.€88905€

[280] **Taubenböck, H.**, Kraff, N.: *The physical face of slums: a structural comparison of slums in Mumbai, India, based on remotely sensed data*, *Journal of Housing and the Built Environment*, 29 (1), pp. 15-38, 2014.€88268€

[281] **Taubenböck, H., Wiesner, M., Felbier, A., Marconcini, M., Esch, T., Dech, S.**: *New dimensions of urban landscapes: The spatio-temporal evolution from a polynuclei area to a mega-region based on remote sensing data*, *Applied Geography*, 47, pp. 137-157, 2014.€88048€

[282] Ullmann, T., **Schmitt, A.**, Duffe, J., **Dech, S.**, Hubberten, H.-W., Baumhauer, R.: *Land Cover Characterization and Classification of Arctic Tundra Environments by Means of Polarized Synthetic Aperture X- and C-Band Radar (PolSAR) and Landsat 8 Multispectral Imagery — Richards Island, Canada*, *Remote Sensing*, 6 (9), pp. 8565-8593, 2014.€91723€

[283] **Wegmann, M.**, Santini, L., **Leutner, B.**, Safi, K., Rocchini, D., Bevanda, M., **Latifi, H., Dech, S.**, Rondinini, C.: *Role of African protected areas in maintaining connectivity for large mammals*, *Philosophical Transactions of the Royal Society B-Biological Sciences*, 369 (1643), pp. 1-8, 2014.€91665€

[284] Wohlfahrt, C., **Wegmann, M.**, Leimgruber, P.: *Mapping threatened dry deciduous dipterocarp forest in South-east Asia for conservation management*, *Tropical Conservation Science*, 7 (4), pp. 597-613, 2014.€94597€

[285] **Wurm, M.**, d'Angelo, P., Reinartz, P., **Taubenböck, H.**: *Investigating the Applicability of Cartosat-1 DEMs and Topographic Maps to Localize Large-Area Urban Mass concentrations*, *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 7 (10), pp. 4138-4152, 2014.€92792€

[286] Zabcic, N., **Rivard, B.**, Ong, C., **Müller, A.**: *Using airborne hyperspectral data to characterize the surface pH and mineralogy of pyrite mine tailings*, *International Journal of Applied Earth Observation and Geoinformation*, pp. 152-162, 2014.€89970€

[287] Zhang, B., Zhang, L., Guo, H., **Leinenkugel, P.**, Shen, Q.: *Drought Impact on Vegetation Productivity in the Lower Mekong Basin*, *International Journal of Remote Sensing*, 35 (8), pp. 2835-2856, 2014.€83366€

[288] Zillmann, E., Gonzalez, A., Montero Herrero, E. J., van Wolvelaer, J., **Esch, T., Keil, M.**, Weichelt, H., Garzon, A. M.: *Pan-European Grassland Mapping Using Seasonal Statistics From Multisensor Image Time Series*, *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 7 (8), pp. 3461-3472, 2014.€90691€

[289] Zink, M., Bachmann, M., Bräutigam, B., Fritz, T., Hajnsek, I., Krieger, G., Moreira, A.,

**Wessel, B.**: *TanDEM-X: The New Global DEM Takes Shape*, *IEEE Geoscience and Remote Sensing Magazine (GRSM)*, 2 (2), pp. 8-23, 2014.€91378€

## 2013

[290] **Asam, S.**, Fabritius, H., **Klein, D., Conrad, C., Dech, S.**: *Derivation of leaf area index for grassland within alpine upland using multi-temporal RapidEye data*, *International Journal of Remote Sensing*, 34 (23), pp. 8628-8652, 2013.€87301€

[291] **Baier, F., Erbertseder, T.**, Schwinger, J., Elbern, H.: *Impact of different ozone sounding networks on a 4D-Var stratospheric data assimilation system*, *Quarterly Journal of the Royal Meteorological Society*, 139 (677), pp. 2055-2067, 2013.€86731€

[292] Banks, J. R., Brindley, H. E., Flamant, C., Garay, M. J., Hsu, N. C., Kalashnikova, O. V., **Klüser, L.**, Sayer, A. M.: *Intercomparison of satellite dust retrieval products over the west African Sahara during the Fennec campaign in June 2011*, *Remote Sensing of Environment*, 136, pp. 99-116, 2013.€82554€

[293] Beltman, J. B., Hendriks, C., **Tum, M.**, Schaap, M.: *The impact of large scale biomass production on ozone air pollution in Europe*, *Atmospheric Environment*, 71, pp. 352-363, 2013.€81719€

[294] Buchta, K., **Römer, H.**, Printz, A.: *Spatio-temporal analysis and assessment of humanitarian crises exemplified by the Darfur conflict*, *GIS Science : die Zeitschrift für Geoinformatik*, 3, pp. 104-112, 2013.€84963€

[295] **Conrad, C., Dech, S.**, Hafeez, M., Lamers, J., Tischbein, B.: *Remote sensing and hydrological measurement based irrigation performance assessments in the upper Amu Darya Delta, Central Asia*, *Physics and Chemistry of the Earth*, pp. 52-62, 2013.€83454€

[296] **Conrad, C.**, Rahmann, M., **Machwitz, M.**, Stulina, G., Paeth, H., **Dech, S.**: *Satellite based calculation of spatially distributed crop water requirements for cotton and wheat cultivation in Fergana Valley, Uzbekistan*, *Global and Planetary Change*, pp. 88-98, 2013.€84321€

[297] **Dech, S.**: *A personal perspective on future paths for remote sensing to proceed in earthquake science*, *Natural Hazards*, 68, pp. 197-198, 2013.€83444€

[298] **Dietz, A., Künzer, C., Conrad, C.**: *Snow-cover variability in central Asia between*

- 2000 and 2011 derived from improved MODIS daily snow-cover products, *International Journal of Remote Sensing*, 34 (11), pp. 3879-3902, 2013.€82816€
- [299] Dubovyk, O., Menz, G., **Conrad, C.**, Lamers, J. P., Lee, A., Khamzina, A.: *Spatial targeting of land rehabilitation: a relational analysis of cropland productivity decline in arid Uzbekistan*, *Erdkunde*, 67 (2), pp. 167-181, 2013.€88496€
- [300] Dubovyk, O., Menz, G., **Conrad, C.**, Thonfeld, F., Khamzina, A.: "Object-based identification of vegetation cover decline in irrigated agro-ecosystems in Uzbekistan", *Quaternary International*, 311, pp. 163-174, 2013.€90015€
- [301] **Eisfelder, C., Künzer, C., Dech, S.**, Buchroithner, M. F.: *Comparison of two Remote Sensing based Models for Regional Net Primary Productivity Estimation – a Case Study in Semi-arid Central Kazakhstan*, *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 6 (4), pp. 1843-1856, 2013.€83763€
- [302] **Esch, T., Marconcini, M., Felbier, A., Roth, A., Heldens, W., Huber, M., Schwinger, M., Taubenböck, H., Müller, A., Dech, S.**: *Urban Footprint Processor – Fully Automated Processing Chain Generating Settlement Masks from Global Data of the TanDEM-X Mission*, *IEEE Geoscience and Remote Sensing Letters*, 10 (6), pp. 1617-1621, 2013.€83318€
- [303] **Esch, T., Metz, A., Keil, M., Marconcini, M.**: *Combined Use of Multi-seasonal High and Medium Resolution Satellite Imagery for Parcel-related Updating of Crop- and Grassland Distribution.*, *International Journal of Applied Earth Observation and Geoinformation*, 28, pp. 230-237, 2013.€83316€
- [304] Feng, J., **Rivard, B., Rogge, D.**, Sánchez-Azofeifa, A.: *The longwave infrared (3–14µm) spectral properties of rock encrusting lichens based on laboratory spectra and airborne SEBASS imagery*, *Remote Sensing of Environment*, 131, pp. 173-181, 2013.€80843€
- [305] Fernández-Prieto, D., Kesselmeier, J., Ellis, M., **Marconcini, M.**, Reissell, A., Suni, T.: *Earth observation for land-atmosphere interaction science*, *Biogeosciences*, 10, pp. 261-266, 2013.€83390€
- [306] **Geiß, C., Taubenböck, H.**: *Remote sensing contributing to assess earthquake risk: from a literature review towards a roadmap*, *Natural Hazards*, 68 (1), pp. 7-48, 2013.€83423€
- [307] **Gessner, U., Machwitz, M., Conrad, C., Dech, S.**: *Estimating the fractional cover of growth forms and bare surface in savannas. A multi-resolution approach based on regression tree ensembles*, *Remote Sensing of Environment*, 129, pp. 90-102, 2013.€79611€
- [308] **Gessner, U., Niklaus, M., Künzer, C., Dech, S.**: *Intercomparison of Leaf Area Index Products for a Gradient of Sub-Humid to Arid Environments in West Africa*, *Remote Sensing*, 5, pp. 1235-1257, 2013.€81636€
- [309] **Gessner, U.**; Naeimi, V., **Klein, I., Künzer, C., Klein, D., Dech, S.**: *The relationship between precipitation anomalies and satellite-derived vegetation activity in Central Asia*. *Global and Planetary Change*, 110, pp. 74-87, 2013.€97677€
- [310] Hollmann, R., Merchant, C., Saunders, R., Downy, C., Buchwith, M., Cazenave, A., Chuvieco, E., Defourny, P., de Leeuw, G., Forsberg, R., **Holzer-Popp, T.**, Paul, F., Sadven, S., Sathyendranath, S., van Roozendaal, M., Wagner, W.: *The ESA Climate Change Initiative: satellite data records for essential climate variables*, *Bulletin of the American Meteorological Society*, 11, pp. 1541-1552, 2013.€88101€
- [311] **Holzer-Popp, T.**, de Leeuw, G., Griesfeller, J., **Martynenko, D., Klüser, L.**, Bevan, S., Davies, W., Ducos, F., Deuze, J., Grainger, R. G., Heckel, A., von Hoyningen-Huene, W., Kolmonen, P., Litvinov, P., North, P., Poulson, C., Ramon, D., Siddans, R., Sogacheva, L., Tanre, D., Thomas, G. E., Vountas, M., Declotres, J., Kinne, S., Schulz, M., Pinnock, S.: *Aerosol retrieval experiments in the ESA Aerosol\_cci project*, *Atmospheric Measurement Techniques*, 6, pp. 1919-1957, 2013.€83887€
- [312] Inness, A., **Baier, F.**, Benedetti, A., Bouarar, I., Chabrillat, S., Clark, H., Clerbaux, C., Coheur, P., Engelen, R. J., Errera, Q., Flemming, J., Georg, M., Granier, C., Hadji-Lazaro, J., Huijnen, V., Hurtmans, D., Jones, L., Kaiser, J. W., Kapsomenakis, J., Lefever, K., Leitão, J., Razinguer, M., Richter, A., Schultz, M. G., Simmons, A. J., Suttie, M., Stein, O., Thépaut, J.-N., Thouret, V., Vrekoussis, M., Zerefos, C.: *The MACC reanalysis: an 8 yr data set of atmospheric composition*, *Atmospheric Chemistry and Physics*, 2013 (13), pp. 4073-4109, 2013.€82232€
- [313] Jain, M., Siedentop, S., **Taubenböck, H.**, Namperumal, S.: *From Suburbanization to Counterurbanization? Investigating Urban Dynamics in the National Capital Region Delhi, India*, *Environment and Urbanization Asia*, 4 (2), pp. 247-266, 2013.€85604€
- [314] **Klüser, L., Erbertseder, T., Meyer-Arnek, J.**: *Observation of volcanic ash from Puyehue-Cordon Caulle with IASI*, *Atmospheric Measurement Techniques*, 6, pp. 35-46, 2013.€80353€
- [315] Kraas, B., **Schroedter-Homscheidt, M.**, Madlener, R.: *Economic merits of a state-of-the-art concentrating solar power forecasting system for participation in the Spanish electricity market*, *Solar Energy*, 93, pp. 244-255, 2013.€82514€
- [316] **Künzer, C.**, Guo, H., **Huth, J., Leinenkugel, P.**, Li, X., **Dech, S.**: *Flood Mapping and Flood Dynamics of the Mekong Delta: ENVISAT-ASAR-WSM Based Time Series Analyses*, *Remote Sensing*, 5, pp. 687-715, 2013.€81076€
- [317] **Künzer, C.**, Guo, H., Schlegel, I., Vo Quoc, T., Li, X., **Dech, S.**: *Varying Scale and Capability of Envisat ASAR-WSM, TerraSAR-X Scansar and TerraSAR-X Stripmap Data to Assess Urban Flood Situations: A Case Study of the Mekong Delta in Can Tho Province*, *Remote Sensing*, 5, pp. 5122-5142, 2013.€88028€
- [318] **Künzer, C., Knauer, K.**: *Remote Sensing of Rice Crop Areas – A Review*, *International Journal of Remote Sensing*, 34 (6), pp. 2101-2139, 2013.€82597€
- [319] **Künzer, C.**, Vo Quoc, T.: *Assessing the Ecosystem Services Value of Can Gio Mangrove Biosphere Reserve: Combining Earth-Observation- and Household-Survey-based Analyses*, *Applied Geography*, 45, pp. 167-184, 2013.€88027€
- [320] Lefèvre, M., **Oumbe, A.**, Blanc, P., Espinar, B., Gschwind, B., Qu, Z., Wald, L., **Schroedter-Homscheidt, M.**, Hoyer-Klick, C., Arola, A., Benedetti, A., Kaiser, J., Morcrette, J.-J.: *McClear: a new model estimating downwelling solar radiation at ground level in clear-sky conditions*, *Atmospheric Measurement Techniques*, 6, pp. 3367-3405, 2013.€84165€
- [321] **Leinenkugel, P., Künzer, C., Dech, S.**: *Comparison and enhancement of MODIS cloud mask products for Southeast Asia*, *International Journal of Remote Sensing*, 34 (8), pp. 2730-2748, 2013.€80699€
- [322] **Leinenkugel, P., Künzer, C.**, Oppelt, N., **Dech, S.**: *Characterisation of land surface phenology and land cover based on moderate resolution satellite data in cloud prone areas — A novel product for the Mekong Basin*, *Remote Sensing of Environment*, 136, pp. 180-198, 2013.€83182€
- [323] **Löw, F.**, Ulrich, M., **Dech, S., Conrad, C.**: *Impact of feature selection on the accuracy and spatial uncertainty of per-field crop classification using Support Vector Machines*, *ISPRS Journal of Photogrammetry and Remote Sensing*, 85, pp. 102-119, 2013.€87477€

- [324] **Martinis, S., Twele, A., Strobl, C., Kersten, J., Stein, E.:** *A multi-scale flood monitoring system based on fully automatic MODIS and TerraSAR-X processing chains*, Remote Sensing, pp. 5598-5619, 2013. €85870€
- [325] **Mück, M., Taubenböck, H., Post, J., Wegscheider, S., Strunz, G.,** Sumaryono, S., Ismail, F.: *Assessing building vulnerability to earthquake and tsunami hazard using remotely sensed data*, Natural Hazards, 68 (1), pp. 97-114, 2013. €83440€
- [326] **Naeimi, V., Leinenkugel, P.,** Sabel, D., Wagner, W., Apel, H., **Künzer, C.:** *Evaluation of Soil Moisture Retrieval from the ERS and Metop Scatterometers in the Lower Mekong Basin*, Remote Sensing, 5 (4), pp. 1603-1623, 2013. €83183€
- [327] **Ottinger, M., Künzer, C.,** Liu, G., Wang, S., **Dech, S.:** *Monitoring land cover dynamics in the Yellow River Delta from 1995 to 2010 based on Landsat TM*, Applied Geography, 44, pp. 53-68, 2013. €83365€
- [328] **Pereira, H. M., Ferrier, S., Walters, M., Geller, G. N., Jongman, R. H., Scholes, R. J., Bruford, M. W., Brummitt, N., Butchart, S. H., Cardoso, A. C., Coops, N. C., Dulloo, E., Faith, D. P., Freyhof, J., Gregory, R. D., Heip, C., Höft, R., Hürtt, G., Jetz, W., Karp, D., McGeoch, M. A., Obura, D., Onoda, Y., Pettorelli, N., Reyers, B., Sayre, R., Scharlemann, J. P., Stuart, S. N., Turak, E., Walpole, M., **Wegmann, M.:** *Essential Biodiversity Variables*, Science, 339 (6117), pp. 277-278, 2013. €91668€**
- [329] **Petzold, A., Ogren, J. A., Fiebig, M., Laj, P., Li, S., Baltensperger, U., Holzer-Popp, T., Kinne, S., Pappalardo, G., Sugimoto, N., Wehrli, C., Wiedensohler, A., Zhang, X.:** *Recommendations for the interpretation reporting of "black carbon" measurements*, Atmospheric Chemistry and Physics, 13, pp. 8365-8379, 2013. €83949€
- [330] **Pilger, C., Schmidt, C., Bittner, M.:** *Statistical analysis of infrasound signatures in airglow observations: Indications for acoustic resonance*, Journal of Atmospheric and Solar-Terrestrial Physics, 93, pp. 70-79, 2013. €82181€
- [331] **Pilger, C., Schmidt, C., Streicher, F., Wüst, S., Bittner, M.:** *Airglow observations of orographic, volcanic and meteorological infrasound signatures*, Journal of Atmospheric and Solar-Terrestrial Physics, 104, pp. 55-66, 2013. €84081€
- [332] **Plank, S.,** Singer, J., Thuro, K.: *Assessment of number and distribution of persistent scatterers prior to radar acquisition using open access land cover and topographical data*, ISPRS Journal of Photogrammetry and Remote Sensing, 85, pp. 132-147, 2013. €90306€
- [333] **Quoc, T. V., Oppelt, N., Leinenkugel, P., Künzer, C.:** *Remote Sensing in Mapping Mangrove Ecosystems: An Object-Based Approach*, Remote Sensing, 5 (1), pp. 183-201, 2013. €80450€
- [334] **Renaud, F., Syvitski, J., Sebesvari, Z., Werners, S., Kremer, H., Künzer, C., Ramesh, R., Jeuken, A., Friedrich, J.:** *Tipping from the Holocene to the Anthropocene: How threatened are major world deltas?*, Current Opinion in Environmental Sustainability, 5 (6), pp. 644-654, 2013. €87116€
- [335] **Römer, H., Kersten, J., Kiefl, R., Plattner, S., Mager, A., Voigt, S.:** *Airborne near real-time monitoring of assembly and parking areas in case of large scale public events and natural disasters*, International Journal of Geographical Information Science, 28 (4), pp. 682-699, 2013. €83428€
- [336] **Schmidt, C., Höppner, K., Bittner, M.:** *A ground-based spectrometer equipped with an InGaAs array for routine observations of OH(3-1) rotational temperatures in the mesopause region*, Journal of Atmospheric and Solar-Terrestrial Physics, pp. 125-139, 2013. €83342€
- [337] **Schmitt, A.,** Brisco, B.: *Wetland Monitoring Using the Curvelet-Based Change Detection Method on Polarimetric SAR Imagery*, Water, 5 (3), pp. 1036-1051, 2013. €83312€
- [338] **Schroedter-Homscheidt, M., Oumbe, A., Benedetti, A., Morcrette, J.-J.:** *Aerosols for Concentrating Solar Electricity Production Forecasts: Requirement Quantification and ECMWFIMACC Aerosol Forecast Assessment*, Bulletin of the American Meteorological Society, 94, pp. 903-914, 2013. €83302€
- [339] **Schroedter-Homscheidt, M., Oumbe, A.:** *Validation of an hourly resolved global aerosol model in answer to solar electricity generation information needs*, Atmospheric Chemistry and Physics, pp. 3777-3791, 2013. €81919€
- [340] **Storch, T., Habermeyer, M., Eberle, S., Mühle, H., Müller, R.:** *Towards a Critical Design of an Operational Ground Segment for an Earth Observation Mission*, Journal of Applied Remote Sensing, 7 (1), pp. 1-12, 2013. €81601€
- [341] **Taubenböck, H.,** Goseberg, N., Lämmel, G., Setiadi, N., Schlurmann, T., Nagel, K., Siegert, F., Birkmann, J., Traub, K.-P., **Dech, S.,** Keuck, V., Lehmann, F., **Strunz, G.,** Klüpfel, H.: *Risk Reduction at the "Last-Mile": an attempt to turn science into action by the example of Padang, Indonesia*, Natural Hazards, pp. 915-945, 2013. €81202€
- [342] **Taubenböck, H., Klotz, M., Wurm, M.,** Schmieder, J., Wagner, B., Wooster, M., **Esch, T., Dech, S.:** *Delineation of Central Business Districts in mega city regions using remotely sensed data*, Remote Sensing of Environment, 136, pp. 386-401, 2013. €83030€
- [343] **Taubenböck, H., Strunz, G.:** *Widening a narrow road: remote sensing contributing to the multifaceted problem of earthquake risk reduction*, Natural Hazards, 68 (1), pp. 1-5, 2013. €83422€
- [344] **Tischbein, B., Manschadi, A., Conrad, C.,** Honidge, A.-K., Bhaduri, A., Mehmood, U. H., Lamers, J. P., Awan, U. K., Vlek, P.: *Adapting to water scarcity: constraints and opportunities for improving irrigation management in Khorezm, Uzbekistan*, Water Science and Technology, 13 (2), pp. 337-348, 2013. €88494€
- [345] **Wegscheider, S., Schneiderhan, T., Mager, A., Zwenzner, H., Post, J., Strunz, G.:** *Rapid Mapping in support of emergency response after earthquake events*, Natural Hazards, 68 (1), pp. 181-195, 2013. €83436€
- [346] **Wendt, V., Wüst, S.,** Mlynczak, M. G., Russell III, J. M., Yee, J.-H., **Bittner, M.:** *Impact of atmospheric variability on validation of satellite-based temperature measurements*, Journal of Atmospheric and Solar-Terrestrial Physics, pp. 252-260, 2013. €83326€
- [347] **Wißkirchen, K., Tum, M.,** Günther, K. P., **Niklaus, M., Eisfelder, C.,** Knorr, W.: *Quantifying the carbon uptake by vegetation for Europe on a 1km<sup>2</sup> resolution using a remote sensing driven vegetation model*, Geoscientific Model Development, 6, pp. 1623-1640, 2013. €83337€

#### Other Publications with Full Paper Review

#### 2017

- [348] **Batsaikhan, A., Asam, S., Klein, D., Conrad, C.:** *Analysis of grassland phenology at different site conditions using webcams - A case study in the European Alps*, Journal of the Japan Society of Photogrammetry and Remote Sensing, 56 (4), pp. 137-142, 2017. €115510€

- [349] **Cao, W., Martinis, S., Plank, S.:** *mission and Sentinel-2*, in Proc. 2017 Joint Urban Remote Sensing Event (JURSE), pp. 1-4, 2017.€112506€
- [350] Chrysoulakis, N., **Marconcini, M.**, Gastellu-Etchegorry, J.-P., Grimmond, S., Feigenwinter, C., Lindberg, F., Klostermann, J., Mitraka, Z., **Esch, T.**, Landier, L., Gabey, A., Parlow, E., Olofson, F.: *Anthropogenic Heat Flux Estimation from Space: Results of the second phase of the URBANFLUXES Project*, in Proc. Joint Urban Remote Sensing Event 2017 (JURSE 2017), pp. 1-4, 2017.€114782€
- [351] **Dahms, T.**, Kumar-Babu, D., **Borg, E.**, Schmidt, M., **Conrad, C.:** *Derivation of biophysical parameters from fused remote sensing data*, in Proc. IGARSS, pp. 4374-4377, 2017.€115662€
- [352] Enenkel, M., Papp, A., Veit, E., **Voigt, S.:** *Top-down and bottom-up – A global approach to strengthen local disaster resilience*, in Proc. IEEE Global Humanitarian Technology Conference, 2017, pp. 537-543, 2017.€116544€
- [353] Feigenwinter, C., Parlow, E., Vogt, R., Schmutz, M., Chrysoulakis, N., **Marconcini, M.**, Del Frate, F., Lindberg, F.: *Spatial Distribution of Sensible and Latent Heat Flux in the URBANFLUXES case study city Basel (Switzerland)*, in Proc. Joint Urban Remote Sensing Event 2017 (JURSE2017), pp. 1-4, 2017.€114785€
- [354] Fernandez-Peruchena, C., Gaston, M., **Schroedter-Homscheidt, M.**, Martinez Marco, I., Garcia-Moya, J. A.: *Increasing the Temporal Resolution of Direct Normal Solar Irradiance Forecasted Series*, in Proc. SolarPaces 2016, 1850, pp. 140007-1-140007-8, 2017.€106993€
- [355] **Geiß, C., Wurm, M., Taubenböck, H.:** *Towards large-area morphologic characterization of urban environments using the TanDEM-X*
- [356] Hanrieder, N., Wilbert, S., **Schroedter-Homscheidt, M., Schnell, F.**, Mancera Guevara, D. R., Buck, R., Giuliano, S., Pitz-Paal, R.: *Atmospheric Extinction in Simulation Tools for Solar Tower Plants*, in Proc. SolarPACES 2016, pp. 140011-1-140011-11, 2017.€107040€
- [357] **Heldens, W., Esch, T., Asamer, H.**, Boettcher, M., Brito, F., **Hirner, A., Marconcini, M.**, Mathot, E., **Metz, A.**, Permana, H., Soukop, T., Svaton, V., Vojtek, D., **Zeidler, J.**, Balhar, J.: *Exploiting Earth observation data pools for urban analysis - The TEP URBAN project*, in Proc. SPIE Europe Remote Sensing: Remote Sensing Technologies and Applications in Urban Environments, 10431, pp. 1-8, 2017.€114372€
- [358] Karami, O., Fallah, A., Shataee, S., **Latifi, H.:** *Investigation on the feasibility of mapping of oak forest dieback severity using Worldview-2 satellite data (Case study: Ilam forests)*, Iranian Journal of Forest and Poplar Research, 25 (3), pp. 452-462, 2017.€115525€
- [359] **Klotz, M., Wurm, M., Zhu, X. X., Taubenböck, H.:** *Digital deserts on the ground and from space An experimental spatial analysis combining social network and earth observation data in megacity Mumbai*, in Proc. JURSE 2017, pp. 1-4, 2017.€111484€
- [360] Kuffer, M., Orina, F., Sliuzas, R., **Taubenböck, H.:** *Spatial Patterns of Slums - Comparing African and Asian Cities*, in Proc. Joint Urban Remote Sensing Event (JURSE), pp. 1-4, 2017.€111528€
- [361] Lang, S., **Schoepfer, E.**, Zeil, P., Riedler, B.: *Earth Observation for Humanitarian Assistance*, in Proc. GI\_Forum 2017, pp. 157-165, 2017.€113233€
- [362] **Lechner, K., Nolde, M., Kiefl, R.**, Enenkel, M., Papp, A., Scherkenbach, C.: *Earth Observation for SOS Children's Villages: Deployment of cutting-edge technology to support a humanitarian NGO in emergency*, in Proc. GI Forum, pp. 199-206, 2017.€113242€
- [363] **Leichtle, T., Geiß, C., Wurm, M.**, Lakes, T., **Taubenböck, H.:** *Evaluation of clustering algorithms for unsupervised change detection in VHR remote sensing imagery*, in Proc. Joint Urban Remote Sensing Event (JURSE) 2017, pp. 1-4, 2017.€111485€
- [364] **Marconcini, M., Heldens, W.**, Del Frate, F., Latini, D., Mitraka, Z., Lindberg, C.: *EO-based Products in Support of Urban Heat Fluxes Estimation*, in Proc. Joint Urban Remote Sensing Event 2017 (JURSE2017), pp. 1-4, 2017.€114783€
- [365] **Martinis, S.**, Caspard, M., Plank, S. M., Clandillon, S., Haouet, S.: *Mapping burn scars, fire severity and soil erosion susceptibility in southern France using multisensoral satellite data*, in Proc. International Geoscience and Remote Sensing Symposium (IGARSS) 2017, pp. 1099-1102, 2017.€113627€
- [366] **Martinis, S.:** *Improving flood mapping in arid areas using Sentinel-1 time series data*, in Proc. International Geoscience and Remote Sensing Symposium (IGARSS), 2017, pp. 193-196, 2017.€113636€
- [367] Mitraka, Z., Feigenwinter, C., Chrysoulakis, N., Parlow, E., Grimmond, S., Lindberg, F., Wicki, A., **Marconcini, M.:** *Towards discriminating between zones with different thermal behaviour in cities*, in Proc. Joint Urban Remote Sensing Event 2017 (JURSE2017), pp. 1-4, 2017.€114784€
- [368] Möller, M., Gerstmann, H., **Dahms, T.:** *Phenological NDVI time series for the dynamic derivation of soil coverage information*, in Proc. IGARSS, pp. 1-4, 2017.€115666€

- [369] **Mück, M., Klotz, M., Taubenböck, H.:** *Validation of the DLR Global Urban Footprint in rural areas: A case study for Burkina Faso*, in Proc. Joint Urban Remote Sensing Event (JURSE), pp. 1-4, 2017.€111527€
- [370] Plank, S. M., Jüssi, M., **Martinis, S., Twele, A.:** *Combining polarimetric Sentinel-1 and ALOS-2/PALSAR-2 imagery for mapping of flooded vegetation*, in Proc. IGARSS 2017, pp. 5705-5708, 2017.€113498€
- [371] **Schroedter-Homscheidt, M., Jung, S., Kosmale, M.:** *Classifying 1 Minute Temporal Variability in Global and Direct Normal Irradiances within Each Hour from Ground-Based Measurements*, in Proc. SolarPaces, 1850, pp. 140019-1-140019-5, 2017.€106994€
- [372] **Taubenböck, H., Bauer, P., Geiß, C., Wurm, M.:** *Mega-regions in China - A spatial analysis of settlement patterns using Earth observation data*, in Proc. Joint Urban Remote Sensing Event (JURSE), pp. 1-4, 2017.€111492€
- [373] **Taubenböck, H., Geiß, C.:** *Special Issue: Geospatial data for multiscale mapping and characterization of elements at risk*, Natural Hazards, 86 (1), pp. 1-198, 2017.€111346€
- [374] Tuia, D., Moser, G., **Wurm, M., Taubenböck, H.:** *Land use modeling in North Rhine-Westphalia with interaction and scaling laws*, in Proc. JURSE 2017, pp. 1-4, 2017.€111482€
- [375] **Voigt, S., Lechner, K., Schoepfer, E., Strunz, G.:** *From crisis management to humanitarian technology - a European perspective. Proceedings IEEE Global Humanitarian Technology*, in Proc. IEEE Global Humanitarian Technology Conference, 2017, pp. 244-248, 2017.€116268€
- [376] **Wurm, M., Weigand, M., Schmitt, A., Geiß, C., Taubenböck, H.:** *Exploitation of textural and morphological image features in Sentinel-2A data for slum mapping*, in Proc. JURSE 2017, pp. 1-4, 2017.€111483€
- [377] NV NV
- [378] **Gstaiger, V., d'Angelo, P., Schneiderhan, T., Krauß, T.:** *Crisis DSM Generation to Support Refugee Camp Management*, in Proc. ESA Living Planet Symposium 2013, SP 722, pp. 1-4, 2013.€84553€
- [379] **Krauss, T., d'Angelo, P., Schneider, M., Gstaiger, V.:** *The Fully Automatic Optical Processing System CATENA at DLR*, in Proc. ISPRS Hannover Workshop 2013, XL-1/W, pp. 177-181, 2013.€82545€
- 2016**
- [380] Andreou, C., Halbritter, F., **Rogge, D., Müller, R.:** *Effects of the multiscaled-band partitioning on the abundance estimation*, in Proc. WHISPERS 2016, pp. 1-4, 2016.€105393€
- [381] Barth, B., Mulero Chaves, J., Marchitti, M. A., **Raape, U., Strobl, C., Borràs, M., Vilalta, O., Ballart, H., Vendrell, J., Prat, N., Mendes, M., Ladoire, T., Gardikis, G., Costicoglou, S., Jäckel, K., Van Setten, W.:** *An Open Service Platform for Multi-Hazard in Action - the PHAROS Pilot Demonstration*, in Proc. IT-Rettung 2016, pp. 1775-1789, 2016.€111058€
- [382] Behanzin, I. D., **Thiel, M., Szarzynski, J., Boko, M.:** *GIS-Based Mapping of Flood Vulnerability and Risk in the Bénin Niger River Valley*, International Journal of Geomatics and Geosciences, 6 (3), pp. 1653-1669, 2016.€104112€
- [383] Bogena, H., **Borg, E., Brauer, A., Dietrich, P., Hajnsek, I., Heinrich, I., Kiese, R., Kunkel, R., Kunstmann, H., Merz, B., Priesack, E., Pütz, T., Schmidt, H. P., Wollschläger, U., Vereecken, H., Zacharias, S.:** *TERENO: German network of terrestrial environmental observatories*, Journal of Large-Scale Research Facilities JLSRF, A52 (2), pp. 1-8, 2016.€104334€
- [384] Chow, C., **Twele, A., Martinis, S.:** *An assessment of the 'Height Above Nearest Drainage' terrain descriptor for the thematic enhancement of automatic SAR-based flood monitoring services*, in Proc. SPIE Remote Sensing 2016, 9998, pp. 1-11, 2016.€103635€
- [385] Chrysoulakis, N., **Marconcini, M., Gastellu-Etchegorry, J.-P., Grimmond, S., Feigenwinter, C., Lindberg, F., Del Frate, F., Klostermann, J., Mitraka, Z., Esch, T., Landier, L., Gabey, A., Parlow, E., Olofson, F.:** *Anthropogenic heat flux estimation from space: results of the first phase of the URBANFLUXES project*, in Proc. SPIE Remote Sensing Technologies and Applications in Urban Environments 2016, pp. 1-9, 2016.€108214€
- [386] Cigna, F., Confuorto, P., Novellino, A., Tapete, D., Di Martire, D., Ramondini, M., Calcaterra, D., **Plank, S., Letto, F., Brigante, A., Sowter, A.:** *25 years of satellite InSAR monitoring of ground instability and coastal geohazards in the archaeological site of Capo Colonna, Italy*, in Proc. SPIE Remote Sensing 2016 in Edinburgh, 10003 (100030), pp. 1-14, 2016.€103736€
- [387] **Dahms, T., Seissiger, S., Borg, E., Conrad, C.:** *Modelling biophysical parameters of maize using Landsat 8 time series*, in Proc. International Society for Photogrammetry and Remote Sensing (ISPRS), XLI-B2, pp. 171-175, 2016.€109138€
- [388] Danumah, J. H., Odai, S. N., Saley, B. M., Szarzynski, J., **Thiel, M., Kwaku, A., Kouame, F. K., Akpa, L. Y.:** *Flood risk assessment and mapping in Abidjan district using multi-criteria analysis (AHP) model and geoinformation techniques*, (cote d'ivoire), Geoenvironmental Disasters, 3 (10), pp. 1-13, 2016.€110990€
- [389] **Dimov, D., Kuhn, J., Conrad, C.:** *Assessment of cropping system diversity in the Fergana Valley through image fusion of LANDSAT 8 and SENTINEL-1*, in Proc. XXIII ISPRS Congress, III-7, pp. 173-180, 2016.€109140€
- [390] **Esch, T., Asamer, H., Boettcher, M., Brito, F., Hirner, A., Marconcini, M., Mathot, E., Metz, A., Permana, H., Soukup, T., Stanek, F., Kuchar, S., Zeidler, J., Balhar, J.:** *Earth Observation-Supported Service Platform for the Development and Provision of Thematic Information on the Built Environment - the TEP-Urban Project*, in Proc. XXIII ISPRS Congress 2016, pp. 1-6, 2016.€107950€
- [391] Espinoza-Molina, D., **Manilici, V., Dumitru, C., Reck, C., Cui, S., Rotzoll, H., Hofmann, M., Schwarz, G., Datcu, M.:** *The Earth Observation Image Librarian (EOLIB): The Data Mining Component of the TerraSAR-X Payload Ground Segment*, in Proc. Big Data from Space (BidS'16), pp. 228-231, 2016.€103726€

- [392] **Heinen, T., Buckl, B.,** Giannecchini, S., **Kiemle, S.,** Stephan, M.: *Evolution of Earth Observation Online Data Access*, in Proc. Conference on Big Data from Space - BiDS'16, pp. 31-34, 2016.€103753€
- [393] Hu, J., Ghamisi, P., **Schmitt, A.,** Zhu, X. X.: *Object Based Fusion of Polarimetric SAR and Hyperspectral Imaging for Land Use Classification*, in Proc. WHISPERS 2016, pp. 1-5, 2016.€107553€
- [394] Hu, J., **Schmitt, A.,** Zhu, X. X.: *Dual-Channel PolSAR Speckle Reduction Using Non-Local Means Filter*, in Proc. EUSAR 2016, pp. 235-238, 2016.€104529€
- [395] **Huth, J., Ottinger, M., Eisfelder, C.,** Liu, G., **Künzer, C.:** *Landnutzungswandel im Delta des Gelben Flusses: eine Fernerkundungsanalyse*, Geographische Rundschau, pp. 36-43, 2016.€105377€
- [396] **Jilge, M., Heiden, U., Habermeyer, M.,** Mende, A., Jürgens, C.: *Identifying pure urban image spectra using a learning urban Image spectral archive (LUISA)*, in Proc. SPIE Remote Sensing 2016, 10008, pp. 1-14, 2016.€107372€
- [397] Khare, S., **Latifi, H.,** Ghosh, S. K.: *Phenology Analysis of Forest Vegetation to Environmental Variables during pre-and Post-Monsoon Seasons in Western Himalayan Region of India*, International Archives of Photogrammetry and Remote Sensing, XLI-B2 (214), pp. 15-19, 2016.€109148€
- [398] Kranz, O., **Schoepfer, E., Spröhnle, K.,** Lang, S.: *Object-based image analysis for the assessment of mineral extraction in conflict regions – a case study in the Democratic Republic of the Congo*, in Proc. ISPRS 2016 - XXIII ISPRS Congress, pp. 891-896, 2016.€108092€
- [399] Krieger, G., Moreira, A., Zink, M., Hajnsek, I., Huber, S., Villano, M., Papathanassiou, K., Younis, M., López Dekker, F., Pardini, M., Schulze, D., Bachmann, M., Borla Tridon, D., Reimann, J., Bräutigam, B., Steinbrecher, U., Tienda Herrero, C., Sanjuan-Ferrer, M. J., Zonno, M., Eineder, M., De Zan, F., Parizzi, A., Fritz, T., **Diedrich, E.,** Maurer, E., Münzenmayer, R., Grafmüller, B., Wolters, R., te Hennepe, F., Ernst, R., Bewick, C.: *Tandem-L: Main Results of the Phase A Feasibility Study*, in Proc. IEEE International Geoscience and Remote Sensing Symposium (IGARSS), pp. 1-4, 2016.€107980€
- [400] Landier, L., Al Bitar, A., Lauret, N., Gastellu-Etchegorry, J.-P., Aubert, S., Mitranka, Z., Feigenwinter, C., Parlow, E., **Heldens, W.,** Kotthaus, S., Grimmond, S., Lindberg, F., Chrysoulakis, N.: *3D modeling of radiative transfer and energy balance in urban canopies combined to remote sensing acquisitions*, in Proc. IGARSS 2016, pp. 6738-6741, 2016.€107753€
- [401] Moser, L., **Schmitt, A., Wendleder, A.:** *Automated wetland delineation from multi-frequency and multi-polarized SAR Images in high temporal and spatial resolution*, in Proc. ISPRS Congress, pp. 57-64, 2016.€107608€
- [402] **Ottinger, M.,** Vo, Q. T., **Künzer, C.:** *Aquakultur im Mekong-Delta: Segen oder Fluch?*, Geographische Rundschau, 2, pp. 24-30, 2016.€103047€
- [403] Pettorelli, N., **Wegmann, M.,** Skidmore, A., Múcher, S., Dawson, T. P., Fernandez, M., Lucas, R., Schaepman, M. E., Wang, T., O'Connor, B., Jongman, R., Kempeneers, P., Sonnenschein, R., Leidner, A., **Böhm, M.,** He, K., Nagendra, H., Dubois, G., Fatoyinbo, T., Hansen, M. C., Paganini, M., de Klerk, H., Asner, G. P., Kerr, J. T., Estes, A. B., Schmeller, D. S., **Heiden, U.,** Rocchini, D., Pereira, H. M., Turak, E., Fernandez, N., Lausch, A., Cho, M. A., Alcaraz-Segura, D., McGeoch, M., Turner, W., **Müller, A.,** St-Louis, V., Penner, J., Vihervaara, P., Belward, A., Reyers, B., Geller, G.: *Framing the concept of satellite remote sensing essential biodiversity variables: challenges and future directions*, Remote Sensing in Ecology and Conservation, 2 (3), pp. 122-131, 2016.€104486€
- [404] Richter, A., **Friedl, H.,** Scholz, M.: *Beyond OSM – Alternative Data Sources and Approaches Enhancing Generation of Road Networks for Traffic and Driving Simulations*, in Proc. SUMO2016 - Traffic, Mobility, and Logistics, 30, pp. 23-31, 2016.€102468€
- [405] **Römer, H., Kiefl, R., Henkel, F., Cao, W.,** Nippold, R., Kurz, F., Kippnich, U.: *Using airborne remote sensing to increase situational awareness in civil protection and humanitarian relief - the importance of user involvement*, in Proc. ISPRS XXIII Congress Prague, XLI-B8, pp. 1363-1370, 2016.€100282€
- [406] Tsyganskaya, V., **Martinis, S., Twele, A., Cao, W., Schmitt, A.,** Marzahn, P., Ludwig, R.: *A fuzzy logic-based approach for the detection of flooded vegetation by means of Synthetic Aperture Radar data*, in Proc. ISPRS XXIII Congress, XLI-B7, pp. 371-378, 2016.€103363€
- [407] **Wessel, B., Bertram, A., Gruber, A.,** Bemm, S., **Dech, S.:** *A new high-resolution elevation model of Greenland derived from TanDEM-X*, in Proc. XXIII ISPRS Congress, III-7, pp. 9-16, 2016.€107017€
- [408] **Wessel, B., Breunig, M.,** Bachmann, M., **Huber, M.,** Martone, M., Lachaise, M., Fritz, T., Zink, M.: *Concept and first example of TanDEM-X high-resolution DEM*, in Proc. EUSAR 2016, pp. 554-557, 2016.€107022€
- [409] Ziegler, S., Fa, J. E., Wohlfart, C., Streit, B., Jacob, S., **Wegmann, M.:** *Mapping bushmeat hunting pressure in Central Africa*, Biotropica, 0 (0), pp. 1-8, 2016.€99758€

## 2015

- [410] Andreou, C., **Rogge, D.,** Rivard, B., Müller, R.: *A novel approach for endmember bundle extraction using spectral space splitting*, in Proc. WHISPERS 2015, pp. 1-4, 2015.€98036€
- [411] **Asam, S., Klein, D., Dech, S.:** *Estimation of grassland use intensities based on high spatial resolution LAI time series*, in Proc. 36th International Symposium on Remote Sensing of Environment, XL-7 (W3), pp. 285-291, 2015.€96394€
- [412] Boakye, E. A., N'da Hyppolite, D., Barnes, V. R., Porembski, S., **Thiel, M.,** Kouamé, F. N., Kone, D.: *Threat of agricultural production on woody plant diversity in Tankwidi riparian buffer in the Sudanian Savanna of Ghana*, International Journal of Biodiversity and Conservation, 7 (7), pp. 354-363, 2015.€99054€
- [413] **Cao, W., Martinis, S.:** *SAR-based change detection using hypothesis testing and Markov random field modelling*, in Proc. The 36th International Symposium on Remote Sensing of Environment (ISRSE), XL-7 (W3), pp. 783-790, 2015.€99004€
- [414] Chevrel, S., Jordan, C., **Fischer, C.,** Bendor, E., Schepelmann, P., Hejny, H., Coetzee, H.: *Contribution of Earth Observation in managing environmental and societal impacts during the mining life cycle*, in Proc. Mine Closure 2014, pp. 1-15, 2015.€96893€
- [415] **Fichtelmann, B., Borg, E., Schwarz, E.:** *The Influence of the Time Equation on Remote Sensing Data Interpretation*, in Proc. 36th International Symposium on Remote Sensing of Environment (ISRSE), pp. 195-201, 2015.€97325€
- [416] **Fichtelmann, B., Borg, E.:** *A new approach of geo-rectification for time series satellite data based on a graph-network*, in Proc. 15th International Conference on Computational Science and its Applications - ICCSA 2015, pp. 217-232, 2015.€96935€
- [417] **Fichtelmann, B., Günther, K. P., Borg, E.:** *Adaption of a Self-Learning Algorithm for*



- Dynamic Classification of Water Bodies to SPOT VEGETATION Data*, in Proc. 15th International Conference on Computational Science and its Applications - ICCSA 2015, pp. 177-192, 2015.€96936€
- [418] **Fischer, C., Klein, D., Kerr, G., Stein, E., Lorenz, E., Frauenberger, O., Borg, E.**: *Data Validation and Case Studies using the TET-1 Thermal Infrared Satellite System*, in Proc. 36th International Symposium on Remote Sensing of Environment, pp. 1177-1182, 2015.€96897€
- [419] **Fuchs, E.-M., Stein, E., Strunz, G., Strobl, C., Frey, C.**: *Fire Monitoring - The Use of Medium Resolution Satellites (AVHRR, MODIS, TET) for Long Time Series Processing and the Implementation in User Driven Applications and Services*, in Proc. 36th International Symposium on Remote Sensing of Environment (ISRSE), XL-7, pp. 797-804, 2015.€98875€
- [420] **Marconcini, M., Metz, A., Zeidler, J., Esch, T.**: *Urban Monitoring in Support of Sustainable Cities*, in Proc. 2015 Joint Urban Remote Sensing Event (JURSE), pp. 1-4, 2015.€99955€
- [421] Menenti, M., Li, X., Wang, J., Vereecken, H., Li, J., Mancini, M., Liu, Q., Jia, L., Li, J., **Künzer, C.**, Huang, S., Yesou, H., Wen, J., Kerr, Y., Cheng, X., Gourmelen, N., Ke, C., Ludwig, R., Lin, H., Eineder, M., Ma, Y., Su, Z. B.: *Hydrologic and Cryospheric Processes Observed from Space*, in Proc. 36th International Symposium on Remote Sensing of Environment, XL (7/W3), pp. 1101-1110, 2015.€101043€
- [422] Mulero Chaves, J., **Raape, U.**, Mendes, M., Ladoire, T., Pantazis, S., Podolski, H., Vilalta, O., Van Setten, W., Campo, R.: *Integrated Open Service Platform for Enhanced Risk and Emergency Management: the PHAROS Solution*. In: The International-Emergency-Management-Society 2015 Annual Conference (TIEMS 2015). TIEMS Annual Conference 2015, 30. Sep. - 02. Oct 2015, Rome, Italy.€98993€
- [423] **Plank, S.**, Michael, K., Thuro, K.: *Feasibility Assessment of Landslide Monitoring by Means of SAR Interferometry: A Case Study in the Ötztal Alps, Austria*, in Proc. IAEG XII Congress, 2, pp. 375-378, 2015.€90845€
- [424] Poncet Montages, A., Moser, G., **Taubenböck, H., Wurm, M.**, Tuia, D.: *Classification of urban structural types with multisource data and structured models*, in Proc. Joint Urban Remote Sensing Event 2015 (JURSE 2015), pp. 1-4, 2015.€96197€
- [425] Ruf, H., **Schroedter-Homscheidt, M.**, Beyer, H.-G., Heilscher, G.: *Load flow calculation of a low voltage transformer using satellite-based irradiance data*, in Proc. International ETG Congress 2015 - Die Energiewende, pp. 468-475, 2015.€100765€
- [426] **Schroedter-Homscheidt, M., Gesell, G.**: *Verification of Sectoral Cloud Motion Based Direct Normal Irradiance Nowcasting from Satellite Imagery*, in Proc. SolarPaces 2015, pp. 1-7, 2015.€100761€
- [427] **Schwarz, E., Krause, D., Berg, M., Daedelow, H., Maass, H.**: *Near Real Time Applications for Maritime Situational Awareness*, in Proc. ISRSE36, XL-7, pp. 999-1003, 2015.€101613€
- [428] Sommer, C., **Holzwarth, S., Heiden, U.**, Heurich, M., Müller, J., Mauser, W.: *Feature based tree species classification using hyperspectral and lidar data in the Bavarian Forest National Park*, in Proc. 9th EARSeL Imaging Spectroscopy, pp. 49-70, 2015.€102293€
- [429] Sommer, C., **Holzwarth, S., Heiden, U.**, Heurich, M., Müller, J.: *Merkmalsbasierte Baumartenklassifikation mit flugzeuggestützten Hyperspektral- und LiDAR-Daten für den Nationalpark Bayerischer Wald*, in Proc. Der gepixelte Wald – Reloaded, 214, pp. 73-78, 2015.€99719€
- [430] **Strunz, G., von Sassen, S.**: *Das Copernicus Sentinel Satellitenprogramm: Neue Anwendungsmöglichkeiten für die Erdbeobachtung*, in Proc. 7. Dresdner Flächennutzungssymposium, 67, pp. 163-170, 2015.€100135€
- [431] Triantakou, D., Chrysoulakis, N., Sazonova, A., **Esch, T.**, Feigenwinter, C., Düzgün, S., Parlow, E., **Marconcini, M.**, Tal, A.: *On-line Evaluation of Earth Observation Derived Indicators for Urban Planning and Management*, Urban Planning and Design Research (UPDR), 3, pp. 17-33, 2015.€99808€
- [432] **Wendleder, A.**, Heilig, A., **Schmitt, A.**, Mayer, C.: *Monitoring of wet snow and accumulations at high alpine glaciers using radar technologies*, in Proc. 36th International Symposium on Remote Sensing of Environment, pp. 1063-1068, 2015.€100506€
- 2014**
- [433] Bevanda, M., Horning, N., Reineking, B., Heurich, M., **Wegmann, M.**, Müller, J.: *Adding structure to land cover - using fractional cover to study animal habitat selection*, Movement Ecology, 2 (26), pp. 1-16, 2014.€94599€
- [434] **Borg, E.**, Schiller, C., **Daedelow, H., Fichtelmann, B., Jahncke, D., Renke, F.**, Tamm, H.-P., Asche, H.: *Automated Generation of Value-Added Products for the Validation of Remote Sensing Information Based on In-Situ Data*, in Proc. ICCSA 2014, 8579, pp. 393-407, 2014.€92507€
- [435] **Esch, T., Marconcini, M., Felbier, A., Heldens, W., Roth, A.**: *Adding a new dimension to global urban observations: Inventory of human settlements pattern and urban morphology using VHR SAR data of the TanDEM-X mission*, in Proc. 3rd International Workshop on Earth Observation and Remote Sensing Applications (EORSA), 2014, pp. 176-179, 2014.€92463€
- [436] **Fichtelmann, B., Borg, E.**, Günther, K. P.: *Adaption of a Self-Learning Algorithm for Dynamic Classification of Water Bodies to MERIS Data*, in Proc. ICCSA 2014, pp. 393-407, 2014.€89740€
- [437] Foufoula-Georgiou, E., Overeem, I., Saito, Y., **Dech, S., Künzer, C.**, Goodbred, S., Harrison, I., Anthony, E., Brondizio, E., Hutton, J., Nicholls, R., Matthews, Z., Dearing, J., Lazar, A., Baschieri, A., Newton, A., Ramachandran, R., Renaud, F., Sebesvari, Z., Vorosmarty, C., Tessler, Z., Costa, S., Ahmend, K. M., Rahman, M. M., Lintern, G., Van Cappellen, P., Durr, H., Gao, S., Marchand, M., Bucx, T., Nguyen, V. G., Goichot, M., 2013: *A vision for a coordinated international effort on delta sustainability*. Deltas: Landforms, Ecosystems and Human Activities, Proc. of HP1, IAHS-IAPSO-IAASPEI Assembly, 358, pp. 3-11, 2013.€97693€
- [438] Lefever, K., Van der A, R., **Baier, F.**, Christophe, Y., Errera, Q., Eskes, H., Flemming, J., Inness, A., Jones, L., Lambert, J.-C., Langerock, B., Schultz, M. G., Stein, O., Wagner, A., Chabrilat, S.: *Copernicus atmospheric service for stratospheric ozone: validation and intercomparison of four near real-time analyses, 2009-2012*, Atmospheric Chemistry and Physics Discussions, 14 (12461), pp. 12461-12523, 2014.€90449€
- [439] **Metz, A., Marconcini, M.**: *A novel system for monitoring grassland dynamics based on polarimetric SAR data.*, in Proc. 10th European Conference on Synthetic Aperture Radar 2014, pp. 260-263, 2014.€90804€
- [440] **Schöpfer, E., Lechner, K.**, Rogenhofer, E., **Römer, H.**, Hütten, L., **Mager, A., Spröhnle, K., Voigt, S.**, Papp, A., Comte, E., Ehounou, G.: *Applying satellite imagery and geospatial techniques to explore patterns of Buruli Ulcer prevalence in Central Cameroon*, in Proc. GI-Forum 2014, pp. 217-220, 2014.€90172€

- [441] Siedentop, S., Krehl, A., **Taubenböck, H., Wurm, M.**: *Die bauliche Dichte der Stadtregion - Erzeugung kleinräumiger Dichtedaten mit fernerkundlichen Mitteln*, in Proc. Flächennutzungsmonitoring VI, pp. 1-10, 2014.€92339€
- [442] **Voigt, S., Schöpfer, E., Fourie, C. E., Mager, A.**: *Towards Semi-Automated Satellite Mapping for Humanitarian Situational Awareness*, in Proc. Global Humanitarian Technology Conference (GHTC), 2014 IEEE, pp. 412-416, 2014.€95502€
- [443] **Wendleder, A., Roth, A., Schmitt, A.**: *Monitoring of ice growth on the East channel and on shallow lakes in the Mackenzie Delta*, in Proc. EUSAR 2014, pp. 1-4, 2014.€90119€
- [444] Wey, E., **Schroedter-Homscheidt, M.**: *APOLLO Cloud Product Statistics*, in Proc. SolarPACES 2013 International Conference, 49, pp. 2414-2421, 2014.€92194€
- [445] **Wurm, M., Goebel, J., Taubenböck, H., Wagner, G. G.**: *Erdbeobachtung als Instrument zur Ableitung räumlicher Kontextmerkmale für kleinräumige sozialwissenschaftliche Analysen*, in Proc. Flächennutzungsmonitoring VI, VI, pp. 1-8, 2014.€92336€
- 2013**
- [446] Bliefernicht, J., Kunstmann, H., Hingerl, L., Rumlmer, T., Andresen, S., Mauder, M., Steinbrecher, R., Friess, R., Gochis, D., **Gessner, U.**, Quensah, E., Awotuse, A., Neidl, F., Jahn, C., Barry, B.: *Field- and Simulation Experiments for the Investigating regional Land-Atmosphere Interactions within the West Africa: experimental set-up and first results*, in Proc. IAHS - IAPSO - IASPEI Joint Assembly, pp. 226-232, 2013.€88029€
- [447] **Borg, E., Daedelow, H., Apel, M., Missling, K.-D.**: *RapidEye Science Archive: Remote Sensing Data for the German Scientific Community*, in Proc. RESA, 3, pp. 5-20, 2013.€81718€
- [448] **Borg, E., Fichtelmann, B., Asche, H.**: *Data Usability Processor for Optical Remote Sensing Imagery: Design and Implementation into an Automated Processing Chain*, in Proc. ICCSA, Part II (7972), pp. 635-651, 2013.€83395€
- [449] Chen, Z., Zhang, Y., Guindon, B., **Esch, T., Roth, A., Shang, J.**: *Urban land use mapping using high resolution SAR data based on density analysis and contextual information.*, Canadian Journal of Remote Sensing, 38 (6), pp. 738-749, 2013.€87991€
- [450] **Esch, T., Felbier, A., Heldens, W., Marconcini, M., Roth, A., Taubenböck, H.**: *Spatially Detailed Mapping of Settlement Patterns Using SAR Data of the TanDEM-X Mission*, in Proc. JURSE 2013, pp. 41-44, 2013.€83320€
- [451] **Esch, T., Taubenböck, H., Tal, A., Chrysoulakis, N., Parlow, E., Feigenwinter, C., Düzgün, H. S.**: *Exploiting earth observation in sustainable urban planning and management — The GEOURBAN project*, in Proc. JURSE 2013, pp. 37-40, 2013.€83323€
- [452] **Forkuor, G., Conrad, C., Landmann, T., Thiel, M., Zoungrana, E.**: *Improving agricultural land use mapping in West Africa using multi-temporal Landsat and RapidEye data*, in Proc. 5th RESA Workshop, pp. 57-72, 2013.€90016€
- [453] **Künzer, C.**: *Field Note: Threatening Tonle Sap: Challenges for Southeast-Asia's largest Freshwater Lake*, Pacific Geographies, 40, pp. 29-31, 2013.€83477€
- [454] **Lex, S., Conrad, C., Schorcht, G.**: *Analyzing the seasonal relations between in situ fpar / LAI of cotton and spectral information of RapidEye*, in Proc. 5th RESA Workshop - From the Basics to the Service, pp. 145-155, 2013.€87480€
- [455] **Löw, F., Duveiller, G.**: *Determining suitable image resolutions for accurate supervised crop classification using remote sensing data*, in Proc. SPIE Remote Sensing, pp. 1-15, 2013.€87377€
- [456] Storch, T., **Bachmann, M., Eberle, S., Habermeyer, M., Makasy, C., de Miguel, A., Mühle, H., Müller, R.**: *EnMAP Ground Segment Design: An Overview and its Hyperspectral Image Processing Chain*, in Proc. Earth Observation of Global Changes 2011 (EOGC 2011), pp. 49-62, 2013.€78497€
- [457] **Taubenböck, H., Esch, T., Wurm, M., Heldens, W.**: *Application of RapidEye data for the derivation of urban Geo-information products – an overview of first results*, in Proc. 5th RESA Workshop - From the Basics to the Service, pp. 131-142, 2013.€81818€
- [458] **Taubenböck, H., Klotz, M., Wurm, M., Schmieder, J., Wagner, B., Esch, T.**: *Delimiting Central Business Districts - A physical approach using remote sensing*, in Proc. Joint Urban Remote Sensing Event (JURSE), pp. 17-20, 2013.€82279€
- [459] **Taubenböck, H., Strunz, G.**: *Special Issue: Remote Sensing Contributing to Mapping Earthquake Vulnerability and Effects*, Natural Hazards, 68 (1), pp. 228, 2013.€85609€
- [460] **Tum, M., McCallum, I., Kindermann, G., Günther, K. P.**: *Sustainable Bionergy Potentials for Europe and the Globe*, Geoinformatics & Geostatistics: An Overview, S1, pp. 1-10, 2013.€83335€
- [461] **Wurm, M., Taubenböck, H., Esch, T., Fina, S., Siedentop, S.**: *The changing face of urban growth: An analysis using earth observation data*, in Proc. Joint Urban Remote Sensing Event 2013, pp. 1-4, 2013.€82240€
- Books**
- 2017**
- [462] **Erbertseder, T., Chrysoulakis, N., Zhang, Y., Heldens, W.** (eds.): *Remote Sensing Technologies and Applications in Urban Environments II*, in Proceedings of SPIE, ISBN 978-1-510-6132-63, pp. 1-282. 2017. €119619€
- [463] **Kuenzer, C., Leinenkugel, P., Dech, S.**: *Remote Sensing the Mekong*, Routledge, ISBN 978-0-415-3063-6, pp.1-184, 2017. €112492€
- 2016**
- [464] **Dech, S., Messner, R., Sparwasser, N.**: *m4 Mountains – Die vierte Dimension*, Malik, ISBN 978-3-89029-472-8, pp. 1-240, 2016. € 110946€
- [465] **Erbertseder, T., Esch, T., Chrysoulakis, N.** (eds.): *Remote Sensing Technologies and Applications in Urban Environments*, in Proceedings of SPIE, ISBN 978-1-510-6042-09, pp. 1-386. 2016. €119618€
- [466] **Wegmann, M., Leutner, B., Dech, S.**: *Remote Sensing and GIS for Ecologists: Using Open Source Software*, Pelagic Publishing, pp. 1-352, ISBN 978-1-78427-022-3, 2016.€ 104490€
- 2015**
- [467] **Taubenböck, H., Wurm, M., Esch, T., Dech, S.** (eds): *Globale Urbanisierung – Perspektive aus dem All*, Springer Spektrum, pp. 1-297, ISBN 978-3-662-44840-30, 2015.€97426€

[468] **Künzer, C., Dech, S.,** Wagner, W. (eds.): *Remote Sensing Time Series - Revealing Land Surface Dynamics*, Remote Sensing and Digital Image Processing, Springer International Publishing, pp. 0-441, ISBN 978-3-319-15966-9, 2015.€96776€

## 2013

[469] **Borg, E., Daedelow, H.,** Johnson, R.: *From the Basics to the Service*, GITO mbH Verlag, pp. 1-330, ISBN 978-3-95545-002-1, 2013.€81712€

[470] **Künzer, C., Dech, S.:** *Thermal Infrared Remote Sensing: Sensors, Methods, Applications*, Remote Sensing and Digital Image Processing, Springer, pp. 1-537, ISBN 978-94-007-6638-9, 2013.€94398€

## Book Contributions

### 2017

[471] **Borg, E., Fichtelmann, B.:** *Land-Water Masks: Basis for Automated Pre- and Thematic Processing of Remote Sensing Data*, in: *Geoinformation & Visualisierung : Pionier und Wegbereiter eines neuen Verständnisses von Kartographie und Geoinformatik ; Festschrift anlässlich der Emeritierung von Herrn Prof. Dr. Hartmut Asche im März 2017*, Potsdamer Geographische Praxis, Universitätsverlag Potsdam, pp. 77-99, ISBN 978-3-86956-389-3, 2017.€106053€

[472] **Borg, E., Frauenberger, O., Lorenz, E., Paproth, C., Säuberlich, T., Fischer, C., Klein, D., Fichtelmann, B., Vajen, H.-H.,** Halle, W.: *Validating FireBIRD hot spot detection and fire recognition parameter*. in: *Small Satellites for Earth Observation 11th Symposium of the IAA*. Wissenschaft und Technik Verlag. ISBN 978-89685-576-3., Small Satellites for Earth Observation 11th Symposium of the IAA, Wissenschaft und Technik Verlag, pp. 231-234, ISBN 978-89685-576-3, 2017.€112363€

[473] Cruz López, M. I., **Heiden, U.,** Mora, B.: *Guidance on using remote sensing data and methods - available earth observation data*, in: *A Sourcebook of Methods and Procedures for Monitoring Essential Biodiversity Variables in Tropical Forests with Remote Sensing*, pp. 110-120, 2017.€112267€

[474] **Fichtelmann, B., Borg, E.,** Apel, M., Heinze, M.: *Satellitenbildbeschreibung - Das Orlatal und das Plothener Teichgebiet*, in: *Das Orlatal und das Plothener Teichgebiet - Eine landeskundliche Bestandsaufnahme im Raum Orlamünde, Ranis, Pöbneck, Neustadt an der Orla, Triptis, Auma und Zeulenroda, Landschaften in Deutschland*, Böhlau-Verlag Köln, Weimar, Wien, pp. 8-12, ISBN 978-3-412-20748-9, 2017.€115285€

[475] Fourie, C. E., **Schoepfer, E.:** *Sample Supervised Search-Centric Approaches in Geographic Object-Based Image Analysis*, in: *Earth Observation for Land and Emergency Monitoring*, John Wiley & Sons, Ltd, Chichester, UK, pp. 223-244, ISBN 978-1-118-79379-4, 2017.€112450€

[476] Heinze, M., **Fichtelmann, B., Borg, E.:** *Klima-Das Orlatal und das Plothener Teichgebiet*, in: *Das Orlatal und das Plothener Teichgebiet - Eine landeskundliche Bestandsaufnahme im Raum Orlamünde, Ranis, Pöbneck, Neustadt an der Orla, Triptis, Auma und Zeulenroda (Reihe: Landschaften in Deutschland, Landschaften in Deutschland*, Böhlau-Verlag Köln, Weimar, Wien, pp. 18-21, ISBN 978-3-412-20748-9, 2017.€116114€

[477] Janotte, N., Wilbert, S., Sallaberry, F., **Schroedter-Homscheidt, M.,** Ramirez-Santigosa, L.: *Principles of CSP performance assessment*, in: *The Performance of Concentrated Solar Power (CSP) Systems: Analysis, Measurement and Assessment*, Woodhead Publishing Series in Energy,

Elsevier, pp. 31-64, ISBN 9780081004470, 2017.€113287€

[478] Lucas, R., Vazquez Lule, A., Rodriguez, M. T., Kamal, M., Thomas, N., Asbridge, E., **Künzer, C.:** *Spatial Ecology of Mangroves: A Remote Sensing Perspective.*, in: *Mangrove Ecosystems: A Global Biogeographic Perspective Structure, Function and Services*, Springer Science, pp. 87-112, 2017.€111233€

[479] **Metz-Marconcini, A., Esch, T.:** *"Big Data" aus der Erdbeobachtung - Weltweites Siedlungsmonitoring am Beispiel des Global Urban Footprint*, in: *Flächennutzungsmonitoring IX: Nachhaltigkeit der Siedlungs- und Verkehrsentwicklung?*, IÖR Schriften, Rhombos Verlag, pp. 293-301, ISBN 978-3-944101-73-6, 2017.€117523€

[480] Mora, B., Szantoi, Z., **Heiden, U.:** *Emerging approaches - upcoming earth observation missions*, in: *A Sourcebook of Methods and Procedures for Monitoring Essential Biodiversity Variables in Tropical Forests with Remote Sensing*, pp. 183-189, 2017.€112264€

[481] Moser, L., **Schmitt, A., Voigt, S., Schöpfer, E.:** *Remote Sensing of Wetland Dynamics as Indicators of Water Availability in Semi-arid Africa*, in: *Earth Observation for Land and Emergency Monitoring - Innovative Concepts for Environmental Monitoring from Space*, Earth Observation for Land and Emergency Monitoring, John Wiley And Sons, Incorporated, 2016, pp. 247-284, ISBN 9781118793794, 2017.€98069€

[482] **Schroedter-Homscheidt, M.,** Wilbert, S.: *Methods and instruments under development: Methods to provide meteorological forecasts for optimum CSP System operations*, in: *The Performance of Concentrated Solar Power (CSP) Systems*, Woodhead Publishing Series in Energy, Elsevier, pp. 253-282, ISBN 978-0-08-100447-0, 2017.€113481€

[483] **Strunz, G., Martinis, S., Schöpfer, E.:** *Beiträge der Fernerkundung zur Unterstützung des Katastrophenmanagements und der humanitären Hilfe*, in: Photogrammetrie und Fernerkundung, Handbuch der Geodäsie, Springer Verlag, pp. 805-839, 2017. €105178€

## 2016

[484] Ansel, W., **Zeidler, J., Esch, T.,** Bornholdt, H., Schmid, A., Wahle, H., Reichmann, B., Müller, H., Eisenberg, B., Ludwig, F., Schönle, D.: *Kommunale Gründach-Strategien Inventarisierung, Potentialanalyse, Praxisbeispiele*, in: Deutscher Dachgärtner Verband e. V. (DDV), Deutscher Dachgärtner Verband e. V. (DDV) 2016, Deutscher Dachgärtner Verband e. V. (DDV), pp. 1-48, ISBN 978-3-9814184-2-2, 2016. €104900€

[485] Bevanda, M., Kamran, S., **Wegmann, M., Leutner, B.:** *Introduction to the added value of Animal Movement Analysis and Remote Sensing*, in: Remote Sensing and GIS for Ecologists: Using Open Source Software, Pelagic Publishing, pp. 295-316, ISBN 978-1-78427-022-3, 2016. €111311€

[486] **Borg, E., Fichtelmann, B., Fischer, C.,** Asche, H.: *Design and implementation of data usability processor into an automated processing chain for optical remote sensing data*, in: Leveraging Applications of Formal Methods, Verification, and Validation, Communications in Computer and Information Science, Springer International Publishing AG 2016, pp. 21-37, ISBN 978-3-319-51640-0; 978-3-319-51641-7 (eBook), 2016. €110287€

[487] **Esch, T.,** Bay Hasager, C., Elsner, P., Deutscher, J., Hirschmugl, M., **Metz, A., Roth, A.:** *Support of Wind Resource Modeling using Earth Observation – A European Perspective on the Status and Future Options*, in: Remote Sensing for Sustainability, Taylor & Francis Series in Remote Sensing Applications, CRC Press, Taylor & Francis Group, pp. 297-316, 2016. €107942€

[488] **Esch, T., Tum, M., Metz, A.:** *Earth Observation and its Potential to Implement a Sustainable Energy Supply – A German Perspective*, in: Remote Sensing for Sustainability, Taylor & Francis Group, Boca Raton, Florida, U.S.A., pp. 269-275, 2016. €107944€

[489] **Fichtelmann, B., Borg, E.,** Apel, M.: *Fernerkundliche Darstellung des Untersuchungsgebietes „Hochharz“*, in: Der

Hochharz - Vom Brocken bis in das nördliche Vorland - Eine landeskundliche Bestandsaufnahme im Raum Bad Harzburg, Wernigerode, St. Andreasberg und Elbingerode, Landschaften in Deutschland, Böhlau Verlag Wien, Köln, Weimar, pp. 3-9, ISBN 978-3-412-20467-9, 2016. €103333€

[490] **Fichtelmann, B., Borg, E.,** Villwock, G., Apel, M.: *Das untere Saaletal aus der Satellitenperspektive*, in: Das untere Saaletal – Eine landeskundliche Bestandsaufnahme zwischen Halle und Bernburg, Landschaften in Deutschland, Böhlau Verlag Wien, Köln, Weimar, pp. 4-8, ISBN 978-3-412-22298-7, 2016. €103334€

[491] **Fichtelmann, B.,** Kinder, S., **Borg, E.,** Apel, M., **Fichtelmann, B.,** Kinder, S., **Borg, E.,** Apel, M.: *Die Landschaft des westlichen Havellandes im Satellitenbild*, in: Das Havelland um Rathenow. Eine landeskundliche Bestandsaufnahme im Raum Schollene, Rathenow, Nennhausen, Milow, Premnitz und Garlitz, Landschaften in Deutschland – Werte der deutschen Heimat, Böhlau Verlag Wien, Köln, Weimar, pp. 53-60, ISBN 978-3-412-22297-0, 2016. €111046€

[492] **Fichtelmann, B.,** Kinder, S., **Borg, E.,** Apel, M.: *Die Landschaft des westlichen Havellandes im Satellitenbild*, in: Das Havelland um Rathenow. Eine landeskundliche Bestandsaufnahme im Raum Schollene, Rathenow, Nennhausen, Milow, Premnitz und Garlitz, Landschaften in Deutschland – Werte der deutschen Heimat, Böhlau Verlag Wien, Köln, Weimar, pp. 53-60, ISBN 978-3-412-22297-0, 2016. €111047€

[493] **Gähler, M.:** *Remote Sensing for Natural or Man-Made Disasters and Environmental Changes*, in: Remote Sensing of Environment, InTech, pp. 309-338, ISBN 978-953-51-2444-3, 2016. €104811€

[494] **Günther, K. P., Tum, M.,** Kindermann, G.: *Modellierung von Biomasse-Ressourcen*, in: Meteorologische Aspekte der Nutzung erneuerbarer Energien, promete Meteorologische Fortbildung, 3/4, Deutscher Wetterdienst, pp. 232-241, 2016. €102588€

[495] Hadjimitsis, D., Agapiou, A., Lysandrou, V., Themistocleous, K., Cuca, B., Nisantzi, A., Lasaponara, R., Masini, N., Biscione, M., Nolè, G., Brcic, R., Cerra, D., Eineder, M., **Gessner, U.,** Krauß, T., **Schreier, G.:** *Establishing a Remote Sensing Science Center in Cyprus: First Year of Activities of ATHENA Project*, in: Digital Heritage. Progress in Cultural Heritage: Documentation, Preservation, and Protection, Lecture Notes in Computer Science, Springer International

Publishing, pp. 275-282, ISBN 978-3-319-48973-5, 978-3-319-48974-2, 2016. €108605€

[496] Horning, N., **Leutner, B.,** Bevanda, M., **Wegmann, M.:** *Continuous Land Cover Information*, in: Remote Sensing and GIS for Ecologists: Using Open Source Software, Pelagic Publishing, pp. 209-222, ISBN 978-1-78427-022-3, 2016. €111314€

[497] Horning, N., **Leutner, B., Wegmann, M.:** *Land Cover Change or Change Detection*, in: Remote Sensing and GIS for Ecologists: Using Open Source Software, Pelagic Publishing, pp. 197-208, ISBN 978-1-78427-022-3, 2016. €111315€

[498] Horning, N., **Leutner, B., Wegmann, M.:** *Land Cover or Image Classification Approaches*, in: Remote Sensing and GIS for Ecologists: Using Open Source Software, Pelagic Publishing, pp. 166-196, ISBN 978-1-78427-022-3, 2016. €111316€

[499] Kaufmann, H., Sang, B., Storch, T., Segl, K., Förster, S., Guanter, L., Erhard, M., Heider, B., Hofer, S., Honold, H.-P., Penné, B., **Bachmann, M., Habermeyer, M., Müller, A.,** Müller, R., Rast, M., Staenz, K., Straif, C., Chlebek, C.: *Environmental Mapping and Analysis Program – A German Hyperspectral Mission*, in: Optical Payloads for Space Missions, John Wiley & Sons, pp. 161-182, ISBN 978-1-118-94514-8 (P) 9781118945179 (E), 2016. €102766€

[500] **Künzer, C.,** Moder, F., **Jaspersen, V., Ahrens, M., Fabritius, M., Funkenberg, T., Huth, J.,** Vo Khac, T., Trinh Thi, L., Lam Dao, N., **Dech, S.:** *A Water Related Information System for the Sustainable Development of the Mekong Delta: Experiences of the German-Vietnamese WISDOM Project*, in: Integrated Water Resources Management: Concept, Research and Implementation, Springer, pp. 377-412, ISBN 978-3-319-25069-4, 2016. €105188€

[501] **Künzer, C.,** Moder, F., **Jaspersen, V., Dech, S.:** *A Water related Information System for the Sustainable Development of the Mekong Delta: Experiences of the German-Vietnamese WISDOM Project*, in: Integrated Water Resources Management: Concept, Research and Implementation, Springer International Publishing, pp. 11-22, ISBN 978-3-319-25069-4, 2016. €102014€

[502] **Leutner, B.,** Horning, N., Rocchini, D., **Wegmann, M.:** *Spatial Data and Software*, in: Remote Sensing and GIS for Ecologists: Using Open Source Software, Pelagic Publishing, pp. 11-21, ISBN 978-1-78427-022-3, 2016. €111323€

- [503] **Leutner, B., Wegmann, M.**, Bevanda, M., Horning, N.: *Spatial Data Analysis for Ecologists: First Steps*, in: Remote Sensing and GIS for Ecologists: Using Open Source Software, Pelagic Publishing, pp. 60-113, ISBN 978-1-78427-022-3, 2016.€111320€
- [504] **Leutner, B., Wegmann, M.**: *Pre-Processing Remote Sensing Data*, in: Remote Sensing and GIS for Ecologists: Using Open Source Software, Pelagic Publishing, pp. 114-135, ISBN 978-1-78427-022-3, 2016.€111319€
- [505] **Leutner, B., Wegmann, M.**: *Where to Obtain Spatial Data?*, in: Remote Sensing and GIS for Ecologists: Using Open Source Software, Pelagic Publishing, pp. 40-59, ISBN 978-1-78427-022-3, 2016.€111321€
- [506] **Marconcini, M., Metz, A., Esch, T., Zeidler, J.**: *Earth Observation for Urban and Spatial Planning*, in: Remote Sensing for Sustainability, Taylor & Francis Series in Remote Sensing Applications, CRC Press, pp. 29-43, ISBN 978-1-4987-0071-9, 2016.€108127€
- [507] Pettorelli, N., **Wegmann, M.**, Gurney, L., Dubois, G.: *Monitoring protected areas from space*, in: Protected areas: are they safeguarding biodiversity?, Wiley-Blackwell, pp. 242-259, ISBN 9781118338162, 2016.€104487€
- [508] Rocchini, D., **Leutner, B., Wegmann, M.**: *From Spectral to Ecological Information*, in: Remote Sensing and GIS for Ecologists: Using Open Source Software, Pelagic Publishing, pp. 150-165, ISBN 978-1-78427-022-3, 2016.€111317€
- [509] Roccini, D., **Wegmann, M., Leutner, B.**, Bevanda, M.: *Spatial Land Cover Pattern Analysis*, in: Remote Sensing and GIS for Ecologists: Using Open Source Software, Pelagic Publishing, pp. 244-257, ISBN 978-1-78427-022-3, 2016.€111312€
- [510] **Schroedter-Homscheidt, M.**, Deifel, H., Heinemann, D.: *Grundlagen des Energiesystems für Energiemeteorologen*, in: Energiemeteorologie, PROMET, 3/4, Deutscher Wetterdienst, pp. 138-150, ISBN 2194-5950, 2016.€103103€
- [511] **Strunz, G., Martinis, S., Schöpfer, E.**: *Beiträge der Fernerkundung zur Unterstützung des Katastrophenmanagements und der humanitären Hilfe*, in: Handbuch der Geodäsie, Springer Reference Naturwissenschaften, Springer Berlin Heidelberg, pp. 805-840, 2016.€105178€
- [512] Verbesselt, J., **Loew, F.**, Wohlfart, C., **Wegmann, M.**: *Time Series Analysis*, in: Remote Sensing and GIS for Ecologists, Pelagic Publishing, pp. 223-243, ISBN 9781784270223, 2016.€103479€
- [513] **Voinov, S., Schwarz, E., Krause, D.**: *Automated Processing System for SAR Target Detection and Identification in Near Real Time Applications For Maritime Situational Awareness.*, in: Maritime Knowledge Discovery and Anomaly Detection Workshop Proceedings, Publications Office of the European Union, pp. 66-68, ISBN 978-92-79-61301-2, 2016.€106978€
- [514] **Wegmann, M., Leutner, B.**: *Introduction to Remote Sensing and GIS*, in: Remote Sensing and GIS for Ecologists: Using Open Source Software, Pelagic Publishing, pp. 22-39, ISBN 978-1-78427-022-3, 2016.€111322€
- [515] Wohlfart, C., Bevanda, M., Horning, N., **Leutner, B., Wegmann, M.**: *Field Data for Remote Sensing Data Analysis*, in: Remote Sensing and GIS for Ecologists, Pelagic Publishing, pp. 136-149, ISBN 9781784270223, 2016.€103478€
- [516] Zink, M., Bachmann, M., Bräutigam, B., Fritz, T., Hajnsek, I., Krieger, G., Moreira, A., **Wessel, B.**: *TanDEM-X: Das neue globale Höhenmodell der Erde*, in: Handbuch der Geodäsie, Springer Reference Naturwissenschaften, Springer-Verlag Berlin Heidelberg, pp. 1-30, ISBN 978-3-662-46900-2 (Online), 2016.€104738€
- 2015**
- [517] **Bachmann, M., Tungalagsaikhan, P., Ruppert, T., Dech, S.**: *Calibration and Pre-processing of a Multi-decadal AVHRR Time Series*, in: Remote Sensing Time Series - Revealing Land Surface Dynamics, Springer, pp. 43-74, 2015.€98125€
- [518] Berger, C., Riedel, F., Rosentreter, J., **Stein, E.**, Hese, S., Schmulilius, C.: *Fusion of airborne hyperspectral and LiDAR remote sensing data to study the thermal characteristics of urban environments*, in: Computational Approaches for Urban Environments, Geotechnologies and the Environment, Springer International Publishing, pp. 273-292, ISBN 978-3-319-11469-9, 2015.€100404€
- [519] **Dietz, A., Künzer, C., Dech, S.**: *Analysis of Snow Cover Time Series – Opportunities and Techniques*, in: Remote Sensing Time Series - Revealing Land Surface Dynamics, Springer, pp. 75-99, 2015.€96788€
- [520] **Eisfelder, C., Künzer, C.**: *Investigating Fourteen Years of Net Primary Productivity Based on Remote Sensing Data for China*, in: Remote Sensing Time Series - Revealing Land Surface Dynamics, Springer, pp. 268-288, 2015.€96787€
- [521] **Erbertseder, T., Bergemann, C., Baier, F.**: *Der Wochenrhythmus der Städte – Erfassung anthropogener Aktivitätsmuster aus dem All*, in: Globale Urbanisierung – Perspektive aus dem All, Springer Spektrum, pp. 151-158, ISBN 978-3-662-44840-3, 2015.€97472€
- [522] **Erbertseder, T., Taubenböck, H., Meyer-Arneck, J.**: *Dicke Luft – Stadtregionen als globale Zentren der Luftverschmutzung*, in: Globale Urbanisierung – Perspektive aus dem All, Springer Spektrum, pp. 191-204, ISBN 978-3-662-44840-3, 2015.€97448€
- [523] **Esch, T., Felbier, A., Taubenböck, H., Wurm, M.**: *Die globale Vielfalt urbaner Siedlungsmuster*, in: Globale Urbanisierung – Perspektive aus dem All, Springer Spektrum, pp. 41-48, ISBN 978-3-662-44840-3, 2015.€97436€
- [524] **Esch, T., Heldens, W., Metz, A.**: *Die Erde im Bild - Satelliten als Werkzeug zur Beobachtung der Landoberfläche.*, in: Globale Urbanisierung – Perspektive aus dem All, Springer Spektrum, pp. 23-27, ISBN 978-3-662-44840-3, 2015.€99812€
- [525] **Fichtelmann, B., Borg, E., Apel, M., Müller, M.**: *Leipzig aus der Satellitenperspektive*, in: Leipzig - Eine landeskundliche Bestandsaufnahme im Raum Leipzig, Landschaften in Deutschland, Böhlau Verlag Köln Weimar Wien, pp. 16-17, ISBN 978-3-412-22299-4, 2015.€97229€
- [526] **Frey, C., Künzer, C.**: *Analysing a 13 years MODIS Land Surface Temperature Time Series in the Mekong Basin*, in: Remote Sensing Time Series - Revealing Land Surface Dynamics, Springer, pp. 119-141, 2015.€96784€
- [527] **Geiß, C., Aravena Pelizari, P., Taubenböck, H.**: *Stadt in Gefahr – Erdbeobachtung zur Abschätzung der Folgen von Naturgefahren*, in: Globale Urbanisierung – Perspektive aus dem All, Springer Spektrum, pp. 217-225, ISBN 978-3-662-44840-3, 2015.€97449€
- [528] **Gessner, U., Knauer, K., Künzer, C., Dech, S.**: *Land surface phenology in a West African savannah: impact of land use, land cover and fire*, in: Remote Sensing Time Series -Revealing Land Surface Dynamics, Springer, pp. 203-223, ISBN 978-3-319-15966-9, 2015.€96779€
- [529] **Heldens, W., Esch, T.**: *Versiegelung – schmaler Grat zwischen Belastung und Effizienz*, in: Globale Urbanisierung – Perspektive aus dem

- All, Springer Spektrum, pp. 121-125, ISBN 978-3-662-44841-3, 2015.€99810€
- [530] **Klein, I., Dietz, A., Gessner, U., Künzer, C.:** *Global WaterPack: Intra-Annual Assessment of Spatio-Temporal Variability of Inland Water Bodies*, in: Remote Sensing Time Series - Revealing Land Surface Dynamics, Springer, pp. 99-119, 2015.€96789€
- [531] **Klotz, M., Wurm, M., Taubenböck, H.:** *Der Werkzeugkasten der urbanen Fernerkundung – Daten und Produkte*, in: Globale Urbanisierung – Perspektive aus dem All, Springer Spektrum, pp. 29-40, ISBN 978-3-662-44840-3, 2015.€97435€
- [532] **Klotz, M., Wurm, M., Taubenböck, H.:** *Urbane Strukturen der Macht*, in: Globale Urbanisierung – Perspektive aus dem All, Springer Spektrum, pp. 93-106, ISBN 978-3-662-44840-3, 2015.€97438€
- [533] **Künzer, C., Dech, S., Wagner, W.:** *Remote Sensing Time Series Revealing Land Surface Dynamics: Status Quo and the Pathway Ahead*, in: Remote Sensing Time Series - Revealing Land Surface Dynamics, Springer, pp. 2-25, 2015.€96785€
- [534] **Künzer, C., Huth, J., Martinis, S., Dech, S.:** *SAR Time Series for the Analysis of Inundation Patterns in the Yellow River Delta, China*, in: Remote Sensing Time Series - Revealing Land Surface Dynamics, Springer, pp. 427-441, 2015.€96786€
- [535] **Künzer, C., Zhang, J., Dech, S.:** *Thermal Infrared Remote Sensing: Principles and Theoretical Background*, in: Remote Sensing Handbook, Vol. I: Remotely Sensed Data Characterization, Classification, and Accuracies, CRC Press Taylor and Francis Group, pp. 259-277, ISBN 9781482217865, 2015.€98794€
- [536] **Lehner, S., Schwarz, E., Nyenhuis, M.:** *Satellite based maritime surveillance to increase safety, security and efficiency of ship traffic*, in: Applications of Satellite Earth Observations: Serving Society, Science & Industry - Full Report, pp. 128-130, 2015.€95941€
- [537] **Martinis, S., Künzer, C., Twele, A.:** *Flood studies using Synthetic Aperture Radar data*, in: Remote Sensing Handbook Volume III - Remote Sensing of Water Resources, Disasters, and Urban Studies, Taylor and Francis, pp. 145-173, ISBN 9781482217919, 2015.€97742€
- [538] **Niklaus, M., Eisfelder, C., Gessner, U., Dech, S.:** *Land Degradation in South Africa - A Degradation Index Derived from 10 Years of net Primary Production Data*, in: Remote Sensing Time Series - Revealing Land Surface Dynamics, Springer, pp. 247-267, ISBN 978-3-319-15966-9, 2015.€96781€
- [539] **Oppelt, N., Scheiber, R., Gege, P., Wegmann, M., Taubenböck, H., Berger, M.:** *Fundamentals of remote sensing for terrestrial applications: Evolution, current state of the art, and future possibilities*, in: Remote Sensing Handbook, Vol. I: Remotely Sensed Data Characterization, Classification, and Accuracies, CRC Press, pp. 61-86, ISBN 9781482218015, 2015.€99321€
- [540] **Prakash, A., Künzer, C.:** *Remote Sensing Based Mapping and Monitoring of Coal Fires*, in: Remote Sensing Handbook, Vol. II, II, Remote Sensing of Water Resources, Disasters, and Urban Studies, CRC Press Taylor and Francis Group, pp. 561-581, ISBN 9781482217919, 2015.€98797€
- [541] **Schepaschenko, D., Kraxner, F., See, L., Fuss, S., McCallum, I., Perger, C., Shvidenko, A., Kindermann, G., Frank, S., Tum, M., Schmid, E., Balkovic, J., Günther, K. P.:** *Global biomass information: from data generation to application*, in: Handbook of Clean Energy Systems, Wiley, pp. 11-33, ISBN 9781118991978, 2015.€97086€
- [542] **Schoepfer, E., Spröhnle, K., Aravena Pelizari, P.:** *Temporäre Siedlungen: Wenn aus Flüchtlingslagern Städte werden*, in: Globale Urbanisierung – Perspektive aus dem All, Springer Spektrum, pp. 71-81, ISBN 978-3-662-44840-3, 2015.€97961€
- [543] **Taubenböck, H., Geile, W.:** *Die Morphologie des amerikanischen Traums – ein Ausflug in die Vorstadt*, in: Globale Urbanisierung – Perspektive aus dem All, Springer Spektrum, pp. 253-257, ISBN 978-3-662-44840-3, 2015.€97451€
- [544] **Taubenböck, H., Kehrer, J., Wurm, M.:** *Zu Stein gewordene Philosophien – die Morphologie geplanter Wohnviertel*, in: Globale Urbanisierung – Perspektive aus dem All, Springer Spektrum, pp. 135-150, ISBN 978-3-662-44840-3, 2015.€97439€
- [545] **Taubenböck, H., Kraff, N.:** *Das globale Gesicht urbaner Armut? Siedlungsstrukturen in Slums*, in: Globale Urbanisierung – Perspektive aus dem All, Springer Spektrum, pp. 107-120, ISBN 978-3-662-44840-3, 2015.€97447€
- [546] **Taubenböck, H., Wurm, M., Esch, T., Dech, S.:** *Globale Urbanisierung – Perspektive aus dem All: Der Versuch eines Resümees.*, in: Globale Urbanisierung – Perspektive aus dem All, Springer Spektrum, pp. 289-289, ISBN 978-3-662-44840-3, 2015.€97443€
- [547] **Taubenböck, H., Wurm, M.:** *Die Frucht des Paradieses – Reflexion über den Besuch einer Favela in São Paulo*, in: Globale Urbanisierung – Perspektive aus dem All, Springer Spektrum, pp. 241-248, ISBN 978-3-662-44840-3, 2015.€97442€
- [548] **Taubenböck, H., Wurm, M.:** *Globale Urbanisierung – Markenzeichen des 21. Jahrhunderts*, in: Globale Urbanisierung – Perspektive aus dem All, Springer Spektrum, pp. 5-10, ISBN 978-3-662-44840-3, 2015.€97434€
- [549] **Taubenböck, H., Wurm, M.:** *Ich weiß, dass ich nichts weiß – Bevölkerungsschätzung in der Megacity Mumbai*, in: Globale Urbanisierung – Perspektive aus dem All, Springer Spektrum, pp. 171-178, ISBN 978-3-662-44840-3, 2015.€97440€
- [550] **Taubenböck, H., Wurm, M.:** *Motivation zu diesem Buch*, in: Globale Urbanisierung – Perspektive aus dem All, Springer Spektrum, pp. 1, ISBN 978-3-662-44840-3, 2015.€97433€
- [551] **Taubenböck, H.:** *Die Ruhe vor dem Sturm – Chinas Weg in ein urbanes Zeitalter*, in: Globale Urbanisierung – Perspektive aus dem All, Springer Spektrum, pp. 235-240, ISBN 978-3-662-44840-3, 2015.€97450€
- [552] **Taubenböck, H.:** *Ohne Limit? Die Expansion von Megacities*, in: Globale Urbanisierung – Perspektive aus dem All, Springer Spektrum, pp. 49-58, ISBN 978-3-662-44840-3, 2015.€97445€
- [553] **Wiesner, M., Taubenböck, H.:** *Kompaktheit versus Dispersion: Messung und Bewertung von Siedlungsmustern der Erde*, in: Globale Urbanisierung – Perspektive aus dem All, Springer Spektrum, pp. 59-70, ISBN 978-3-662-44840-3, 2015.€97446€
- [554] **Wurm, M., Goebel, J., Taubenböck, H., Wagner, G. G.:** *Am Ende der Kernstadt – ein Versuch der Abgrenzung des Physischen durch das Subjektive*, in: Globale Urbanisierung – Perspektive aus dem All, Springer Spektrum, pp. 179-190, ISBN 978-3-662-44840-3, 2015.€97430€
- [555] **Wurm, M., Taubenböck, H.:** *Die Morphologie deutscher Großstädte: Was die Dichte über die Struktur der Städte verrät*, in: Globale Urbanisierung – Perspektive aus dem All, Springer Spektrum, pp. 127-134, ISBN 978-3-662-44840-3, 2015.€97427€
- [556] **Wurm, M., Taubenböck, H.:** *Hier spielt die Musik! Räumlich differenziertes Siedlungswachstum in deutschen Ballungsräumen*, in: Globale Urbanisierung – Perspektive aus dem

All, Springer Spektrum, pp. 83-92, ISBN 978-3-662-44840-3, 2015.€97429€

[557] **Wüst, S., Kramer, R., Bittner, M.:** *Beitrag zur Verbesserung der Prognosegüte von Vb-Wetterlagen*, in: Klima-Report Bayern 2015: Klimawandel, Auswirkungen, Anpassungs- und Forschungsaktivitäten, deVega Medien GmbH, pp. 37-37, 2015.€101197€

## 2014

[558] **Esch, T., Marconcini, M., Felbier, A., Roth, A., Taubenböck, H.:** *Mapping Global Human Settlements Pattern Using SAR Data Acquired by the TanDEM-X Mission*, in: Global Urban Monitoring and Assessment through Earth Observation Series in Remote Sensing Applications, Taylor & Francis, pp. 83-96, ISBN 978-1466564497, 2014.€90307€

[559] **Esch, T., Metz, A., Marconcini, M., Keil, M.:** *Differentiation of Crop Types and Grassland by Multi-Scale Analysis of Seasonal Satellite Data*, in: Land use & land cover mapping in Europe: Current practice, trends and future, Remote Sensing and Digital Image Processing, Springer, pp. 53-64, ISBN 978-94-007-7969-3, 2014.€88607€

[560] Goseberg, N., Lämmel, G., **Taubenböck, H.**, Setiadi, N., Birkmann, J., Schlurmann, T.: *The Last-Mile Evacuation project: A multi-disciplinary to evacuation planning and risk reduction in tsunami-threatened coastal areas*, in: Early Warning for Geological Disasters - Scientific Methods and Current Practice, Advanced Technologies in Earth Sciences, XV, Springer, pp. 207-226, ISBN 978-3-642-12232-3, 2014.€88703€

[561] **Klein, I., Gessner, U., Künzer, C.:** *Generation of Up to Date Land Cover Maps for Central Asia*, in: Novel Measurement and Assessment Tools for Monitoring and Management of Land and Water Resources in Agricultural Landscapes of Central Asia, Environmental Science and Engineering, Springer International Publishing, pp. 329-346, ISBN 978-3-319-01016-8, 2014.€84564€

[562] Kubanek, J., Nolte, E.-M., **Taubenböck, H.**, Wenzel, F., Kappas, M.: *Capacities of Remote Sensing for Population Estimation in Urban Areas*, in: Earthquake Hazard Impact and Urban Planning, Environmental Hazards, Springer Netherlands, pp. 45-66, ISBN 978-94-007-7980-8, 2014.€88587€

[563] **Künzer, C., Frey, C., Zhang, J.:** *Kohleflözbrände im internationalen Kontext: Ursachen, Auswirkungen und geowissenschaftliche Methoden der Detektion und nachhaltigen*

*Überwachung*, in: Mitteilungen, Neue Folge Band 71 2014, Mitteilungen der Naturforschenden Gesellschaft in Bern, pp. 99-110, 2014.€90071€

[564] **Künzer, C.:** *Remote and In Situ Mapping of Coal Fires: Case Studies from China and India*, in: Coal and Peat Fires: A Global Perspective. Volume 3: Case Studies – Coal Fires, Elsevier Engineering Geology Series, Elsevier, pp. 57-93, ISBN 9780444595096, 2014.€94393€

[565] Sigurðsson, O., Williams, R. S., **Martinis, S.**, Münzer, U.: *Remote sensing of mountain glaciers and ice caps in Iceland*, in: Global land ice measurements from space, Springer Praxis Books, pp. 409-425, ISBN 978-3-540-79817-0, 2014.€90062€

[566] Stracher, G., Schroeder, P., White, Y., **Künzer, C.:** *Coal Combustion and Mineralization in the Helen Shan Mountains of Northern China*, in: Coal and Peat Fires: A Global Perspective. Volume 3: Case Studies - Coal Fires, Elsevier Engineering Geology Series, Elsevier, pp. 95-108, ISBN 9780444595096, 2014.€94396€

[567] **Taubenböck, H., Esch, T., Wiesner, M., Felbier, A., Marconcini, M., Roth, A., Dech, S.:** *Spatial dynamics and patterns of urbanization: The example of Chinese megacities using multitemporal EO data*, in: Global Urban Monitoring and Assessment through Earth Observation, Series in Remote Sensing Applications, Taylor & Francis, pp. 171-194, ISBN 978-1466564497, 2014.€89337€

[568] **Taubenböck, H., Geiß, C., Wieland, M., Pittore, M., Saito, K., So, E., Eineder, M.:** *The Capabilities of Earth Observation to Contribute along the Risk Cycle*, in: Earthquake Hazard, Risk and Disasters, Hazards and Disasters Series, Elsevier, pp. 25-53, ISBN 978-0-12-394848-9, 2014.€89755€

[569] Weng, Q., **Esch, T.**, Gamba, P., Quattrochi, D., Xian, G.: *Global Urban Observation and Information: GEO's Effort to Address the Impacts of Human Settlements*, in: Global Urban Monitoring and Assessment through Earth Observation, Series in Remote Sensing Applications, CRC Press, pp. 15-34, ISBN 978-1466564497, 2014.€90692€

[570] Weng, Q., Gamba, P., Mountrakis, G., Pesaresi, M., Lu, L., Kemper, T., Heinzl, J., Xian, G., Jin, H., Miyazaki, H., Xu, B., Quresh, S., Keramitsoglou, I., Ban, Y., **Esch, T.**, Elvidge, C. D.: *Urban Observing Sensors*, in: Global Urban Monitoring and Assessment through Earth Observation, Remote Sensing Applications Series, CRC Press, pp. 49-82, ISBN 978-1466564497, 2014.€92483€

## 2013

[571] **Esch, T., Tum, M.:** *Einsatzmöglichkeiten der Erdbeobachtung auf dem Weg zur Umsetzung einer nachhaltigen Energieversorgung*, in: Flächennutzungsmonitoring V: Methodik - Analyseergebnisse - Flächenmanagement, IÖR Schriften, Rhombos-Verlag Berlin, 8 p., ISBN 978-3-944101-18-7, 2013.€83324€

[572] **Fichtelmann, B., Borg, E., Apel, M.:** *Eiderstedt - Eine landeskundliche Bestandsaufnahme - Satellitenbildbeschreibung*, in: Eiderstedt - Eine landeskundliche Bestandsaufnahme im Raum St. Peter-Ording, Garding, Tönning und Friedrichstadt, hrsg. im Auftrag des Leibniz-Instituts für Länderkunde und der Sächsischen Akademie der Wissenschaften zu Leipzig, Landschaften in Deutschland. Werte der deutschen Heimat, Böhlau Verlag, Köln, Weimar, Wien, pp. 50-56, ISBN 978-3-412-09906-0, 2013.€83544€

[573] **Frey, C., Künzer, C., Dech, S.:** *Cross-comparison of daily land surface temperature products from NOAA-AVHRR and MODIS*, in: Thermal Infrared Remote Sensing – Sensors, Methods, Applications, Remote Sensing and Digital Image Processing Series, Springer, pp. 215-231, ISBN 978-94-007-6638-9, 2013.€83161€

[574] Glaser, R., **Dech, S.:** *Globaler Wandel aus dem All*, in: Nova Acta Leopoldina, 400, Wissenschaftliche Verlagsgesellschaft Stuttgart, pp. 11-31, ISBN 978-3-8047-3210-0, 2013.€85504€

[575] **Heldens, W., Taubenböck, H., Esch, T., Heiden, U., Wurm, M.:** *Analysis of Surface Thermal Patterns in Relation to Urban Structure Types: A Case Study for the City of Munich*, in: Thermal Infrared Remote Sensing - Sensors, Methods, Applications, Remote Sensing and Digital Image Processing, Springer, pp. 475-494, ISBN 978-94-007-6638-9, 2013.€83416€

[576] **Künzer, C., Dech, S.:** *Theoretical Background of Thermal Infrared Remote Sensing*, in: Thermal Infrared Remote Sensing – Sensors, Methods, Applications, Remote Sensing and Digital Image Processing Series, Springer, pp. 1-26, ISBN 978-94-007-6638-9, 2013.€83160€

[577] **Künzer, C., Gessner, U., Wagner, W.:** *Deriving Soil Moisture from thermal Infrared Satellite Data – Synergies with Microwave Data*, in: Thermal Infrared Remote Sensing – Sensors, Methods, Applications, Remote Sensing and Digital Image Processing Series, Springer, pp. 315-330, ISBN 978-94-007-6638-9, 2013.€83158€

- [578] **Künzer, C.**, Guo, H., **Ottinger, M.**, **Dech, S.**: *Spaceborne Thermal Infrared Observation - An Overview of Most Frequently Used Sensors for Applied Research*, in: Thermal Infrared Remote Sensing – Sensors, Methods, Applications, Remote Sensing and Digital Image Processing Series, Springer, pp. 131-148, ISBN 978-94-007-6638-9, 2013.€83156€
- [579] **Künzer, C.**, Zhang, J., Tetzlaff, A., **Dech, S.**: *Thermal Infrared Remote Sensing of Surface and underground Coal Fires*, in: Thermal Infrared Remote Sensing – Sensors, Methods, Applications, Remote Sensing and Digital Image Processing Series, Springer, pp. 429-451, ISBN 978-94-007-6638-9, 2013.€83159€
- [580] **Tum, M.**, Günther, K. P., Kappas, M.: *A Process-Based Vegetation Model for Estimating Agricultural Bioenergy Potentials*, in: Sustainable Bioenergy Production - An Integrated Approach, Springer, pp. 97-110, ISBN 978-94-007-6641-9, 2013.€83331€
- Other Publications**
- 2017**
- [581] **Batsaikhan, A.**, **Conrad, C.**, **Asam, S.**, **Klein, D.**: *Analyzing the impact of snowmelt timing on grassland green-up dates in the European Alps using webcams*, in Proc. Japan Society of Photogrammetry and Remote Sensing (JSPRS) Fall Conference 2017, pp. 45-46, 2017.€115958€
- [582] **Borg, E.**, **Frauenberger, O.**, **Fichtelmann, B.**, **Fischer, C.**, Paproth, C., **Daedelow, H.**, **Renke, F.**, **Vajen, H.-H.**, **Richter, J.**, Kerr, G. H., Lorenz, E., **Klein, D.**, Bumberger, J., Dietrich, P., Scherthanner, H.: *High Temperature Fire Experiment for TET and LANDSAT 8 in Test Site DEMMIN (Germany)*, in Proc. 17th International Conference on Computational Science and Applications (ICCSA 2017), 10407, pp. 121-136, 2017.€112760€
- [583] Carmona, E., Avbelj, J., Alonso, K., **Bachmann, M.**, Cerra, D., Eckardt, A., Gerasch, B., Graham, L., Günther, B., **Heiden, U.**, Kerr, G., Knodt, U., Krutz, D., Krawczyk, H., Makarau, A., Miller, R., Müller, R., Perkins, R., Walter, I.: *Data Processing for the space-based DESIS Hyperspectral Sensor*, in Proc. ISPRS Hannover Workshop 2017, XLII (1/W1), pp. 271-277, 2017.€116618€
- [584] Confuorto, P., Angrisani, A., Di Martire, D., Infante, D., Novellino, A., **Plank, S.**, Ramondini, M., Calcaterra, D.: *A Combined Procedure Using Satellite-Based Differential SAR Interferometry And Field Measurements For Landslide Characterization In Small Urban Settings*, in Proc. FRINGE 2017, pp. 1-8, 2017.€113524€
- [585] **Dimov, D.**, **Löw, F.**, Ibrakhimov, M., **Schönbrodt-Stitt, S.**, **Conrad, C.**: *Feature extraction and machine learning for the classification of active cropland in the Aral Sea Basin*, in Proc. 2017 IEEE International Geoscience and Remote Sensing Symposium, pp. 1-4, 2017.€115961€
- [586] **Dimov, D.**, **Löw, F.**, Ibrakhimov, M., Stulina, G., **Conrad, C.**: *SAR and optical time series for crop classification*, in Proc. 2017 IEEE International Geoscience and Remote Sensing Symposium, pp. 1-4, 2017.€115960€
- [587] **Erbertseeder, T.**, **Bergemann, C.**, **Taubenböck, H.**, **Baier, F.**: *Analysis of NO2 pollution in megacities by Earth Observation*. International Air Quality Conference, 14.-18. March 2016, Milan, Italy. €111136€
- [588] **Esch, T.**, **Asamer, H.**, Balhar, J., Boettcher, M., Boissier, E., **Hirner, A.**, Mathot, E., **Marconcini, M.**, **Metz, A.**, Permana, H., Soukup, T., **Üreyen, S.**, Svaton, V., **Zeidler, J.**: *Monitoring Urbanization with Big Data from Space - The Urban Thematic Exploitation Platform*, in Proc. Conference on Big Data from Space - BiDS'17, pp. 1-2, 2017.€116446€
- [589] Estevam Schmiedt, J., Cerra, D., Dahlke, D., Dill, S., Ge, N., Göttsche, J., Haas, A., **Heiden, U.**, Israel, M., Kurz, F., Linkiewicz, M., Patel, D., Peichl, M., Plattner, S., Pless, S., Schiricke, B., Schorn, C., Tiddens, A., Zhu, X. X.: *Remote sensing techniques for building models and energy performance studies of buildings*, in Proc. EBC Annex 71: Building energy performance assessment based on in-situ measurements, pp. 1-9, 2017.€113114€
- [590] Immitzer, M., Einzmann, K., **Pinnel, N.**, Seitz, R., Atzberger, C.: *Ferndiagnose mittels Satellit und Flugzeug - "Vitree" erfasst die Vitalität von Fichten aus der Luft*, LWF Waldforschung Aktuell, 117 (4), pp. 22-25, 2017.€114503€
- [591] **Knöfel, P.**, **Dahms, T.**, **Borg, E.**, **Conrad, C.**: *Classification of agricultural land use and derivation of biophysical parameter using SAR and optical data*, in Proc. 37. GIL-Jahrestagung, pp. 77-80, 2017.€116956€
- [592] Kumar-Babu, D., Kaufmann, C., Schmidt, M., **Dahms, T.**, **Conrad, C.**: *Autonomous Time Series Generation of High Spatial Resolution Images - A Feasibility Study*, in Proc. 68th International Astronautical Congress IAC, pp. 1-7, 2017.€115667€
- [593] Kumar-Babu, D., Kaufmann, C., Schmidt, M., **Dahms, T.**, **Conrad, C.**: *Semi-Autonomous Remote Sensing Time Series Generation Tool*, in Proc. SPIE, pp. 1-16, 2017.€116786€
- [594] **Marmanis, D.**, Yao, W., **Adam, F.**, Datcu, M., Reinartz, P., Schindler, K., Wegner, J. D., Stilla, U.: *Artificial generation of big data for improving image classification: a generative adversarial network approach on SAR data*, in Proc. Big data from space 2017, pp. 1-4, 2017.€117831€
- [595] **Molch, K.**, **Müller, A.**, **Reck, C.**, Keuck, V.: *Nationale Copernicus Data and Exploitation Platform im DLR - Sachstand und Schnittstelle zur GDI-DE und zum Deutschen Satellitendatenarchiv*, in Proc. Geoinformationssysteme 2017 - Beiträge zur 4. Münchner GI-Runde, pp. 100-108, 2017.€111248€



- [596] **Nolde, M., Plank, S., Strobl, C., Klein, D., Fischer, C.,** Herekakis, T., Papoutsis, I., Kontoes, C., **Riedlinger, T.:** *Application of Level Set Methods for burned area mapping and evaluation against DLRs TET-1 hotspot data - a case study in Portugal*, in Proc. EARSeL SIG 2017, pp. 1-4, 2017.€115346€
- [597] Schernthanner, H., Steppan, S., Kuntzsch, C., **Borg, E.,** Asche, H.: *Automated web-based geoprocessing of rental prices*, in Proc. International Conference on Computational Science and Applications - ICCSA 2017, pp. 512-524, 2017.€112359€
- 2016**
- [598] Agapiou, A., Lysandrou, V., Themistocleous, K., Lasaponara, R., Masini, N., Krauß, T., Cerra, D., **Gessner, U., Schreier, G.,** Hadjimitsis, D. G.: *Searching data for supporting archaeolandscape in Cyprus: an overview of aerial, satellite and cartographic datasets of the island*, in Proc. 4th International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2016), pp. 1-10, 2016.€111179€
- [599] **Babu, D. K.,** Schmidt, M., **Dahms, T., Conrad, C.:** *Impact on quality and processing time due to change in pre-processing operation sequence on moderate Resolution satellite images*, in Proc. 67th International Astronautical Congress (IAC), pp. 1-8, 2016.€110994€
- [600] **Baier, F.,** Vogel, J.: *obsAIRveYourBusiness*, in Proc. European Space Solutions Conference, pp. 1-24, 2016.€107620€
- [601] **Bertram, A., Wendleder, A., Schmitt, A., Huber, M.:** *Long-term Monitoring of water dynamics in the Sahel region using the Multi-SAR-System*, in Proc. ISPRS Congress, pp. 1-8, 2016.€107607€
- [602] Cerra, D., Tian, J., Lysandrou, V., **Plank, S.:** *Automatic Damage Detection for Sensitive Cultural Heritage Sites*, in Proc. ISPRS 2016, pp. 215-219, 2016.€105143€
- [603] Chrysoulakis, N., **Heldens, W.,** Gastellu-Etchegorry, J.-P., Grimmond, S., Feigenwinter, C., Lindberg, F., Del Frate, F., Klostermann, J., Mitraka, Z., **Esch, T.,** Albitar, A., Gabey, A., Parlow, E., Olofson, F.: *A novel approach for anthropogenic heat flux estimation from space*, in Proc. IGARSS 2016, pp. 6774-6777, 2016.€107754€
- [604] **Daedelow, H., Schwarz, E., Voinov, S.:** *Near Real Time Applications to retrieve Wind Products for Maritime Situational Awareness*, in Proc. DLRK 2016, pp. 1-23, 2016.€107890€
- [605] **Esch, T., Asamer, H.,** Boettcher, M., Brito, F., **Hirner, A., Marconcini, M.,** Mathot, E., **Metz, A.,** Permana, H., Soukop, T., Stanek, F., Kuchar, S., **Zeidler, J.:** *Earth observation-based service platforms - a new instrument to provide geo-information for urban and regional planning*, in Proc. IGARSS 2016, pp. 1774-1777, 2016.€107958€
- [606] **Esch, T., Asamer, H., Hirner, A., Marconcini, M., Metz, A., Zeidler, J.,** Boettcher, M., Permana, H., Mathot, E., Pacini, F., Boisser, E., Soukup, T., Balhar, J., Kuchar, S., Stanek, F.: *Urban Thematic Exploitation Platform – A Novel Concept for the Exploration of Earth Observation Data and Derived Thematic Information Products for Urban Studies*, in Proc. EO Open Science 2016 Conference, pp. 1-2, 2016.€107954€
- [607] **Gähler, M., Schneiderhan, T.,** Meier, H.-D.: *Fernerkundung - der Blick aus dem Weltraum*, PVT - Polizei Verkehr + Technik, pp. 20-23, 2016.€103664€
- [608] Gstaiger, V., Nippold, R., **Kiefl, R.:** *Forschungsprojekt VABENE++: Verkehrsmanagement bei Großereignissen und Katastrophen*, Im Einsatz, pp. 34-36, 2016.€107552€
- [609] Guanter, L., Segl, K., Foerster, S., Hollstein, A., Rossner, G., Chlebek, C., Storch, T., **Heiden, U., Müller, A.,** Müller, R., Sang, B.: *Overview of the EnMAP Imaging Spectroscopy Mission*, in Proc. IGARSS 2016, pp. 261-263, 2016.€107420€
- [610] **Heiden, U., Rogge, D., Schmitt, A., Bachmann, M., Bauer, A.,** Bayer, A.: *Contribution of Earth Observation to soil information derivation in the biodiversity context*, in Proc. GEO BON Science Meeting, pp. 1-3, 2016.€110402€
- [611] Huber, C., Clandillon, S., **Martinis, S., Twele, A., Plank, S.,** Maxant, J., **Cao, W.,** Haouet, S., Yesou, H., May, S.: *IMPROVING THE EXTRACTION OF CRISIS INFORMATION IN THE CONTEXT OF FLOOD, LANDSLIDE, AND FIRE RAPID MAPPING USING SAR AND OPTICAL REMOTE SENSING DATA*, in Proc. IGARSS 2016, pp. 1-5, 2016.€105347€
- [612] Jung, B., **Schreier, G., Strunz, G.:** *Sehen, was nicht verborgen bleiben darf: Der Welt Erbe im Blick von Satelliten*, DLR Magazin, pp. 22-27, 2016.€105305€
- [613] Kerr, G. H., Avbelj, J., Carmona, E., Eckardt, A., Gerasch, B., Graham, L., Günther, B., **Heiden, U.,** Krutz, D., Krawczyk, H., Makarau, A., Miller, R., Müller, R., Perkins, R., Walter, I.: *The Hyperspectral Hyperspectral sensor DESIS on MUSES: processing and application*, in Proc. IGARSS 2016, pp. 268-271, 2016.€104839€
- [614] **Klein, I., Gessner, U., Dietz, A., Leinenkugel, P., Dech, S., Künzler, C.:** *Detection of Inland Water Bodies with High Temporal Resolution*, in Proc. IGARSS 2016, pp. 7647-7650, 2016.€111044€
- [615] **Klüser, L.:** *On the Information Content of Hyperspectral Infrared Observations with Respect to Mineral Dust*, in Proc. OSA Light, Energy and the Environment Congress: Hyperspectral Imaging and Sounding of the Environment (HISE), pp. 1-3, 2016.€109435€
- [616] Landier, L., Lauret, N., Gastellu-Etchegorry, J.-P., Al Bitar, A., Mitraka, Z., Feigenwinter, C., Parlow, E., **Heldens, W.,** Kothaus, S., Grimmond, S., Lindberg, F., Chrysoulakis, N.: *Calibration of DART Radiative Transfer Model with Satellite Images for Simulating Albedo and Thermal Irradiance Images and 3D Radiative Budget of Urban Environment*, in Proc. 36th EARSeL Symposium, pp. 120-121, 2016.€107764€
- [617] Ludlow, D., Lemper, M., **Marconcini, M.,** Malcorps, P., **Metz, A.:** *EO-based Smart City Decision Support Services for Integrated Urban Governance: the DECUMANUS project*, in Proc. 21st International Conference on Urban Planning and Regional Development in the Information Society, pp. 1-6, 2016.€108209€
- [618] **Mack, B., Leinenkugel, P., Huth, J., Gessner, U., Künzler, C.:** *Pan-European Land Cover Classification with Landsat Data – Preliminary Results*, in Proc. 36th EARSeL Symposium, pp. 137-138, 2016.€107519€
- [619] **Marconcini, M., Metz, A.:** *A suite of novel EO-based products in support of urban green planning*, in Proc. 21st International Conference on Urban Planning and Regional Development in the Information Society, pp. 1-10, 2016.€108203€
- [620] Müller, R., Avbelj, J., Carmona, E., Gerasch, B., Graham, L., Günther, B., **Heiden, U.,** Kerr, G., Knodt, U., Krutz, D., Krawczyk, H., Makarau, A., Miller, R., Perkins, R., Walter, I.: *The New Hyperspectral Sensor DESIS on the Multi-Payload Platform MUSES Installed on the ISS*, in

- Proc. XXIII ISPRS CONGRESS, XLI-B1, pp. 461-467, 2016.€103764€
- [621] Ong, C., **Müller, A.**, Thome, K., **Bachmann, M.**, Czapla-Myers, J., **Holzwarth, S.**, Khalsa, S. J., MacLellan, C., Malthus, T., Nightingale, J., Pierce, L., Yamamoto, H.: *Report on international spaceborne imaging spectroscopy technical committee calibration and validation workshop, national environment research council filed spectroscopy facility, university of edinburgh*, in Proc. IGARSS 2016, pp. 1-3, 2016.€105480€
- [622] **Plank, S.**: *Multi-sensor satellite-based monitoring of a volcanic eruption*, in Proc. 16th ONERA DLR Aerospace Symposium (ODAS), pp. 1-13, 2016.€104799€
- [623] Pleskachevsky, A., Wiehle, S., Gebhardt, C. P., **Schwarz, E.**, **Krause, D.**, Bruns, T., Kieser, J.: *Sea State from High Resolution Satellite-borne Synthetic Aperture Radar Imagery*, in Proc. HYDRO 2016, pp. 1-10, 2016.€103687€
- [624] **Reck, C.**, Campuzano, G., **Dengler, K.**, **Heinen, T.**, **Winkler, M.**: *German Copernicus Data Access and Exploitation Platform*, in Proc. 2016 Conference on Big Data from Space - BiDS'16, pp. 1-4, 2016.€109662€
- [625] Schättler, B., Mrowka, F., **Schwarz, E.**, Lachaise, M.: *The TerraSAR-X Ground Segment in service for nine years: current status and recent extensions*, in Proc. IGARSS 2016, pp. 1400-1403, 2016.€104326€
- [626] **Schmitt, A.**, **Wendleder, A.**, Murnaghan, K., Brisco, B., Poncos, V.: *Multi-sensor wetland mapping over the Peace Athabasca Delta*, in Proc. EUSAR 2016, pp. 487-490, 2016.€106188€
- [627] **Schmitt, A.**, **Wendleder, A.**: *Geometric and Polarimetric Sharpening of SAR Images by Kennaugh- and Schmittlet-based Multi-frequency Data Fusion*, in Proc. EUSAR 2016, pp. 1086-1089, 2016.€106183€
- [628] **Strobl, C.**, **Kiefl, R.**, Aravena Pelizari, P.: *Earth Observation – A Fundamental Input for Crisis Information Systems*, 3, pp. 90-109, 2016.€107387€
- [629] **Tavri, A.**, Singha, S., Lehner, S., Topouzelis, K.: *Observation of sub-mesoscale eddies over Baltic Sea using TerraSAR-X and Oceanographic data*, in Proc. ESA Living Planet Symposium, SP-740, pp. 1-5, 2016.€103040€
- [630] Udelhoven, T., Bossung, C., Rock, G., Fischer, P., **Müller, A.**, Storch, T., Segl, K., Eisele, A., Schlerf, M., Knigge, T.: *High Resolution Temperature and Spectral Emissivity Mapping (HITESEM)*, in Proc. IGARSS 2016, pp. 272-275, 2016.€103878€
- [631] Waldner, F., Fritz, S., Di Gregorio, A., Plotnikov, D., Bartalev, S., Kassul, N., Gong, P., Thenkabail, P., Hazeu, G., **Klein, I.**, **Löw, F.**, Miettinen, J., Dadhwal, V., Lamarche, C., Bontemps, S., Defourny, P.: *A Unified Cropland Layer at 250 m for Global Agriculture Monitoring*, Data, 1 (3), pp. 1-13, 2016.€111042€
- [632] Yamamoto, H., Obata, K., Tsuchida, S., Kerr, G. H., **Bachmann, M.**: *Cross-sensor calibration and validation between DESIS and HUSUI on the international space station (ISS)*, in Proc. IGARSS 2016, pp. 1928-1930, 2016.€105435€
- 2015**
- [633] **Bachmann, M.**, Müller, T.: *Using Spaceborne Hyperspectral Data for Spectral Cross-Calibration of Multispectral Sensors*, in Proc. IGARSS 2015, pp. 2813-2815, 2015.€97500€
- [634] Bauer, O., Einzmann, K., **Schmitt, A.**, Seitz, R.: *Erfassen von Windwurfflächen im Wald mit Satellitentechnik*, AFZ - Der Wald, 2015 (16), pp. 14-17, 2015.€100099€
- [635] Confuorto, P., **Plank, S.**, Di Martire, D., **Calcaterra, D.**, Thuro, K., Ramondini, M.: *Slow-moving landslide monitoring with multi-temporal TerraSAR-X data by means of DInSAR techniques in Crotona Province (Southern Italy)*, in Proc. Fringe 2015, SP-731, pp. 1-8, 2015.€96322€
- [636] **Erbetseder, T.**, **Baier, F.**, **Popp, T.**, **Bergemann, C.**, **Klüser, L.**: *Nutzungspotentiale der Satellitenfernerkundung für umweltmeteorologische Anwendungen*, in Proc. Tagung des Fachausschusses für Umweltmeteorologie der Deutschen Meteorologischen Gesellschaft DMG e.V., 47, pp. 50-51, 2015.€102414€
- [637] **Frauenberger, O.**, **Borg, E.**, Börner, A., Halle, W., Lorenz, E., Mitchell, S., Paproth, C., Säuberlich, T., Terzibaschian, T., Wohlfeil, J.: *Results on verification and validation of OOV-TET1 multi-spectral camera observations within the FireBIRD project*, in Proc. 10th IAA Symposium Small Satellites for Earth Observation, 10, pp. 163-166, 2015.€96230€
- [638] Gangkofner, U., Brockmann, C., Brito, J. C., Campos, J. C., Wramner, P., Ratzmann, G., Fenshold, R., **Günther, K. P.**: *Vegetation productivity in drylands from MERIS FAPAR time series*, in Proc. SENTINEL-3 for Science Workshop, pp. 1-8, 2015.€101978€
- [639] Gstaiger, V., **Römer, H.**, Rosenbaum, D., **Henkel, F.**: *Airborne Camera System for Real-Time Applications - Support of a National Civil Protection Exercise*, in Proc. 36th International Symposium on Remote Sensing of Environment (ISRS), XL-7 (W3), pp. 1189-1194, 2015.€96576€
- [640] Hollstein, A., Rogass, C., Segl, K., Guanter, L., **Bachmann, M.**, Storch, T., Müller, R., Krawczyk, H.: *EnMAP Radiometric Inflight Calibration, Post-Launch Product Validation, and Instrument Characterization Activities*, in Proc. IGARSS 2015, pp. 1-4, 2015.€97502€
- [641] **Huber, M.**, **Wessel, B.**, **Wendleder, A.**, Hoffmann, J., **Roth, A.**: *A framework for an automated editing of TanDEM-X digital elevation models*, in Proc. IGARSS 2015, pp. 3826-3829, 2015.€99614€
- [642] Immitzer, M., Atzberger, C., Einzmann, K., Böck, S., Mattiuzzi, M., Wallner, A., Seitz, R., **Pinnel, N.**, **Müller, A.**, Frost, M.: *Fichten- und Kiefernkarte für Bayern*, LWF Waldforschung Aktuell, 106 (3-2015), pp. 30-34, 2015.€102979€
- [643] Immitzer, M., Einzmann, K., Böck, S., Mattiuzzi, M., Ng, W. T., Wallner, A., **Pinnel, N.**, **Reichmuth, A.**, Frost, M., **Müller, A.**, Seitz, R., Atzberger, C.: *Erstellung von Fichten- und Kiefernanteilskarten auf Basis von Satellitendaten für Bayern*, in Proc. Der gepixelte Wald - Reloaded, 214, pp. 19-32, 2015.€103185€
- [644] Israel, M., Mende, M., **Keim, S.**: *UAVRC, a generic MAV flight assistance software*, International Archives of Photogrammetry and Remote Sensing, XL-1/W, pp. 287-291, 2015.€100501€
- [645] Israel, M., Mende, M., **Keim, S.**: *UAVRC, a generic MAV flight assistance software*, in Proc. 15th ONERA-DLR Aerospace Symposium, pp. 1-5, 2015.€100503€
- [646] **Kerr, G. H.**, **Fischer, C.**, Reulke, R.: *Reliability assessment for remote sensing data: beyond Cohen's kappa*, in Proc. IGARSS 2015 (IEEE International Geoscience and Remote Sensing Symposium), pp. 4995-4998, 2015.€99651€
- [647] Kranz, O., **Schoepfer, E.**, **Spröhnle, K.**, Lang, S.: *Multi-scale Assessment of the Environmental Impact of Refugee Camps in the Context of Climatic Variability*, in Proc. GL\_Forum 2015, pp. 416-419, 2015.€99019€
- [648] **Plank, S.**, Höbbling, D., Eisank, C., Friedl, B., **Martinis, S.**, **Twele, A.**: *Comparing object-based landslide detection methods based on polarimetric SAR and optical satellite imagery – a case study in Taiwan*, in Proc. 7th International Workshop on Science and Applications of SAR

- Polarimetry and Polarimetric Interferometry, POLinSAR 2015, SP-729, pp. 1-5, 2015.€96321€
- [649] **Plank, S., Mager, A., Schöpfer, E.:** *Automated feature extraction by combining polarimetric SAR and object-based image analysis for monitoring of natural resource exploitation*, in Proc. 7th International Workshop on Science and Applications of SAR Polarimetry and Polarimetric Interferometry, POLinSAR 2015, SP-729, pp. 1-6, 2015.€96320€
- [650] **Schmitt, A.:** *Histogram correlation in the context of land cover classification from multi-polarized SAR data*, in Proc. International Geoscience and Remote Sensing Symposium, pp. 1-4, 2015.€100096€
- [651] **Schmitt, A.:** *The Schmittlets for automated SAR image enhancement*, in Proc. International Geoscience and Remote Sensing Symposium, pp. 1-4, 2015.€100097€
- [652] **Twele, A., Martinis, S., Cao, W., Plank, S.:** *Inundation mapping using C- and X-band SAR data: From algorithms to fully-automated flood services*, in Proc. Mapping Water Bodies from Space - MWBS 2015, pp. 46-47, 2015.€95764€
- [653] **Wei, C., Blaschke, T., Taubenböck, H.:** *Monitoring 'urban villages' in Shenzhen, China from high resolution GF-1 and TerraSAR-X data.*, in Proc. SPIE Conference, 9642, pp. 1-8, 2015.€101940€
- [654] **Weiss, I., Caneva, S., Arancón, S., Heilscher, G., Ruf, H., Stakic, D., Ditz, K., Funk, D., Neuchel, E. R., Meier, F., Brunner, H., Sawzan, H., Basciotti, D., Schmidt, R.-R., Schroedter-Homscheidt, M., Killius, N., Borg, E., Schülke, A., Etinski, M., Venturi, A., Papageorgiou, A., Pettersson, J., Ahlund, C., Saguna, S., Idowu, S., Nyberg, S., Sjøo, J.:** *How to Optimise the Over Production of PV Electricity into the Grid with the Implementation of ICT Devices - The OrPHEUS Project*, in Proc. 29th European Photovoltaic Solar Energy Conference and Exhibition, EU PVSEC 2014, pp. 3587-3591, 2015.€98093€
- [655] **Zink, M., Bachmann, M., Bräutigam, B., Fritz, T., Hajnsek, I., Krieger, G., Moreira, A., Wessel, B.:** *TanDEM-X: A Single-Pass SAR Interferometer for global DEM Generation and Demonstration of new SAR Techniques*, in Proc. IEEE International Geoscience and Remote Sensing Symposium (IGARSS), pp. 1-4, 2015.€98030€
- 2014**
- [656] **Bachmann, M., Müller, R., Schneider, M., Walzel, T., Habermeyer, M., Storch, T., Kaufmann, H., Segl, K., Rogass, C.:** *Data Quality Assurance for hyperspectral L1 and L2 products - Cal/Val/Mon procedures within the EnMAP Ground Segment*, in Proc. ESA IpvE - Land Product Validation and Evolution Workshop, pp. 1-35, 2014.€88249€
- [657] **Borg, E., Fichtelmann, B., Schiller, C., Kuenlenz, S., Renke, F., Jahnke, D., Wloczyk, C.:** *DEMMIN - Test Site for Remote Sensing in Agricultural Application*, in Proc. JECAM Science Meeting, pp. 1-28, 2014.€91129€
- [658] **Borg, E., Fichtelmann, B.:** *DEMMIN - Test Site for Remote Sensing in Agricultural Application*, in Proc. SMOS Quality Working Group, pp. 1-23, 2014.€91142€
- [659] **Confuorto, P., Plank, S., Di Martire, D., Calcaterra, D., Thuro, K., Ramondini, M.:** *Slow-moving landslide monitoring with multi-temporal TerraSAR-X data by means of DInSAR techniques in Crotona Province (Southern Italy)*, in Proc. Fringe 2015, SP-731, pp. 1-8, 2014.€96322€
- [660] **Esch, T.:** *Observing the Built Environment from Space - Global Monitoring of Human Settlement Patterns and Characteristics*, in Proc. The Mediterranean City Conference 2014, pp. 1-25, 2014.€92468€
- [661] **Felbier, A., Esch, T., Heldens, W., Marconcini, M., Zeidler, J., Roth, A., Klotz, M., Wurm, M., Taubenböck, H.:** *The Global Urban Footprint - Processing Status and Cross Comparison to Existing Human Settlement Products*, in Proc. IGARSS 2014, pp. 4816-4819, 2014.€90010€
- [662] **Kiemle, S., Molch, K., Schropp, S., Weiland, N., Mikusch, E.:** *Big data management in Earth Observation: the German Satellite Data Archive at DLR*, in Proc. Big Data from Space, BiDS'14, pp. 46-49, 2014.€92405€
- [663] **Klotz, M., Kemper, T., Esch, T., Pittore, M., Marc, W., Geiß, C., Taubenböck, H.:** *Mapping global exposure from space: A review of existing products and comparison of two new layers of global urban extent*, in Proc. 2nd European Conference on Earthquake Engineering and Seismology (2ECEES), pp. 1-13, 2014.€91514€
- [664] **Krehl, A., Siedentop, S., Taubenböck, H., Wurm, M.:** *Agglomeration economies shaping the spatial structure in German city regions?*, in Proc. AESOP, pp. 1-14, 2014.€89202€
- [665] **Kröger, S., Kerkhoff, S., Kiemle, S., Schropp, S., Schwinger, M., Wegner, M., Mikusch, E.:** *The TanDEM-X Mission - Towards a Global Digital Elevation Model: Four Years of Experience in Large Volume Data Management*, in Proc. Big Data from Space (BiDS' 14), pp. 4-6, 2014.€92764€
- [666] **Lehner, S., Krumpen, T., Frost, A., Ressel, R., Busche, T., Schwarz, E.:** *First Tests on Near Real Time Ice Type Classification in Antarctica*, in Proc. IGARSS 2014, pp. 4876-4879, 2014.€89500€
- [667] **Leinenkugel, P., Oppelt, N., Künzer, C.:** *A new land cover map for the Mekong: Southeast Asia's largest transboundary river basin*, Pacific Geographies, pp. 10-15, 2014.€87601€
- [668] **Löw, F., Duveiller, G.:** *Defining the Spatial Resolution Requirements for Crop Identification Using Optical Remote Sensing*, Remote Sensing, 6, pp. 9034-9063, 2014.€93150€
- [669] **Martinis, S., Twele, A., Voigt, S., Strunz, G.:** *Towards a global SAR-based flood mapping service*, in Proc. IGARSS 2014: International Geoscience and Remote Sensing Symposium, pp. 2355-2358, 2014.€90070€
- [670] **Metz, A., Marconcini, M., Esch, T., Reinartz, P., Ehlers, M.:** *Classification of grassland types by combining multi-seasonal TerraSAR-X and Radarsat-2 imagery*, in Proc. IGARSS 2014 / 35th CSRS, pp. 1202-1205, 2014.€90801€
- [671] **Moser, L., Voigt, S., Schöpfer, E.:** *Monitoring of critical water and vegetation anomalies of sub-Saharan West-African wetlands*, in Proc. IGARSS 2014: International Geoscience and Remote Sensing Symposium, pp. 3842-3845, 2014.€90910€
- [672] **Plank, S., Aravena Pelizari, P., Spröhnle, K., Bernhard, E.-M., Mager, A., Nitsche, R., Martinis, S., Schöpfer, E.:** *Multi-sensor OBIA methods for conflict research and humanitarian relief applications*, South-Eastern European Journal of Earth Observation and Geomatics, 3 (2S), pp. 259-262, 2014.€89180€
- [673] **Schmitt, A., Wendleder, A., Roth, A., Brisco, B.:** *Water Extent Monitoring and Water Level Estimation Using Multi-Frequency, Multi-Polarized, and Multi-Temporal SAR Data*, in Proc. IGARSS 2014, pp. 1175-1178, 2014.€91729€
- [674] **Schmitt, A.:** *Perturbation-based significance estimation for multi-temporal and/or multi-polarized SAR descriptors*, in Proc. EUSAR 2014, pp. 588-591, 2014.€91725€
- [675] **Storch, T., Bachmann, M., Honold, H.-P., Kaufmann, H., Krawczyk, H., Müller, R., Sang, B., Schneider, M., Segl, K., Chlebek, C.:** *EnMAP*

*Data Product Standards*, in Proc. IGARSS 2014, pp. 2586-2589, 2014.€91755€

[676] **Tum, M.**, Otukei, R., El-Magd, I., Anangwe, B., Günther, K. P.: *Towards a bio-energy atlas for Africa – Energy potentials of crop residues, a few case studies*, in Proc. 10th AARSE 2014, pp. 30-31, 2014.€92338€

[677] **Wessel, B., Gruber, A., Huber, M., Breunig, M.**, Wagenbrenner, S., **Roth, A.**: *Status of TanDEM-X DEM Calibration and Mosaicking towards the TanDEM-X DEM*, in Proc. 10th European Conference on Synthetic Aperture Radar, pp. 771-774, 2014.€91734€

[678] **Wessel, B., Gruber, A., Huber, M., Breunig, M.**, Wagenbrenner, S., **Wendleder, A., Roth, A.**: *Validation of the absolute height accuracy of TanDEM-X DEM for moderate terrain*, in Proc. IGARSS 2014, pp. 3394-3397, 2014.€91756€

## 2013

[679] Cheng, Y., Haardt, M., **Henniger, H., Metzig, R., Diedrich, E.**: *Interference Suppression and Electronic Tracking Using Antenna Arrays at Satellite Ground Stations*, in Proc. 17th International ITG Workshop on Smart Antennas 2013 (WSA 2013), pp. 1-7, 2013.€82028€

[680] Chrysoulakis, N., **Esch, T.**, Parlow, E., Düzgün, S., Tal, A., Sazova, A., Feigenwinter, C., Triantakontantis, D., **Marconcini, M.**, Kavour, M.: *The role of Earth Observation in sustainable urban planning and management: the GEOURBAN approach*, in Proc. RSCy 2013 - First International Conference on Remote Sensing and Geoinformation of Environment, pp. 54-58, 2013.€83400€

[681] **Conrad, C.**: *Satellitenfernerkundung zur Analyse der Bewirtschaftung von Land- und Wasserressourcen in Trockengebieten*, in Proc. Vortragsreihe der Fränkischen Geographischen Gesellschaft, pp. 1-20, 2013.€88782€

[682] **Conrad, C.**: *Was ist eigentlich Geographische Fernerkundung?*, Forschung & Lehre, 20, pp. 836-837, 2013.€90014€

[683] **Esch, T., Marconcini, M., Felbier, A., Roth, A.**: *Global Mapping of Settlements – Status of the Urban Footprint Processor*, in Proc. 5th TerraSAR-X / 4th TanDEM-X Science Team Meeting, pp. 1-21, 2013.€87993€

[684] **Esch, T., Marconcini, M., Roth, A.**: *The Global Urban Footprint: Generating a Worldwide Settlement Mask from Data of the TanDEM-X*

*Mission*, in Proc. 9th ASAR Workshop, pp. 1-48, 2013.€87997€

[685] **Esch, T.**, Sazonova, A.: *GEOURBAN - Exploiting Earth Observation in Sustainable Urban Planning & Management*, in Proc. BMBF-FASIE Conference 2013, pp. 1-22, 2013.€87995€

[686] **Esch, T.**: *Monitoring Urban Environments from Space*, in Proc. Hannover Messe - European Space Expo, pp. 1-18, 2013.€87998€

[687] **Fourie, C. E., Schöpfer, E.**: *Connectivity thresholds and data transformations for sample supervised segment generation*, in Proc. IGARSS 2013, pp. 1-4, 2013.€83438€

[688] **Hahmann, T., Weber, H., Diedrich, E.**, .: *Sentinel-1 and Sentinel-3-OLCI PAC at DLR*, in Proc. ESA Living Planet Symposium 2013, pp. 1-5, 2013.€87989€

[689] Hummel, F. M., **Post, J., Strunz, G.**, Ludwig, R., Hoffmann, A., Benabdallah, S.: *Setting up the water balance simulation model WaSiM for the assessment of climate change impacts in Chiba basin, Tunisia*, in Proc. The International Conference on Modeling, Simulation and Applied Optimization (ICMSAO 2013), pp. 1-6, 2013.€81757€

[690] **Kübert, C., Conrad, C., Klein, D., Dech, S.**: *Land Surface Phenology from MODIS data in Germany*, in Proc. MultiTemp2013, 7th International Workshop on the Analysis of Multi-temporal Remote Sensing Images, pp. 1-4, 2013.€91658€

[691] **Manilici, V., Kiemle, S., Reck, C., Winkler, M.**: *Architecture Concept for an Information Mining System for Earth Observation Data*, in Proc. PV 2013, pp. 1-11, 2013.€92530€

[692] **Marconcini, M., Esch, T.**, Chrysoulakis, N., Düzgün, S., Tal, A., Feigenwinter, C., Parlow, E.: *Towards EO-based sustainable urban planning and management*, in Proc. IGARSS 2013, pp. 1-4, 2013.€83386€

[693] **Marconcini, M., Esch, T., Felbier, A., Heldens, W.**: *Unsupervised high-resolution global monitoring of urban settlements*, in Proc. IGARSS 2013, pp. 1-4, 2013.€83358€

[694] **Marconcini, M., Esch, T., Felbier, A., Heldens, W.**: *High-Resolution Global Monitoring of Urban Settlements*, in Proc. REAL CORP 2013, pp. 1-5, 2013.€83353€

[695] **Martinis, S., Kersten, J., Twele, A., Eberle, J., Strobl, C., Stein, E.**: *A fully automated multi-scale flood monitoring system based on MODIS and TerraSAR-X data*, in Proc. ESA Living Planet Symposium 2013, pp. 1-7, 2013.€83434€

[696] **Ottinger, M., Liu, G., Taubenböck, H., Künzer, C.**: *Monitoring dynamischer Landschaftsveränderungen im Gelbflussdelta mit multi-sensoralen Fernerkundungsdaten*, in Proc. 4. Symposium Geoinformationen für die Küstenzone und 9. Workshop zur Nutzung der Fernerkundung, 4, pp. 285-292, 2013.€83308€

[697] **Schreier, G., Dech, S., Diedrich, E., Hahmann, T., Maass, H., Mikusch, E., Schwarz, E., Weber, H.**: *Ground Segment Facilities of the European Earth Observation Program Copernicus at the German Aerospace Center*, in Proc. International Astronautical Conference, pp. 1-8, 2013.€85679€

[698] **Taubenböck, H., Esch, T.**: *Fernerkundung zur Kartierung von Küstenstädten*, in Proc. 4. Hamburger Symposium zur Küstenzone & 9. Workshop zur Nutzung der Fernerkundung im Bereich der Bundesanstalt für Gewässer/Wasser- und Schifffahrtsverwaltung des Bundes, 4, pp. 223-232, 2013.€83418€

[699] **Taubenböck, H., Wurm, M.**: *Die Frucht des Paradieses – Reflektionen über den Besuch einer Favela in Sao Paulo*, Standort, 37 (4), pp. 270-275, 2013.€85610€

[700] **Taubenböck, H.**: *Die Ruhe vor dem Sturm - Chinas Weg in ein urbanes Zeitalter*, Standort, 37 (1), pp. 56-61, 2013.€81784€

[701] Zillmann, E., Weichelt, H., Montero Herero, E., **Esch, T., Keil, M.**, Wolvelaer, van, J.: *Mapping of grassland using seasonal statistics derived from multi-temporal satellite images*, in Proc. MultiTemp 2013 - 7th International Workshop on the Analysis of Multi-Temporal Remote Sensing Images, pp. 1-3, 2013.€833



