

German Remote Sensing Data Center

Deutsches
Fernerkundungsdatenzentrum

Documentation 2013 – 2021



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German Remote Sensing Data Center
Deutsches Fernerkundungsdatenzentrum (DFD)

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Cover Time series of the calving front of the eastern Thwaites
Ice Shelf, Antarctica, and its ice tongue, from February 2015
(dark blue) to October 2021 (white), automatically
derived from Sentinel-1 data.

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Documentation 2013 – 2021

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This record covers scientific activities of DFD and the associated department of Remote Sensing at University of Würzburg in the time period between January 1, 2013 and December 31, 2021.

Teaching and Education

DFD has special relations to the following Universities: University of Würzburg (Prof. S. Dech, Prof. C. Künzer), University of Augsburg (Prof. M. Bittner), TU München (honorary professorship, Prof. G. Strunz) and University of Applied Sciences Neubrandenburg (honorary professorship, Prof. E. Borg).

Lectures at Julius-Maximilians-University Würzburg

University courses conducted by DFD staff from 2013 until WS 2021/2022 (lecturers of the department of Remote Sensing at University of Würzburg in *italic typeface*). Winter semester courses are listed in the year of beginning.

Title	Lecturers	'13	'14	'15	'16	'17	'18	'19	'20	'21
Lecture										
Anwendungen der Fernerkundung in der Geographie	<i>Conrad, C.</i>	■	■	■	■	■				
	<i>Hüttich, C.</i>						■			
	<i>Kübert, C.</i>							■	■	
	<i>Thiel, M.</i>									■
	<i>Dahms, T.</i>									
Applications of Earth Observation	<i>Conrad, C.</i>				■	■				
	<i>Hüttich, C.</i>						■	■		
	<i>Thiel, M.,</i>								■	
	<i>Schwalb-Willmann, J.</i>									■
	<i>Schwalb-Willmann, J.</i>									■
EAGLE Applied Earth Observation - Common core skills	<i>Dech, S.</i>								■	
Einführung in die Geographische Fernerkundung	<i>Dech, S.</i>	■	■	■	■	■	■			
	<i>Kübert, C.</i>							■	■	
	<i>Thiel, M.</i>									■
Introduction to Remote Sensing and Geoanalysis	<i>Künzer, C.</i>				■	■	■	■	■	■
Introduction to Master Program "Applied Earth Observation and Geoanalysis"	<i>Künzer, C.,</i> <i>Dech, S.</i> <i>Wegmann, M.</i>									■

Title	Lecturers	'13	'14	'15	'16	'17	'18	'19	'20	'21
Spezielle Physische Geographie I: System Erde – Mensch und Umwelt I: Hydrogeographie	<i>Conrad, C.</i>		■	■						
Seminar										
Ausgewählte Themen zur Analyse urbaner Räume basierend auf Erdbeobachtungsdaten	Taubenböck, H.	■	■	■	■					
Dynamik der Landoberfläche	<i>Conrad, C.</i> <i>Künzer, C.</i>	■	■	■	■					
	<i>Conrad, C.</i>					■				
	<i>Hüttich, C.</i>						■			
	<i>Kübert, C.</i>							■	■	
	<i>Dahms, T., Philipp, M.</i>									■
Land Surface Dynamics	Künzer, C.				■	■	■	■	■	■
Fernerkundliche Methoden für das Forst- und Umweltmonitoring	<i>Latifi, H.</i>			■	■					
Fernerkundung im Ressourcenmanagement	<i>Conrad, C.</i> <i>Künzer, C.</i>	■	■		■	■				
	<i>Conrad, C.</i> Taubenböck, H.			■						
	<i>Kübert, C.</i>						■	■	■	
	<i>Thiel, M.</i>									■
From Field Measurements to Geoinformation	<i>Wegmann, M.</i>									■
From Field Measurements to Geoinformation	<i>Thiel, M.</i> <i>Löw, J.</i>									■
Instructions for Scientific Work	<i>Wegmann, M.</i> Taubenböck, H.									■
Remote Sensing in Urban Geography	Taubenböck, H.					■	■	■	■	■
Regionale Geographie außerhalb Europas II	<i>Conrad, C.</i>	■								
	<i>Thiel, M.</i>								■	
Remote Sensing applications in ecology and conservation	<i>Wegmann, M.</i>					■	■	■		

Title	Lecturers	'13	'14	'15	'16	'17	'18	'19	'20	'21
Scientific Presentation	<i>Philipp, M.</i>								■	■
Scientific Writing	<i>Schönbrodt-Stitt, S., Hüttich, C.</i>						■	■		
	<i>Schönbrodt-Stitt, S.</i>								■	■
Science from wall to wall: From proposal to publication	Taubenböck, H.							■	■	■
Urban forms and Society	Debray, H. Taubenböck, H.									■
Practical Training										
Advanced Image Processing for Geoscientists	Geiß, C.								■	■
Advanced Spatial Analysis for Geoscientists (object-oriented)	<i>Thiel, M. Geiß, C.</i>					■	■	■		
Advanced Spatial Analysis for Geoscientists	<i>Schwalb-Willmann, J.</i>									■
Advanced Spatial Analysis for Geoscientists: LiDAR	<i>Latifi, H.</i>					■	■	■	■	
Common Core Skills	<i>Schönbrodt-Stitt, S.</i>								■	
Digital Image Analysis and GIS	<i>Conrad, C.</i>				■	■				
	<i>Hüttich, C.</i>						■			
	<i>Wegmann, M.</i>							■		■
Einführung in die objektorientierte Datenverarbeitung mit eCognition	<i>Thiel, M. Taubenböck, H.</i>		■							
	<i>Thiel, 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>	■	■	■	■	■				

Title	Lecturers	'13	'14	'15	'16	'17	'18	'19	'20	'21
Fernerkundliche Parameter der Landoberfläche	<i>Hüttich, C.</i>						■			
	<i>Philipp, M., Hüttich, C., Kübert, C.</i>							■		
	<i>Thiel, M.</i>								■	
	<i>Otte, I.</i>									■
Fernerkundliche Zeitserien / Special Methodological Issues (Time Series Remote Sensing)	<i>Dietz, A.</i>			■		■	■	■	■	
From Field Measurements to Geoinformation	<i>Conrad, C.</i>					■				
	<i>Hüttich, C.</i>						■	■		
	<i>Wegmann, M.</i>							■	■	
From Field Measurements to Geoinformation (UAV)	<i>Thiel, M.</i>								■	
Hyperspektrale Fernerkundung mit ENVI/IDL/Hyperspectral Remote Sensing	<i>Bachmann, M.</i>	■		■		■	■			
Hyperspektrale Fernerkundung: Grundlagen, Spectral Unmixing & Feldspektrometrie	<i>Bachmann, M., Schwalb-Willmann, J.</i>								■	
Innovation Laboratory	<i>Wegmann, M.</i>									■
Introduction to Programming and Geostats	<i>Wegmann, M.</i>								■	■
Introduction to Programming and Geostatistics/Digital Image Analysis	<i>Schwalb-Willmann, J.</i>								■	■
Land and Water Management	<i>Conrad, C.</i>					■				
	<i>Hüttich, C.</i>						■	■		
	<i>Thiel, M.</i>								■	
	<i>Philipp, M.</i>									
	<i>Phillip, M. Schwalb-Willmann, J.</i>									■
Methoden der fernerkundlichen Datenauswertung	<i>Kübert, C. Conrad, C.</i>	■	■	■	■	■				

Title	Lecturers	'13	'14	'15	'16	'17	'18	'19	'20	'21
	<i>Kübert, C.</i>						■	■		
	<i>Thiel, M.</i>									■
Novel Image Analysis Methods	<i>Wegmann, M</i> <i>Latifi, H.</i>									■
Project management / Scientific Presentation / Scientific Writing	<i>Wegmann, M.</i>					■	■	■	■	
	<i>Schönbrodt-Stitt, S.</i> <i>Hüttich, C.</i>						■			
Radar course	<i>Buchelt, S.</i>									■
Scientific Graphics	<i>Wegmann, M.</i>							■		
	<i>Wegmann, M.,</i> <i>Schwalb-Willmann, J.</i>								■	■
Selected Applications	<i>Wegmann, M.</i>					■	■	■		
	<i>Philipp, M.</i>								■	
Spatial Python	<i>Hill, S.</i> <i>Kluter, P.</i>									■
Spatial Modeling and Prediction	<i>Wegmann, M.</i>					■	■	■		■
Special Methodological Issues	<i>Philipp, 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.</i> <i>Fritsch, S.</i>			■						

Lectures at University Augsburg

University courses conducted by DFD staff from 2013 until WS 2021/2022. Winter semester courses are listed in the year of beginning.

Title	Lecturers	'13	'14	'15	'16	'17	'18	'19	'20	'21
Lecture										
Physik der Atmosphäre I	Bittner, M.	■	■	■	■	■	■	■	■	■
Physik der Atmosphäre II	Bittner, M.	■	■	■	■	■	■	■	■	■
Physik der Atmosphäre II – Numerische Methoden	Wüst, S.				■	■	■	■	■	■
Seminar										
Aktuelle Aspekte der Atmosphären- und Klimaforschung	Bittner, M., Wüst, S.	■	■	■	■	■	■	■	■	■
Antarktisforschung in Deutschland	Höppner, K.			■						
Applied Geodata Analysis and Machine Learning in R	Weigand, M.						■	■	■	
Atmosphärenforschung	Höppner, K.		■	■						
Die Antarktis: ausgewählte Forschungsfelder	Höppner, K.				■					
Fernerkundung der polaren und kalten Regionen	Höppner, K.					■				
Polare Regionen	Höppner, K.				■					
Practical Training										
Physik der Atmosphäre I (Übung für Physiker und Mathematiker)	Wüst, S.	■	■	■	■	■	■	■	■	■
Physik der Atmosphäre I (Übung für Geographen)	Küchelbacher, L.					■	■	■	■	■
Physik der Atmosphäre II (Übung für Physiker)	Wüst, S.	■	■	■						
Physik der Atmosphäre II (Tutorium für Geographen)	Küchelbacher, L.					■	■	■	■	■

Lectures at other Universities

University courses conducted by DFD staff from 2013 until WS 2021/2022 (lecturers of the department of Remote Sensing at University of Würzburg in *italic typeface*). Winter semester courses are listed in the year of beginning.

University	Title	Lecturers	'13	'14	'15	'16	'17	'18	'19	'20	'21
National											
Bayreuth (GCE)	Advanced Methods in Nature Conservation (lecture, practical training)	<i>Wegmann, M.</i>	■	■	■	■	■				
	Global Change Impacts on Species Distributions (lecture, practical training)	<i>Wegmann, M.</i>	■	■	■	■	■	■			
	Patterns of Land Use and Ecosystem Dynamics (lecture, practical training)	<i>Wegmann, M.</i>	■	■	■	■	■	■			
	Patterns of Land Use and Ecosystem Dynamics (lecture, practical training)	<i>Hüttich, C.</i>							■		
	Remote Sensing (lecture, practical training)	<i>Wegmann, M.</i>	■	■	■	■	■	■			
	Remote Sensing (lecture, practical training)	<i>Hüttich, C.</i>							■		
	Remote Sensing in Biodiversity Research (lecture, practical training)	<i>Wegmann, M.</i>	■	■	■	■	■				
Berlin (HU)	Objektbasierte Bildverarbeitung und maschinelle Lernverfahren	Geiß, C.					■				
Eichstätt	Fernerkundung (lecture, seminar)	Sparwasser, N.	■	■	■	■	■	■	■	■	■
Erlangen (FAU)	Stadt und Gesellschaft	Wurm, M.							■		
Jena	Einführung in Cloud-Computing für die Erdbbeobachtung (Sommerschule)	Eberle, J.								■	■
	Einführung in die modulare Programmierung (seminar)	Habermayer, M.	■		■		■	■	■		
	Hyperspektrale Fernerkundung (seminar)	Bachmann, M.		■		■		■		■	
Karlsruhe (KIT)	Energy Meteorology	Schroedter- Homscheidt, M.				■	■				
Köln	Energy Meteorology	Schroedter- Homscheidt, M.				■	■				
München (HS)	Fernerkundung (lecture, seminar)	Schmitt, A.			■	■					

University	Title	Lecturers	'13	'14	'15	'16	'17	'18	'19	'20	'21
München (LMU)	Fernerkundung – Vertiefung (lecture, practical training)	Rentsch, M.			■	■	■				
	Kartographie/GIS (basic lecture)	Strobl, C.	■	■	■	■	■	■	■		
	Applied Earth Observation (lecture)	Strunz, G.	■	■	■	■	■	■	■	■	■
	DV-gestützte Geostatistik (special lecture)	Strobl, C.	■	■	■	■	■	■	■		
	Geostatistics and Geomarketing (special lecture)	Strobl, C.	■	■	■	■	■	■	■		
	Mission Engineering and Ground Infrastructure (ESPACE)	Diedrich, E.				■	■	■	■	■	■
Neubrandenburg	Remote Sensing (seminar)	Geiß, C., Aravena, P., Stark, T.							■	■	■
	Bodenkunde und Hydrologie (lecture)	Borg, E.						■	■	■	■
	Datenerfassung und Datenmanagement – Fernerkundung (lecture)	Borg, E.	■	■	■						
	Landschaftswissenschaften und Geomatik – Fernerkundung (lecture)	Borg, E.	■	■	■	■	■	■	■	■	■
Rostock	Ringvorlesung: Nutzung von Fernerkundungsmethoden zur Charakterisierung von Moorstandorten	Borg, E.					■				
Stuttgart (HS)	Advanced Topics of Photogrammetry and Remote Sensing (lecture, seminar, practical training)	Esch, T.	■	■	■	■	■	■	■		
Tübingen	Radar Remote Sensing (PG2 - Photogrammetry and Geoinformatics)	Esch, T.								■	■
	Angewandte Fernerkundung (lecture, seminar, practical training)	Bachofer, F.							■		
	Fernerkundung (lecture)	Bachofer, F.					■				
	Geoinformatics	Bachofer, F.								■	
	Objekt-orientierte Bildverarbeitung – Einführung für Geodatenmanager	Thiel, M.							■		■

University	Title	Lecturers	'13	'14	'15	'16	'17	'18	'19	'20	'21
International											
Angers, France	Introduction to LIDAR remote sensing	<i>Latifi, H.</i>				■					
Graz (TU), Austria	Advanced Classification (lecture & practical training)	Wurm, M.				■	■				
	Geographische lecture & practical training Fernerkundung (Grundlagen)	Droin, A.								■	■
	Object Based Classification (lecture & practical training)	Wurm, M.						■	■	■	■
	Urbane Fernerkundung (seminar)	Wurm, M.	■		■						
Katibougou, Mali	Agricultural land use mapping (GIS and RS)	<i>Thiel, M.</i>					■			■	
Kumasi, Ghana	Introduction to Remote Sensing and GIS	<i>Thiel, M.</i>				■					
Lomé, Togo	Desasters and Human contingency	<i>Thiel, M.</i>	■	■			■				
Minna, Nigeria	Advanced Remote Sensing	<i>Thiel, M.</i>								■	
	Applied Remote Sensing	<i>Thiel, M.</i>		■			■				
Ouaga-dougou, Burkina Faso	Spatial Data Analysis	<i>Schönbrodt-Stitt, S., Hill, S.</i>								■	■
Venedig, Italy	Fernerkundung (special lecture)	Marconcini, M.			■				■		
New Haven, USA	Fernerkundung (special lecture)	Marconcini, M.							■		

FAU: Friedrich-Alexander-Universität
 GCE: Elitestudiengang Global Change Ecology
 HS: Hochschule
 HU: Humboldt-Universität
 KIT: Karlsruhe Institut für Technolgie
 LMU: Ludwig-Maximilians-Universität
 TU: Technische Hochschule

Invited Guest Lectures at Universities

Invited guest lectures at universities conducted by DFD staff from 2013 until WS 2021/2022 (lectures of department of Remote Sensing from University of Würzburg in *italic typeface*)

University	Title	Lecturers	'13	'14	'15	'16	'17	'18	'19	'20	'21
National											
Bayreuth	Stadtgeographie aus dem All: Dynamiken, Dimensionen und Formen der globalen Urbanisierung	Taubenböck, H.									■
Berlin (BHT)	RIESGOS – Multirisikoforschung für die Andenregion	Schöpfer, E.								■	
Berlin (FU)	International Charter Space and Major Disasters	Plank, S.									■
Berlin (HU)	The Potential of Earth Observation for the Analyses of Land Surface Dynamics	Künzer, C.						■			
Bochum	Die globale Transformation der Städte – Monitoring mit Methoden der Fernerkundung	Taubenböck, H.				■					
	Urbane Armut – Perspektiven aus dem All	Taubenböck, H.								■	
Bremen	Assessing the Ecosystem Service Potential of Coastal Mangrove Forests combining Remote Sensing and Social Science Studies	Künzer, C.	■								
Dortmund	Fernerkundung und geostatistische Verfahren zur Analyse städtischer Räume	Taubenböck, H.			■						
Dresden (TU)	Information about dust properties from hyperspectral infrared space observations	Klüser, L.			■						
Duisburg-Essen	Nutzungspotentiale der Satellitenfernerkundung für umweltmeteorologische Anwendungen	Erbertseder, T.			■						
Duisburg	Distance creates clarity: Big Earth Data for a better understanding of the century of cities	Taubenböck, H.							■		
Frankfurt	Assessment of Global Surface Water Dynamics from Optical Satellite Time Series – The GlobalWaterPack	Klein, I.						■			
Göttingen	Digital World meets Urban Planet - New Prospects for Urban Monitoring arising from Earth Observation	Esch, T.						■			
Halle-Wittenberg	Stadtgeographie aus dem All: Dynamiken, Dimensionen und Formen der globalen Urbanisierung	Taubenböck, H.									■

University	Title	Lecturers	'13	'14	'15	'16	'17	'18	'19	'20	'21
Hamburg (HCU)	Möglichkeiten der Fernerkundung für die Unterstützung bei Naturkatastrophen und Krisenanwendungen	Gähler, M., Mager, A.						■			
Hannover	Fernerkundung von Küsten und Flussdeltas: Schnittstellen mit Hydrologie und Küstenbauingenieurwesen	Künzer, C.			■						
	Irradiance Forecasts for Electricity Production	Schroedter-Homscheidt, M.	■								
	Operational Remote Sensing	Reiners, P., Bachmann, M.									■
	Poverty – How disadvantages become visible even from outer space	Taubenböck, H.								■	
	Remote Sensing for Global Change Research – an Overview	Klein, D.								■	
Jena	Modulare Programmierung mit IDL für den Einsatz in der Fernerkundung	Habermeyer, M.	■	■	■	■		■			
	Modular Programming in Python for the Use in Remote Sensing Applications	Habermeyer, M.							■		
	Modular Programming in Remote Sensing – Python Part I	Habermeyer, M.								■	■
	Modular Programming in Remote Sensing – Python Part II	Habermeyer, M.									■
Kiel	Urbanization is transforming our world – Perspectives from space	Taubenböck, H.						■			
Köln	Das Jahrhundert der Städte – Perspektiven aus dem All	Taubenböck, H.						■			
München (HS)	Change Detection for Application in Urban Geography based on VHR remote sensing	Leichtle, T.								■	
	Digital Data Fusion in Practice	Wendleder, A.						■		■	■
	Globale Urbanisierung: Perspektiven aus dem All	Taubenböck, H.					■	■	■	■	
	Ableitung von krisenrelevanten Informationen aus Erdbeobachtungsdaten	Plank, S.							■		
	Vulnerability & Risk <in action> – The project RIESGOS	Schöpfer, E.							■		
	Wie wir wohnen – beobachtet aus dem All	Taubenböck, H.									■
München (LMU)	Urban Remote Sensing	Taubenböck, H.					■				

University	Title	Lecturers	'13	'14	'15	'16	'17	'18	'19	'20	'21
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.			■	■	■	■	■	■	■
	Perspektiven aus dem All - Die Transformation des physischen Zusammenlebens	Taubenböck, H.					■				
	Remote Sensing in Hydrology	Huth, J., Ottinger, M., Wendleder, A.						■	■		
Urban Science with a view from space	Taubenböck, H.									■	
Osnabrück	Remote Sensing for Global Change Research – An Overview	Klein, D.								■	
Potsdam	Thermal observations: Background, satellite overview, and data processing	Plank, S.									■
Stuttgart	Quantifying Global Environmental Change	Künzer, C.						■			
Tübingen	Earth Observation and the Copernicus Programme in support to Archaeology and World Heritage Preservation	Schreier, G.						■			
	Ist Urbanisierung gut für die Menschheit?	Taubenböck, H.								■	
Weimar	Characterization of Built Environments with Artificial Intelligence Techniques and Earth Observation Data	Geiß, C.							■	■	■
Würzburg	Doing a PhD! – A progress (regress) report	Standfuß, I.							■	■	■
	Earth Observation for Crisis Management Support	Riedlinger, T.							■	■	■
	Earthquakes, Earth Observation and Machine Learning – one Decade of Research	Geiß, C.								■	■
	Master's – Research associate – Service staff – Phd: Insights into a career at a large-scale research facility	Aravena Pelizari, P.							■	■	■
	Publish or perish	Wurm, M.							■		
	Research within a large project of the European commission – the example of the HEIMDALL project	Knopp, C.							■		
	Research from an SME perspective	Leichtle, T.							■	■	■
	Wall2Wall the process from an idea to funding	Staab, J.							■	■	■

University	Title	Lecturers	'13	'14	'15	'16	'17	'18	'19	'20	'21
	Remote Sensing for Agriculture Monitoring	Klein, D.								■	
	Habitat Suitability Model for different locust types in Kazakhstan	Klein, D.								■	■
	Remote Sensing for Fire Detection and Crisis Management	Klein, D.								■	■
	Managing large international research projects - Importance, complexity and challenges	Schöpfer, E.								■	■
International											
Cambridge, England	Earthquake risk in the context of global urbanization	Geiß, C.								■	
	Understanding the transformation of urban landscapes through satellite data	Taubenböck, H.							■		
Cape Town, South Africa	New forms of global urbanization – An Earth observation perspective (online-guest lecture)	Taubenböck, H.			■						
Chicago, USA	Is urbanization good for humankind? New perspectives from space	Taubenböck, H.								■	
Cork, Ireland	Remote Sensing of Coasts and River Deltas globally	Künzer, C.			■						
Edinburgh, Scotland	Observing the Earth from Space - Satellites, Services and Applications	Heinen, T.						■			
Florence, Italy	Remote sensing of geohazards - Landslides – Flooded Vegetation – Burnt Area – Volcanic eruptions	Plank, S.									■
Guangzhou, China	The future will be urban - is that a problem or the solution?	Taubenböck, H.								■	
Innsbruck, Austria	The Potential of Earth Observation for the Quantification of Land Surface Dynamics	Künzer, C.									■
Kingston, Canada	Using TerraSAR-X and TanDEM-X data for cryosphere research	Roth, A.							■		
Kufstein (HS), Austria	Deutschland – Wie und wo wir wohnen	Taubenböck, H.									■
Kumasi, Ghana	Introduction to Remote Sensing and GIS	Thiel, M.				■					
Lausanne, Switzerland	Does distance bring clarity – remotely sensing cities	Taubenböck, H.	■								
London (LSE), England	Urban Science with a view from space: Dynamics, dimensions and forms of global urbanization	Taubenböck, H.							■		

University	Title	Lecturers	'13	'14	'15	'16	'17	'18	'19	'20	'21
Medellin, Colombia	Urban Science with a view from space: Dynamics, dimensions and forms of global urbanization	Taubenböck, H.							■		
Nikosia (TU), Cyprus	Multitemporal Earth Observation Analysis	Geßner, U.				■					
	The European EO Programme COPERNICUS: A contribution to preserve Cultural Heritage	Schreier, G.				■					
Salzburg, Austria	New dimensions of urbanization – An Earth observation perspective	Taubenböck, H.			■						
	Big data and beyond – Analyzing global urbanization	Taubenböck, H.							■		
Shanghai (CAS), China	The Potential of Earth Observation for Biodiversity Analyses	Künzer, C.							■		
Taipeh, Taiwan	The Potential of EO for Coastal Research Applications	Künzer, 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	Künzer, C.			■						
Vienna (TU), Austria	The global process of urbanization: Dynamics, patterns and morphologies	Taubenböck, H.							■		
Wuhan, China	Urban Remote Sensing	Bachofer, F.						■			
Zurich, Switzerland	Forest cover change in Germany after a series of drought years (2018-2020) – a remote sensing perspective	Thonfeld, F.									■

BHT: Beuth Hochschule für Technik
CAS: Chinese Academy of Science
FU: Freie Universität
HCU: HafenCity Universität
HS: Hochschule

HU: Humboldt-Universität
LMU: Ludwig-Maximilians-Universität
LSE: London School of Economics and Political Science
TU: Technische Universität

Non-University Courses and Tutorials

Non-university courses and tutorials conducted by DFD staff from 2013 to 2021 (courses of department of Remote Sensing at University of Würzburg in *italic typeface*)

Location	Title	Lecturers	'13	'14	'15	'16	'17	'18	'19	'20	'21
National											
Altenburg im Ahrtal	Übung „Drohnenbefliegung Ahrtal“ mit dem BRK und BBK	Wieland, M., Schröter, E.									■
Bochum	Sentinels for Urban Applications	Marconcini, M.						■			
Bonn	ZKI-DE Nutzertraining für GMLZ-Mitarbeiter des BBK	Gähler, M., Mager, A., Schneiderhan, T.			■	■					
Bonn	Remote Sensing of land cover and land use at different scales	<i>Thiel, M.</i>				■					
Bonn / Darmstadt	International Charter Space and Major Disasters / PM-Training	Plank, S., Twele, A.						■	■		
Berlin / Frankfurt a.M./ Oberpfaffenhofen	ZKI-DE Nutzertraining für Bundesbehörden	Gähler, M., Lechner, K., Lange, C., Mager, A., Starmans, S., Wölfel, J.						■	■		■
Frankfurt a.M./ Oberpfaffenhofen	ZKI-DE Training zur Befähigung des BKG	Gähler, M., Lechner, K., Lange, C., Knopp, C., Mager, A., Wölfel, J.	■				■	■	■	■	
Frankfurt a.M./ Oberpfaffenhofen	Der Satellitengestützte Krisen- und Lagedienst des BKG: Nutzbare Potentiale für Bundeseinrichtungen	Gähler, M.,									■
Köln	DLR Wissensaustauschworkshop III – Machine Learning	Leinenkugel, P.						■			
München	Vortragsreihe der Deutschen Gesellschaft für Kartographie e.V. (DGfK) - Sektion Bayern: Die Sentinel-Satelliten des europäischen Copernicus-Programms.	Hahmann, T.				■					
München	TUM Tech: European Earth Observation Systems	Schreier, G.				■	■				
München / Oberpfaffenhofen	Vicarious calibration/validation experiment, EnMAP summer school	Bachmann, M., Zepp, S., Heiden, U.					■				

Location	Title	Lecturers	'13	'14	'15	'16	'17	'18	'19	'20	'21
Münster	Workshop - Einführung in die Geodatenverarbeitung mit Python (FOSSGIS Konferenz)	Strobl, C.			■						
Münster	Workshop - GeoPython (FOSSGIS Konferenz Passau)	Strobl, C.				■					
Oberpfaffenhofen	Two-day day remote sensing training course for GIZ	Bettinger, M., Gähler, M., Martinis, S., Plank, S., Strunz, G.						■			
Oberpfaffenhofen	ZKI-Training für Mitarbeiter des Ministeriums des Innern und Sport Land Sachsen-Anhalt	Gähler, M.			■						
Oberpfaffenhofen	ZKI Nutzertraining für Polizeipräsidium München	Gähler, M., Lange, C.							■		
Oberpfaffenhofen	Two-day day training course and workshop for WFP analysts on satellite data processing methods	Bettinger, M., Geßner, U., Klein, D., Klein, I., Mager, A., Martinis, S., Plank, S., Schreier, G., Voigt, S.					■				
Oberpfaffenhofen	ZKI-DE Nutzertraining für BKA	Gähler, M., Mager, A., Schneiderhan, T.			■	■					
Oberpfaffenhofen	ZKI-DE Nutzertraining für die Bundespolizei	Lechner, K., Lange, C., Gähler, M.						■			
Oberpfaffenhofen	DLR Wissensaustauschworkshop „DLR.Open II - Open Data Science und Open Geodata“	Mühlbauer, M., Voigt, S.					■				
Oberpfaffenhofen / Schweinfurt	DLR-ZKI Training für das BRK	Schröter, E., Lange, C., Lechner, K.									■
Potsdam	17. Herbstschule - System Erde 2018: „Von oben sieht man mehr - Satelliten und Satellitendaten in den Geowissenschaften“ (DWD, GFZ)	Borg, E.						■			
Potsdam	Seismology and Seismic Hazard Assessment	Geiß, C.							■		
Radolfzell	AniMove: Animal Movement and Remote Sensing, Postgraduate and professional training course	Leutner, B., Schwalb-Willmann, J.					■	■			

Location	Title	Lecturers	'13	'14	'15	'16	'17	'18	'19	'20	'21
St. Oswald / Oberpaffenhofen	RS4forestEBV: Species, Airborne remote sensing for monitoring essential biodiversity variables in forest ecosystem, Tree species classification. EUFAR summer school	Pinnel, N., Holzwarth, S.					■				
St. Oswald / Oberpaffenhofen	RS4forestEBV: Airborne remote sensing for monitoring essential biodiversity variables in forest ecosystems, EUFAR summer school	Bachmann, M., Holzwarth, S., Pinnel, N.					■				
Stuttgart	Geodatenverarbeitung mit Python, FOSSGIS-Gruppe	Strobl, C.			■						
Weßling	SAR Principles and Applications (CCG Kurs)	Roth, A.	■	■	■	■	■	■	■		
Würzburg	Summer School for GIZ: Earth Observation for International Development	Hüttich, C., Klein, D., Thiel, M., Üreyen, S., Dahms, T., Schöpfer, E., Bachofer, F.							■		■
Würzburg	Summer School for GIZ: Remote Sensing Products - Examples from projects	Klein, D., Huth, J., Asam, S., Klein, I., Heinen T.									■
Würzburg	GeoSens Summer Schools for GIZ: Earth Observation for International Development (17-21 May, 1-16 Jul, 11-15 Oct, 2021)	Klein, D., Thiel, M., Dahms, T., Otte, I., Wegmann, M., Philipp, M., Abu, I.-O., Hill, S.									■
International											
Almaty, Kazakhstan	Introduction into QGIS (QGIS Courses) for the CAREC-staff	Leinich, M.			■						
Almaty, Kazakhstan	Summer School: "CAWa Summer School at German-Kazakh University in Almaty"	Morper-Busch, L., Dimov, D., Conrad, C., Netzband, M.		■	■	■	■	■	■		
Almaty, Kazakhstan / Urgench, Uzbekistan	R-Trainingskurse in Zentralasien	Löw, F., Bauer, C., Thiel, M.			■	■	■				
Asuncion, Paraguay	Remote Sensing Training on processing approaches for Sentinel 1 and 2, mapping	Da Ponte, E., Hirner, A.						■			

Location	Title	Lecturers	'13	'14	'15	'16	'17	'18	'19	'20	'21
	water surface dynamics and derivation of land cover. Responsible institution: WWF Paraguay										
Beijing, China	Atmospheric Correction using ATCOR, IEEE GIS Training Course	Bachmann, M.				■					
Bogotá, Colombia	Training at WWF on processing approaches for Sentinel 1 and 2, mapping water surface dynamics and derivation of land cover.	Da Ponte, E.					■				
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	Zeidler, J.					■				
Córdoba, Argentina	International Charter Space and Major Disasters / PM-Training	Riedlinger, T.				■					
Delhi, India	Cities at risk – Perspectives using remote sensing data. National Webinar on Disaster Risk Reduction & Urban Risk Management. National Institute of Disaster Management,	Taubenböck, H.									■
Dongying, China	User Training for the DELIGHT Data Manager	Chang, J. W.			■						
Dongying, China	Data Preparation and Ingestion for the DELIGHT Information System	Chang, J. W.		■	■						
Dongying, China	User Training for the DELIGHT (Data and) System Administrator	Jaspersen, V.		■	■	■					
Dongying, China	OGC Services, Metadata and ISO Standards	Jaspersen, V.			■						
Geneve, Switzerland	Outlining the global settlement growth from 1985 to 2015 – the WSF Evolution	Marconcini, M.						■			
Jerewan, Armenia	Workshop for Ministry of Economy: Mapping of Grassland Extent, Condition and Biomass in Armenia	Asam, S.									■
Kigali, Ruanda	Two-day training course on urban remote sensing, geospatial analysis and U-TEP with the Ministry of Infrastructure, Ministry of Finance and the Rwandan Housing Authority	Bachofer, F.						■			
Kumasi (KNUST), Ghana	Graduate school on climate change and land use course CCLU 725: Advanced Remote Sensing	Thonfeld, F., Thiel, M., Hill, S.	■				■			■	
Latacunga / Quito, Ecuador	Multi-Risk Analysis in the region of volcano Cotopaxi, Ecuador	Schöpfer, E., Langbein, M.						■	■		

Location	Title	Lecturers	'13	'14	'15	'16	'17	'18	'19	'20	'21
Lima, Peru	Multi-Risk Analysis in Metropolitan Lima and Callao, Peru	Schöpfer, E., Langbein, M.						■	■		
Nukus, Uzbekistan	Introduction to cloud-based Earth Observation with Google Earth Engine (GEE)	Klein, I., Lappe, R., Üreyen, S.									■
Ouagadougou, Burkina Faso	WASCAL Training/Workshop on Remote Sensing of the Land Surface	Geßner, U.					■				
Ouagadougou, Burkina Faso	Vegetation Mapping using Google Earth Engine	Meier, J.									■
Ouagadougou, Burkina Faso	Overview of Remote Sensing concepts	<i>Thiel, M.</i>					■				
Peking, China	Assessing Land Surface Dynamics	Künzer, C.	■	■							
Radolfzell / Virginia, USA	AniMove: Animal Movement and Remote Sensing for Conservation	<i>Wegmann, M., Leutner, B., Schwalb- Willmann, J.</i>			■	■	■	■			
San José, Costa Rica	Tutorial on aquatic remote sensing	Pinnel N., Göritz A.						■			
Santiago de Chile / Valparaiso, Chile	Multi-Risk Analysis in Valparaíso, Chile	Schöpfer, E., Aravena, P.						■			
Sioux Falls, USA	International Charter Space and Major Disasters / PM-Training	Gosdschan, T.			■						
Tashkent, Uzbekistan / Bishkek, Kyrgyzstan	CAWa Edu Seminar at the National Agrarian University of Kyrgyzstan (2018) and at the Center for Research of Glaciers (Academy of Sciences) in Dushanbe, Tajikistan (2019)	<i>Morper-Busch, L., Netzband, M.</i>						■	■		
Tianjin, China	Zeitreihenprozessierung und thermale Fernerkundung	Künzer, C.			■						
Tokio, Japan	DLR-ZKI, Governance Disaster Management in Germany, Earth Observation Services along the Disaster Management Cycle – examples	Plank, S.					■				
Reston, Virginia, USA	Multi-Sensor Satellite-based Volcano Monitoring	Plank, S.									■
Vienna, Austria	International Charter Space and Major Disasters / PM-Training	Gstaiger, V., Zwenzner, H.			■						
New Haven, USA	AniMove: Animal Movement and Remote Sensing, Postgraduate and professional training course	<i>Leutner, B., Schwalb- Willmann, J.</i>							■		

Location	Title	Lecturers	'13	'14	'15	'16	'17	'18	'19	'20	'21
Webinar											
Webinar	Cloud-based Earth Observation with Google Earth Engine (GEE) – Flood Monitoring	Bachofer, F.									■
Webinar	HPDA/terabyte – Technologies for the exploration of EO data for National Resource Canada (NRCan)	Eberle, J., Schwinger, M.									■
Webinar	Radar Remote Sensing – Einführung in die Radarfernerkundung für Mitarbeiter von Entwicklungsbanken und Städten/Kommunen in Entwicklungsländern (ESA EO4SD Urban)	Esch, T.						■			
Webinar	Expositionsmodellierung für die Risikobewertung von Naturgefahren	Geiß, C., Aravena, P.									■
Webinar	Webservices für verteilte Systemarchitektur	Langbein, M.									■
Webinar	EOC Geoservice of DLR – How to browse and access data sets for DLR Copernicus Masters Challenge	Heinen, T., Volkman, R., Klein, D.									■
Webinar	Multi-Risk Analysis in Metropolitan Lima and Callao, Peru	Schöpfer, E., Aravena, P., Langbein, M.									■
Webinar	Multi-Risk Analysis in the region of volcano Cotopaxi, Ecuador	Schöpfer, E., Aravena, P., Langbein, M.									■
Webinar	Multi-Risk Analysis in Valparaiso, Chile	Schöpfer, E., Aravena, P., Langbein, M.									■

ATCOR: Atmospheric and Topographic CORrection
 BBK: Bundesamt für Bevölkerungsschutz und Katastrophenhilfe
 BKA: Bundeskriminalamt
 BKG: Bundesamt für Kartographie und Geodäsie
 CAREC: Central Asia Regional Economic Cooperation
 CAWA: Water Research Network in Zentralasien
 CCG: Carl-Cranz-Gesellschaft
 DELIGHT: Delta Information System for Geoenvironmental and Human
 Habitat Transition
 DWD: Deutscher Wetterdienst
 EnMAP: Environmental Mapping and Analysis Program
 EUFAR: European Facility for Airborne Research
 FOSSGIS: Freie Open Source Software für Geographische
 Informationssysteme

GFZ: Geoforschungszentrum Potsdam
 GIZ: Gesellschaft für internationale Zusammenarbeit
 GMLZ: Gemeinsame Melde- und Lagezentrum von Bund und Ländern
 HPDA: High Performance Data Analysis
 IEEE: Institute of Electrical and Electronic Engineers
 GISIS: Geoscience Spaceborne Imaging Spectroscopy
 KNUST: Kwame Nkrumah University of Science and Technology
 OGC: Open Geospatial Consortium
 TUM: Technische Universität München
 WASCAL: West African Science Service Centre on Climate Change and
 Adapted Land Use
 WFP: World Food Programme
 WSF: World Settlement Footprint
 WWF: World Wide Fund For Nature

Internal Seminar Series

Title	Comments
DFD Seminar	6 – 8 presentations per year, DFD and guest scientists
Seminars of DFD sections	212 seminars between 2013 and 2021, DFD and guest scientists (2013: 15, 2014: 25, 2015: 24, 2016: 51, 2017: 19, 2018: 9, 2019: 29, 2020: 21, 2021: 19)
Doktorandentage University of Würzburg	Annual event with 7 PhD status presentations on average
Software Development Lab University of Würzburg	39 presentations since 2013 (2013: 2, 2014: 5, 2015: 4, 2016: 5, 2017: 3, 2018: 3, 2019: 2, 2020: 15, 2021: 0)
Werkstattberichte University of Würzburg/PhD Talks	38 since 2013 (2013: 2, 2014: 1, 2015: 8, 2016: 4, 2017: 1, 2018: 9, 2019: 6, 2020: 3, 2021: 4)
„Development Open Lab“ bei DFD INF	90 since 2013 (2013: 3, 2014: 14, 2015: 17, 2016: 16, 2017: 12, 2018: 6, 2019: 3, 2020: 8, 2021: 11)
DLR Open Search Kolloquium	4 since 2021

Contributions

Title	Comments
Wissenschaftliches Kolloquium of DLR Oberpfaffenhofen	8 presentations since 2013 (2013: x, 2014: 1, 2015: 1, 2016: 1, 2017: 0, 2018: 2, 2019: 1, 2020: 1, 2021: 1)
Diplomanden-/ Doktorandenseminar der Physischen Geographie, University of Würzburg	28 seminars since 2013 (2013: 1, 2014: 1, 2015: 5, 2016: 3, 2017: 5, 2018: 1, 2019: 5, 2020: 0, 2021: 7)

In-House Interns and Trainees

641 students (2013: 45, 2014: 34, 2015: 82, 2016: 36, 2017: 96, 2018: 77, 2019: 91, 2020: 91, 2021: 89) received practical training and supervision from DFD staff during short-term periods of stay at DFD between 2013 and 2021.

Academic Degrees

Professorship Appointments

Professorship appointments of DFD or department of Remote Sensing at University of Würzburg (in *italic typeface*) since 2013

Name	Professorship	University	Year
Künzer, C.	Professorship for Remote Sensing of Land Surface Dynamics	Julius-Maximilians-Universität Würzburg	2019
<i>Conrad, C.</i>	Professorship for Geoecology	Martin-Luther-Universität Halle-Wittenberg	2019
Borg, E.	Honorary Professorship	FH Neubrandenburg	2018
Künzer, C.	Offer of a professorship for remote sensing (rejected)	Universität Bonn	2018
Schmitt, A.	Professorship for Applied Geodesy and Geoinformatics	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
Geiß, C.	Collective Sensing Techniques and Artificial Intelligence for Natural Hazard Risk and Impact Assessment	Würzburg	Ongoing	Prof. Dech Prof. Paeth PD Dr. Taubenböck
<i>Ullmann, T.</i>	Raumzeitliche Analyse von Geosystemen mittels satellitengestützter Erdbeobachtung	Würzburg	2021	Prof. Baumhauer Prof. Dech Prof. Bubenzer
Taubenböck, H.	Remote Sensing for the analysis of global urbanization	Würzburg	2019	Prof. Dech Prof. Baumhauer Prof. Hahn
Wüst, S.	Wellen in der mittleren Atmosphäre – Untersuchung von Kopplungsmechanismen und Entwicklung von Validationskonzepten	Augsburg	2018	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
Künzer, 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 department of Remote Sensing at University of Würzburg (in *italic typeface*) since 2013

Name	Title	University	Year	Reviewers
<i>Abu, I.-O.</i>	Migrants: The push pull effects of industrial areas (in rural Africa)	Würzburg	Ongoing	Taubenböck, H. (1) N.N. (2)
<i>Aravena Pelizari, P.</i>	Vulnerabilitätsbewertung der gebauten Umwelt gegenüber Naturgefahren unter der Nutzung von Street-Level-Bildern und Fernerkundung	Würzburg	Ongoing	Taubenböck, H. (1) Baumhauer, R. (2) Dech, S. (3)
<i>Bandishoev, M.</i>	Decadal climate variability impacts on Central Asian glaciation region: Dynamics and mass balance of the region glaciers using new optical and SAR time-series data	Würzburg	Ongoing	Künzer, C. (1)
<i>Bauer, S.</i>	Earth observation techniques and machine learning for natural hazard multi-risk assessment	Würzburg	Ongoing	Taubenböck, H. (1) Geiß, C. (2)
<i>Bell, A.</i>	Remote Sensing and its contribution to policy and decision making	Würzburg	Ongoing	Dech, S. (1) Paeth, H. (2)
<i>Bichler, R.</i>	Untersuchung des Zusammenhangs zwischen Luftqualität, Gesundheit und Wirtschaftswachstum	Augsburg	Ongoing	Bittner, M. (1) Bürmann, W. (2)
<i>Buchelt, S.</i>	Investigating local permafrost dynamics	Würzburg	Ongoing	Kneisel, C. (1) Künzer, C. (2)
<i>Debray, H.</i>	Analysis of the structural complexity of intra-urban morphology through Earth Observation data and methods	München (TU)	Ongoing	Zhu, X. (1) Taubenböck, H. (2)
<i>Dirscherl, M.</i>	Remote Sensing of Supraglacial Lake Dynamics in Antarctica – Exploiting Methods from Artificial Intelligence for Derivation of Antarctic Supraglacial Lake Extents in Multi-Sensor Remote Sensing Data	Würzburg	Ongoing	Künzer, C. (1) Kneisel, C. (2)
<i>Dong, R.</i>	Spatiotemporal Pattern of Impervious Surfaces and Their Impacts on Surface Urban Heat Island	Würzburg	Ongoing	N.N. (1) N.N. (2)
<i>Dovhan, B.</i>	Ressource useage prediction for earth observation algorithms on a serverless infrastructure	Würzburg	Ongoing	Kouvnev, S. (1) N.N. (2)
<i>Droin, A.</i>	Relationship of urban morphology and well-being	Würzburg	Ongoing	Taubenböck, H. (1) N.N. (2)
<i>Förtsch, S.</i>	Evaluating forest-vegetation dynamics in central Europe using satellite data	Würzburg	Ongoing	<i>Ullmann, T.</i> (1) Schuldt, B. (2)
<i>Garbasev-schi, O.</i>	Analysis of regional socio-economic inequalities using remote sensing and geospatial data	Würzburg	Ongoing	Taubenböck, H. (1) Peichl, A. (2)
<i>Ha Van, T.</i>	Earth observation for drought analyses in South East Asia	Würzburg	Ongoing	Künzer, C. (1) N.N. (2)
<i>Handschuh, J.</i>	Modellgestützte Ableitung bodennaher Luftschadstoffe und Emissionen aus Satellitendaten	Berlin (FU)	Ongoing	Schaap, M. (1) N.N. (2)

Name	Title	University	Year	Reviewers
Höser, T.	Deriving Object Dynamics with Deep Learning and Synthetic Training Data for a Global Offshore Wind Farm Monitoring with Sentinel-1 Data	Würzburg	Ongoing	Künzer, C. (1) Paeth H. (2)
Ji, C.	Urban Imaging Spectroscopy across Scales	Berlin (HU)	Ongoing	Lakes, T. (1) Feilhauer, H. (2)
<i>Kanmegne Tamga, D.</i>	Monitoring agroforestry in West Africa using Remote Sensing	Würzburg	Ongoing	Ullmann, T. (1) N.N. (2)
Kaiser, D.	Porting and parallelization of remote sensing specific algorithms for usage on a serverless infrastructure	Würzburg	Ongoing	Kounev, S. (1) N.N. (2)
Köhler, J.	The potential of EO for trend derivation and future prediction	Würzburg	Ongoing	Künzer, C. (1) Paeth, H. (2)
Kraff, N.	Morphologic appearances of poverty observed from space	Würzburg	Ongoing	Taubenböck, H. (1) Rauh, J. (2)
<i>Liepa, A.</i>	Agricultural remote sensing of smallholder farming systems in East Africa	Würzburg	Ongoing	Ullmann, T. (1) N.N. (2)
Mast, J.	Assessing Drivers and Effects of Migration through the Joint Use of Social Media and Remote Sensing Data	Würzburg	Ongoing	Taubenböck, H. (1) N.N. (2)
Mayr, S.	Global Dynamics of Surface Water and Error Quantification	Würzburg	Ongoing	Künzer, C. (1) Rutzinger, M (2)
Offenwanger, T.	Statistische Untersuchung von Aerosol-Wolken-Wechselwirkungen mit Satellitenbeobachtungen und globalen Zirkulationsmodellen	Augsburg	Ongoing	Beck, C. (1) N.N. (2)
Orynbaikyzy, A.	Crop type classification using a combination of optical and radar data	Halle	Ongoing	Conrad, C. (1)
Osterkamp, N.	INTAKT-Potential von Fernerkundung für die Analyse von umweltbedingten Krankheiten	Würzburg	Ongoing	Taubenböck, H. (1) N.N. (2)
<i>Phillip, M.</i>	The potential of Earth Observation for permafrost analysis	Würzburg	Ongoing	Künzer, C. (1) Kneisel, C. (2)
<i>Quattara, B.</i>	Estimation of Biomass Consumption by Small Wildfires and Induced Carbon Dioxide Emission in West African Savannah	Würzburg	Ongoing	Sponholz, B. (1) Künzer, C. (2)
<i>Reinermann, S.</i>	Analyses of Grassland Use and Yield in Germany based on Sentinel Time Series	Würzburg	Ongoing	Künzer, C. (1) Ullmann, T. (2)
<i>Schwalb-Willmann, J.</i>	Potentials of animal-environment interactions for remote sensing research	Würzburg	Ongoing	Dech, S. (1) Wikelski, M. (2)
Schwinger, M.	Serverless Infrastruktur zur hochparallelen Verarbeitung von Erdbeobachtungsdaten	Würzburg	Ongoing	Kounev, S. (1) N.N. (2)
Sogno, P.	Potential of Earth observation for the assessment of water stress	Würzburg	Ongoing	Künzer, C. (1), N.N. (2)
Staab, J.	Noise mapping from space. Approximating sound propagation using big earth data	Berlin (HU)	Ongoing	Lakes T (1) N.N. (2)

Name	Title	University	Year	Reviewers
Standfuß, I.	The influence of landscape characteristics and dynamics on movement and behaviour of white storks	Würzburg	Ongoing	Dech, S. (1) Wikelski, M. (2) Baumhauer, R. (3)
Stark, T.	Deep Learning using EO data for urban poverty research	München (TU)	Ongoing	Zhu, X. (1) Taubenböck, H. (2)
Stiller, D.	Erprobung fernerkundlicher und VGI Daten für Verkehrsmodellierungsansätze	Würzburg	Ongoing	Dech, S. (1) Taubenböck, H. (2)
Ulloa Torrealba, Y.	Socio-ecological analysis of indicators in the urban system related to poverty and climate change using remote sensing	Würzburg	Ongoing	Taubenböck, H. (1) Schmitt, A. (2) Rauh, J. (3)
Üreyen, S.	The Potential of Earth observation time series for river basin analysis	Würzburg	Ongoing	Künzer, C. (1) Paeth, H. (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) Taubenböck, H. (2)
Wendleder, A.	Impact of climate and supraglacial lakes on the surface velocity of Baltoro Glacier, Karakoram	Erlangen	Ongoing	Braun, M. (1) Mayer, C. (2)
Zepp, S.	Spatial and temporal analysis of large-scale time series of bare-soil composites based on Landsat imagery (1984-2019)	München (LMU)	Ongoing	Ludwig, R. (1) van Wesemeal, B. (2)
Baumhoer, C.	Glacier front dynamics of Antarctica – Analysing changes in glacier and ice shelf front positions based on SAR time-series	Würzburg	2021	Künzer, C. (1) Kneisel, C. (2)
Bergerhoff, L.	Evolutionary Models for Signal Enhancement and Approximation	Saarbrücken	2021	Weickert, J. (1) Bruckstein, A. (2) Welk, M. (3)
Friesen, J.	Modellierung und Analyse urbaner informeller Siedlungen für infrastrukturelle Planungen	Darmstadt (TU)	2021	Pelz, P. (1) Taubenböck, H. (2)
Küchelbacher, L.	Charakterisierung der planetaren Wellendynamik und deren Kopplung innerhalb der Tropo-und Stratosphäre im Bereich der Mittelbreiten auf das Wettergeschehen	Augsburg	2021	Bittner, M. (1) Jacobeit, J. (2)
Sedlak, R.	Charakterisierung der Aktivität und Turbulenz von Schwerewellen in der mittleren Atmosphäre anhand von Spektrometer- und Imagerdaten des OH*-Airglow	Augsburg	2021	Bittner, M. (1) Albrecht, M. (2)
Tsai, Y.-L.	Using Spaceborne SAR for Snow Cover Extent Monitoring	Kiel	2021	Oppelt, N. (1) Dietz, A. (2)
Yu, S.	Urban land expansion in China and its effect on environment	Beijing (RADI), China	2021	Zhang, Z. (1)
Dahms, T.	Ableitung von biophysikalischen Parametern aus fusionierten hochfrequenten fernerkundlichen Zeitserien	Würzburg	2020	Conrad, C. (1) Paeth, H. (2)

Name	Title	University	Year	Reviewers
Hannawald, P.	Untersuchung von atmosphärischen Schwerewellen mit Kameradaten des OH-Nachtlichtens	Augsburg	2020	Bittner, M. (1) Wixforth, A. (2)
Hu, Z.	The potential of Earth Observation for the assessment of cold region dynamics in Europe	Würzburg	2020	Künzer, C. (1) Dech, S. (2)
Leichtle, T.	Change Detection for Applications in Urban Geography based on VHR Remote Sensing	Berlin (HU)	2020	Lakes, T. (1) Kleinschmidt, B. (2)
Li, Y.	Flood mapping in rural and urban areas with multi-temporal SAR intensity and InSAR coherence	München (LMU)	2020	Ludwig, R. (1) Strunz, G. (2)
Palacios-Lopez, D.	Leveraging Enhanced Built-up Area Characteristics to Improve Spatial Population Distribution Modelling	Osnabrück	2020	Reinartz, P. (1) Tatem, A. (2)
Sapena-Moll, M.	Analysis and development of urban land use fragmentation indicators from a spatio-temporal perspective	Valencia, Spain	2020	Fernandez, A.R. (1)
Tsyganskaya, V.	Detection of temporarily flooded vegetation using time series of dual polarised C-band synthetic aperture radar data	München (LMU)	2020	Ludwig, R. (1) Strunz, G. (2)
Voinov, S.	Deep Learning-based Vessel Detection from Very High and Medium Resolution Optical Satellite Images as Component of Maritime Surveillance Systems	Rostock	2020	Bill, R. (1) Heymann, F. (2)
Clauß, K.	Remote Sensing of Rice Areas – Mapping Rice Fields and Estimating Rice Production Employing Multi-Sensor Remote Sensing Time Series	Würzburg	2019	Künzer, C. (1) Dech, S. (2)
Friedl, P.	Derivation of glaciological parameters from time series of multi-mission remote sensing data – Applications to glaciers in Antarctica and the Karakoram	Erlangen	2019	Braun, M. (1) Humbert, A. (2)
Jilge, M.	Mapping urban surface materials with imaging spectroscopy data on different spatial scales	Bochum	2019	Jürgens, C. (1) Somers, B. (2)
Kübert, C.	Fernerkundung für das Phänologiemonitoring: Optimierung und Analyse des Ergrünungsbeginns	Würzburg	2019	Dech, S. (1) Paeth, H. (2)
Mancera, D.	Klimatologie der Aerosolvertikalverteilung in der Grenzschicht für Solarenergieanwendungen	Oldenburg	2019	Heinemann, D (1) N.N. (2)
Ottinger, M.	Earth Observation for the Assessment of Aquaculture in Coastal Regions - Deriving Aquaculture Areas and Estimating Production based on High Resolution SAR Time Series	Würzburg	2019	Künzer, C. (1) Dech, S. (2)
Da Ponte Canova, E.	Assessment of Forest Cover Dynamics in Paraguay. A case study of the Upper Parana Atlantic Forest	Kiel	2018	Oppelt, N. (1) Künzer, C. (2)
Georg, I.	New spatial dimensions of global cityscapes: Concepts and spatial methods for delineation	Salzburg, Austria	2018	Blaschke, T. (1) Taubenböck, H. (2)
Knauer, K.	Vegetation Dynamics in West Africa. Spatio-temporal Data Fusion for the Monitoring of Agricultural Expansion	Würzburg	2018	Künzer, C. (1) Conrad, C. (2)
Leutner, B.	Space for Communities: Quantifying Data Requirements for Remote Sensing Based Habitat Modeling	Würzburg	2018	Dech, S. (1) Müller, J. (2)

Name	Title	University	Year	Reviewers
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	2018	Masi, A. (1) Tramutoli, V. (2)
Nguyen, B. D.	Exploring SAR time series for the analyses of seasonality patterns	Wien, Austria	2018	Wagner, W. (1) Künzer, C. (2)
Wohlfahrt, C.	The Yellow River Basin in Transition - Multi-faceted Land Cover Change Analysis in the Yellow River Basin in the Context of Global Change Using Multi-Sensor Remote Sensing Imagery	Würzburg	2018	Künzer, C. (1) Conrad, C. (2)
Shi, L.	Analysis on the spatial pattern of Chinese urban lands and its development potential	Peking, China	2017	N.N. (1) N.N. (2)
Wei, C.	Quantifying urban growth and urban agglomeration in multi-scale areas	Salzburg, Austria	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)
Forkour, G.	Mapping Landuse and Landuse Change Pathways in the Sudanian Savanna of West Africa.	Würzburg	2015	Conrad, C. (1) Paeth, H. (2)
Fourie, C.	Sample supervised approaches for geographic object-based image analysis	Jena	2015	Hese, S. (1) Schmullius, C. (2)
Geiß, C.	Seismic vulnerability assessment of built environments with remote sensing	Berlin	2015	Lakes, T. (1) Taubenböck, H. (2)
Kerr, G.	Quality Assessment for Hyperspectral Airborne Systems: From Data up to Land-Products	Berlin	2015	Reulke, R. (1), Preusker, R. (2)
Kramer, R.	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)
Ullmann, T.	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)
Walz, Y.	Remote sensing for disease risk profiling: a spatial analysis of schistosomiasis in West Africa	Würzburg	2015	Dech, S. (1) Utzinger, J. (2)
Asam, S.	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)

Name	Title	University	Year	Reviewers
Ehrler, C.	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)
Klüser, L.	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)
Leinenkugel, P.	Land Cover Characteristics and Tree Cover Dynamics in the Mekong Basin. Analysing one decade of satellite data	Kiel	2014	Oppelt, N. (1) Künzer, C. (2)
Löw, F.	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)
Bayer, A.	Methodological Developments for Mapping Soil Constituents using Imaging Spectroscopy	Potsdam	2013	Kaufmann, H. (1) Dech, S. (2)
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) Künzer, C. (2)
Wurm, M.	Verknüpfung von Fernerkundungsdaten und Survey-Daten (SOEP und BASE-II) in städtischen Räumen für sozialwissenschaftliche Analysen	Graz, Austria	2013	Schardt, M. (1), Wagner, G. (2)

FU: Freie Universität Berlin

HS: Hochschule

HU: Humboldt-Universität Berlin

KIT: Karlsruher Institut für Technologie

LMU: Ludwigs-Maximilians-Universität München

TU: Technische Universität

RADI: Institute of Remote Sensing and Digital Earth (RADI) under the Chinese Academy of Sciences (CAS)

Graduate 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	Theses
<i>Ansah, C. E.</i>	Impact of oil spills on vegetation cover in the Niger Delta, Nigeria	Würzburg	Ongoing	M
Braun, B.	Untersuchung der räumlichen und zeitlichen Variabilität des OH-Nachthimmelleuchtens anhand von Kamera- und Satellitendaten	Augsburg	Ongoing	M
Brückner, S.	Analyse von Schwerewellen mittels Bilddaten des OH- und O ₂ -Nachtleuchtens	Augsburg	Ongoing	B
Cassaccia, C.	Impact of local governments on the Paraguayan Chaco forest (1986-2020)	Asunción, Paraguay	Ongoing	B
Dine, F.	Evaluation of the utility of radar data to provide model parameters for energy system analysis	Stuttgart (HS)	Ongoing	M
<i>Garcia, S.</i>	Estimating socio-economic variables in Boliva based on EO and electricity consumption data	Würzburg	Ongoing	M
Gassilloud, M.	Identifying intra-urban patterns globally using unsupervised learning	Heidelberg	Ongoing	M
Gnana, P. A.	Differentiation of urban and rural settlement patterns India	Stuttgart (HS)	Ongoing	M
<i>Gualsaqui, N.</i>	Pre-crop emergence weed mapping using high resolution satellite imagery	Würzburg	Ongoing	M
Heißerer, F.	Untersuchung des Zusammenhangs zwischen dem Aggregate Increased Risk Index (ARI) und wirtschaftlichen Aktivitäten für Norditalien	Augsburg	Ongoing	B
Helgert, S.	Analyse des Stadtklimas auf Basis von Erdbeobachtungs- und Crowd-Sourcing Daten	Eichstätt	Ongoing	M
Hoppe, H.	Crop Mapping Using Random Forest based on multi-temporal Sentinel-2	Stralsund (HS)	Ongoing	M
Kacic, P.	Forest Structure Analysis in the Paraguayan Chaco Based on Sentinel-1, Sentinel-2 and GEDI Data	Freiburg	Ongoing	M
Kamaraj, N. P.	Detecting spatial patterns of change in vegetation inside bavarian forest national park using multi- and hyperspectral datasets	Münster	Ongoing	M
<i>Karges, N.</i>	Exploring spatial relationships of soundscape variables in urban areas	Würzburg	Ongoing	M
Köberl, M.	Scaling of green space in cities	Graz	Ongoing	M
<i>Liu, K.</i>	Mapping Spatial-Temporal Dynamics of Asian Onshore Aquaculture Ponds using Landsat Archive	Würzburg	Ongoing	M
Luna Arevalo, F.	Estimation of Telluric Movements in High Consequence Areas of the Galeras Volcano (Colombia) Using Radar Images and Differential Interferometry Techniques	Stuttgart (HS)	Ongoing	M
Oster, J.	Untersuchung großräumiger Variationen im troposphärischen Stickstoffdioxid (NO ₂) über Norditalien	Augsburg	Ongoing	B

Name	Subject	University	Year	Theses
Otto, C.	Monitoring land-use change at the former inner German border using EO-data	München (HS)	Ongoing	B
Pattnaik, N.	Urban fabric changes in Europe: Quantifying the Urban Heat Island over a long-time span through satellite remote sensing	München (TU)	Ongoing	M
Peschke, S.	Analyse des Einflusses des meridionalen Temperaturgradienten an der Änderung der planetaren Wellenaktivität vor dem Hintergrund des Klimawandels	Augsburg	Ongoing	B
Rau, M.	Open surface water classific. based on different multispectral sensors at moderate spatial resolution and harmonization of derived time series data	München (LMU)	Ongoing	M
Rico Trujillo, L. J.	Mapping illegal gold mining in Colombia	Stuttgart (HS)	Ongoing	M
Ruiz Inigo, P.	Modeling the distribution of rice cropping suitability in Burkina Faso under different climate change scenarios by 2050	Bonn	Ongoing	M
Salinas, S.	Impact of local governments on the Paraguayan Chaco forest (1986-2020)	Asunción, Paraguay	Ongoing	B
Spieß, T.	Intra-Urban land-use gradients	Graz, Austria	Ongoing	M
Stöffelmair, U.	Analysen von Satelliten-Aerosol-Zeitreihen: Consistency, Trends und spezielle Episoden 2019/2020	Augsburg	Ongoing	M
Strobl, V.	Systematische Analyse von Segmentierungsmethoden der künstlichen Intelligenz zur großflächigen Gebäudeextraktion	Eichstätt	Ongoing	M
Trinkl, F.	Charakterisierung von Streamer-Ereignissen anhand verschiedener Windgrößen und der planetaren Wellenaktivität	Augsburg	Ongoing	B
Tubbesing, R.	Detailed landslide exposure analysis based on a building extraction with deep neural networks in Medellín, Columbia	Graz, Austria	Ongoing	M
Tuffour, D. R.	Mapping urban land use in Africa using Machine Learning and spatial metrics derived from the WSF3D datasets	Stuttgart (HS)	Ongoing	M
Vaithyanathan, S.K.	Comparing dispersion models for air pollution-health research at the Atmospheric Department of the Earth Observation Center (EOD-DLR)	Münster	Ongoing	M
Waweru, J. W.	Exploring the potential of remote sensing application to assess locust damage: A case study of the first and second wave locust invasion in Laikipia and Samburu counties, Kenya	Bonn	Ongoing	M
Witt, M.	Schneehydrologie aus Global SnowPack und TIMELINE	Würzburg	Ongoing	M
Zamora Ospina, C. E.	Deforestation Dynamics in the Dry Chaco Ecoregion; a three decades of change detection and fragmentation study analysis	Würzburg	Ongoing	M
Bartek, K.	Optimization of a Sentinel-2 burned area processor by integration of deep learning-based smoke segmentation	München (TU)	2021	M
Bauer, S.	Large-scale natural hazard risk modelling with earth observation data	München (HS)	2021	M

Name	Subject	University	Year	Theses
<i>Baumgartner, F.</i>	The potential of Sentinel-2 time series for yield estimation of a perennial wild plant mixture using machine learning	Würzburg	2021	M
Birkhold, J.	Satellite night-time light data for evaluating and monitoring the development of internally displaced people camps	Tübingen	2021	M
<i>Chiluisa, A.B.V.</i>	Spatio-temporal patterns of urban expansion among biomes in Ecuador using LULC data from 1990-2018.	Würzburg	2021	M
Dahal, A.	Super resolution aided multi hazard modeling: Is it possible?	Twente, Netherlands	2021	M
<i>Diaz, D. A. A.</i>	Exploring the potential of remote sensing using machine learning to predict yields for table grape farms in Chile.	Würzburg	2021	M
Fedrau, L.	Adaption und Modifikation eines einfachen Ansatzes zur Modellierung der Temperaturentwicklung oberflächennaher Bodenschichten unter Berücksichtigung der solaren Einstrahlung und Vegetation	Neubrandenburg (HS)	2021	B
<i>Fischer, M.</i>	Remote sensing and machine learning for irrigation mapping in complex landscapes: a case study in Mozambique	Würzburg	2021	M
<i>Fisser, H.</i>	Erfassung von Verkehrsaktivitätenmustern zur Ableitung von Verkehrsdichte und Emissionsfaktoren	Würzburg	2021	M
Götzer, S.	Effects of Incidence Angle Correction Methods on Flood Detection in Sentinel-1 GRD data	München (TU)	2021	M
<i>Groth, S.</i>	Using Street-level imagery and multi-task deep learning for multi-hazard risk related building characterization	Würzburg	2021	M
<i>Halbgewachs, M.</i>	A spectral mixture analysis and landscape metrics-based framework for monitoring spatio-temporal forest cover changes: a case study in Mato Grosso, Brazil	Würzburg	2021	M
Hauser, S.	Study of Axel Heiberg glacier using remote sensing	Jade Univ. of App. Sci.	2021	M
Helleis, M.	Water Mapping Using Synthetic Aperture Radar Data and Convolutional Neural Networks	München (TU)	2021	M
<i>Kassogue, I.</i>	Impact of Climate Extremes on Crop Production: Modelling Yield Loss Using Machine Learning Algorithms	Würzburg	2021	M
Königsmann, O.	Entwicklung und Implementation einer automatischen Prozesskette zur operationellen Vor- und Verarbeitung von Fernerkundungsdaten zur Gewinnung höherwertiger Informationsprodukte	Neubrandenburg (HS)	2021	B
Kriese, J.	Building damage classification in high-resolution satellite imagery with convolutional neural networks	München (TU)	2021	M
<i>Lappe, R.</i>	Assessing 30 years of coastline dynamics in Vietnam using the Landsat archive	Würzburg	2021	M
Lengauer, J.-E.	Untersuchungen zum Einfluss verschiedener atmosphärischer Druck- und Temperaturverteilungen auf die simulierten Winde für die Aeolus-Mission	Neubrandenburg (HS)	2021	B

Name	Subject	University	Year	Theses
Linder, M.	Veränderungen der stationären und laufenden Anteile der planetaren Wellenaktivität	Augsburg	2021	B
Luna Arevalo, F.	Estimation of Telluric Movements in High Consequence Areas of the Galeras Volcano (Colombia) Using Radar Images and Differential Interferometry Techniques	Stuttgart (HS)	2021	M
<i>Mast, J.</i>	Analysing the relationship between urban morphology and economic subcenters	Würzburg	2021	M
Mix, V.	Kartierung von Gletscherzonen aus TerraSAR-X und Sentinel-2 Daten am Beispiel des Manson Icefield (Kanada) zwischen 2017 und 2020	München (HS)	2021	B
<i>Müller, K.</i>	Creating High Resolution Normalized Digital Surface Models through Supervised Deep Learning using Sentinel-2 Data	Würzburg	2021	B
Ressel, A.	Multitemporale Untersuchungen des Spektralverhaltens offener Böden von landwirtschaftlichen Schlägen mit Hilfe von Sentinel 2 Daten am Beispiel DEMMIN im Mecklenburg-Vorpommern	Neubrandenburg (HS)	2021	M
Robbany, I.	Identification and Analysis of Tsunamigenic Volcanoes in Indonesia using Satellite-based Earth Observation Data	Hamburg	2021	M
<i>Rösch, M.</i>	Monitoring vulkanischer Naturgefahren in Indonesien - Veränderungsanalysen basierend auf hochaufgelösten PlanetScope Daten kombiniert mit weiteren Erdbeobachtungsdaten	Würzburg	2021	B
Schlenk, P.	Detection of Snowmelt Areas using Synthetic Aperture Radar Data in High Mountainous Central Asia	München (TU)	2021	M
Schultheiss, M.	Noise Emission Approximation through Open Geospatial Data	Freiburg	2021	M
<i>Schwarzenbacher, F.</i>	Habitat suitability modeling for Desert Locust in the Awash River basin: Estimation of the breeding probability based on remote sensing, climatology and environment data	Würzburg	2021	M
Seiche, A.	Aussterben der deutschen Innenstädte - Analyse des Einflusses unterschiedlicher Innenstadtmerkmale auf die Passantenfrequenz	Bonn	2021	B
Shaukat, S.	Adaptation of Temperature Vegetation Index approach to the Test-Sites in Germany and Pakistan	Neubrandenburg (HS)	2021	M
<i>Sogno, P.</i>	Earth Observation for Exposome Mapping - Proof of Concept and Case Study in Augsburg, Germany	Würzburg	2021	M
Sternberg, T.	Evaluierung des Nutzens von Fernerkundungsdaten zur Bereitstellung von Windkraft- und Kohlekraftwerksparemtern für die Energiesystemmodellierung	Magdeburg	2021	M
Strutz, J.	Entwicklung einer Prozessierungskette für ein Mikrobarographen-Array zur Detektion von Infraschall	Augsburg	2021	B
<i>Tufail, B.</i>	Monitoring the Displacement of an Active Tailings Dam in Peru using Persistent Scatterer Interferometry (PS-InSAR)	Würzburg	2021	M

Name	Subject	University	Year	Theses
Tuncbilek, O.	Semi-Supervised Virtual Support Vector Machines with Self-Learning Constraint for Remote Sensing Image Classification	München (TU)	2021	M
Welscher, A.	Analyse von Turbulenz in Airglow-Imager-Daten mithilfe künstl. Intelligenz	Augsburg	2021	B
Worbis, S.	The Structure Catalog - Exploring global refugee camp morphology using satellite imagery and cluster analysis	München (HS)	2021	B
Zehner, M.	Identification and characterization of urban trees using VHR remote sensing and auxiliary data	Jena	2021	M
<i>Abu, I.-O.</i>	Detection of Cocoa Plantages in complex forest landscapes Cocoa mapping in West Africa	Würzburg	2020	M
<i>Adelware, O.</i>	Application of Remote Sensing Techniques to detect historical landslides for improving risk assessment in Antioquia, Colombia	Würzburg	2020	M
Ahlswede, S.	Optimization of Convolutional Neural Networks for Hedgerow Object Detection in Very High-Resolution Satellite Images	Trier	2020	M
<i>Ahmed, F.</i>	Agricultural Landscape configuration and pattern analysis with VHR Imagery in Bavaria	Würzburg	2020	M
<i>Beck, L.</i>	Multi-Annual Flood Mapping using Multi-Sensor Satellite Data in the Ilishana Sub-Basin (Namibia/Angola)	Würzburg	2020	B
Blersch, M.	Validation of global urban density products with very high res. imagery	Heidelberg	2020	M
Bruno-Gaston, E.	Effects of lake ice on the detection of surface water from medium-spatial-resolution satellite data	München (TU)	2020	M
Brzoska, E.	Multioutput Regression für die Interpretation von Erdbeobachtungsdaten	Heidelberg	2020	M
<i>Buchelt, S.</i>	Mapping High-Resolution Spatio-Temporal Patterns of Snowmelt using Orthorectified Photo Cameras & Sentinel-1 Time Series Data	Würzburg	2020	M
Cevallos, G.	Deep Learning for detecting local urban green in German cities	München (HS)	2020	B
<i>Chamani, N.</i>	Investigation on the intra-annual variations of the relationship between Landsat 8-derived LST and spectral indices in West Africa	Würzburg	2020	M
Chepkirui Rono, D.	Extraction of 3D building information from DSM and use for population disaggregation	Stuttgart (HfT)	2020	M
Chow, H.	Analysis of Large-scale Atmospheric Gravity Waves as observed in Keograms of OH-Airglow Images	Augsburg	2020	M
Donike, S.	Using Machine Learning to derive Soil Information from Soil Reflectance Composites (SCMaP)	Köln	2020	B
Erdmann, A.-L.	Feldfruchtclassifikation mit Sentinel-1 und Sentinel-2 Daten für die Jahre 2017 bis 2019 und Detektion von sortenspezifischen Anomalien in der Region Turkistan, Kasachstan.	Tübingen	2020	B
Garbasevski, O.	Machine Learning for the prediction of building ages	Delft (TU), Netherlands	2020	M

Name	Subject	University	Year	Theses
<i>Glasmann, F.</i>	Potential of the Firebird Mission for the Detection of Gas-flaring Activity	Würzburg	2020	M
<i>Gnann, N.</i>	Plastic waste detection assisted by artificial intelligence	Würzburg	2020	M
<i>Hanika, P.</i>	Monitoring der deutschlandweiten Landbedeckung mittels hochauflösender Sentinel-2 Satellitenbilddaten	München (HS)	2020	B
<i>Hasenbein, K.</i>	The potential of time-series data to improve fine scale mapping of land use in heterogeneous landscapes	Würzburg	2020	M
<i>He, Y.</i>	Interaction Between Urban Densification and Green Spaces Using Multi-Temporal Sentinel Imagery – A Case Study of Munich	München (TU)	2020	M
<i>Hertrich, M.</i>	Aufbereitung, Analyse und Vergleich von digitalen Geländemodellen auf unterschiedlichen Detailebenen	München (LMU)	2020	B
<i>Klein, R.</i>	The Water Use Efficiency Monitor in Central Asia (WUEMoCA) as a tool for supporting water management in the Aral Sea Basin	Würzburg	2020	B
<i>Kluter, P.</i>	Deep Learning Approach to Ship Detection and Classification Using Synthetic Aperture Radar Data	Würzburg	2020	M
<i>Kurtenbach, M.</i>	Erfassung und Analyse der oberflächennahen Bodenfeuchte und deren Dynamik im agrarisch geprägten Süden Italiens mit fernerkundlichen Daten und Methodiken	Würzburg	2020	M
<i>Lee, B. C.</i>	Development of a semi-analytical model for seagrass mapping using cloud-based computing and open sourced optical satellite-data	Würzburg	2020	M
<i>Marzinke, T.</i>	Identifikation von Kräutern mit Methoden der Fernerkundung in Tunesien	Neubrandenb. (HS)	2020	M
<i>Ojo, S. A.</i>	Application of Remote Sensing Techniques to detect historical landslides for improving risk assessment in Antioquia, Colombia	Würzburg	2020	M
<i>Orthofer, A.</i>	Deriving Leaf Area Index and mowing dates for grasslands based on the radiative transfer model SLC and Sentinel 2 data	Würzburg	2020	M
<i>Priesmeier, P.</i>	Benefits of Earth Observation for Exposure Modelling	Köln (HS)	2020	M
<i>Rabuske, A.</i>	Unsupervised domain adaptation with multiple source domains	Berlin (HU)	2020	B
<i>Rieger, M.</i>	Klassifikation und Kartierung des Devon Ice Cap für den Zeitraum 2017 bis 2020 mit Hilfe der TerraSAR-X SAR Daten	München (HS)	2020	B
<i>Rieser, J.</i>	Multi-temporal analysis of biological soil crusts and their activity in response to rainfall using optical spectra in Lieberoser Heath, Brandenburg, Germany	Würzburg	2020	B
<i>Roth, F.</i>	Reference Water Mapping based on Sentinel-1 and -2	Wien, Aus.	2020	M
<i>Ruckriegel, S.</i>	Lichtemissionen in Deutschland	München (HS)	2020	B
<i>Soltani, S.</i>	Spatio-temporal Analysis of Urbanization caused by the New Silk Road	Würzburg	2020	M
<i>Steiner, S.</i>	Assessing the Potential of a Land Cover Dependent Snow Cover Detection Algorithm for the Global SnowPack	Würzburg	2020	M

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<i>Stumpf, L.</i>	Risikoanalyse des Radwegenetzes der Stadt Würzburg - Eine Fallstudie für den Stadtteil Frauenland	Würzburg	2020	B
<i>Taghavi, A.</i>	Potentials of cosmic-ray neutron probes for assessing and mapping SAR-based soil moisture in a Mediterranean forestry ecosystem	Würzburg	2020	M
<i>Thompson, K.</i>	Estimating the cost of turbidity and sediment impairments on bridge infrastructure	Bayreuth	2020	M
Till, J.	Orographische Schwerewellen im Alpenraum: Fallstudien zur Ausbreitung in der mittleren Atmosphäre	Augsburg	2020	M
<i>Turulski, K.</i>	Ableitung hyperspektraler Indices zur Bewertung von Trockenstress unter Verwendung von HySpeX Daten	Würzburg	2020	B
<i>Wagner, L.</i>	Analysis of NDVI time series in irrigated areas in Burkina Faso	Würzburg	2020	B
<i>Wang, M.</i>	Comparison of Surface Urban Heat Islands Using the World Settlement Footprint Imperviousness Layer	Würzburg	2020	M
Abdipourchena-restansofla, M.	Efficient sparse signal recovery of remote sensing data: a classification method for hyperspectral image data	Neubrandenb. (HS)	2019	M
Alkhalaf, B.	Damage detection in urban areas via Sentinel-1 imagery	Stuttgart (HfT)	2019	M
Almanstötter, M.	Development of a method for data analysis of atmospheric planetary waves combining harmonic Analysis and Hough functions	Augsburg	2019	M
Barkmann, H.	Generierung von Reports über den Zustand und die Zuverlässigkeit automatischer Datenprozessierungssysteme von Fernerkundungsdaten.	Darmstadt (HS)	2019	M
<i>Baron v. Freytag-Loringhoven, L.</i>	Remote sensing of water quality using Sentinel-2 towards a potential separation of Cyanobacteria blooms from other Algae	Würzburg	2019	M
Bauer, A.	Classification of supraglacial lakes on the Baltoro Glacier (Pakistan) using Sentinel-2 and Landsat-8 Data from 2016 to 2018 with the help of NDWI	München (HS)	2019	B
Bauer, S.	Automated Morphological Characterization of Urban Areas - Estimating Built-up Height and Density from TanDEM-X and Sentinel-2A Data	München (HS)	2019	B
Blocksdorf, A.	Development of an Automatic Process Chain for Estimating Post-fire Soil Erosion Susceptibility	Eichstätt-Ingolstadt	2019	M
Bosmediano Chiquin, F.	Gebäudetypenklassifizierung mit neuartigem Multi-Klassifikator-Verfahren zur Schadensabschätzung im Erdbebenfall	Stuttgart (HfT)	2019	M
Chang, Y. K.	Investigation of Change Detection using Sentinel-1 Data for Identifying Illegal Occupations Upon Government Land in Hong Kong	Stuttgart (HfT)	2019	M
Chun, S.	Assessing the Potential of Earth Observation Data to Differentiate Between Burned Area and Harvested Agricultural Land	Trier	2019	M

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Debray, H.	Analyze of the Relation between Cultural Areas and Urban Morphologies through remote sensing / Analyse des liens entre cultures et formes urbaines par utilisation de télédétection	Paris, France	2019	M
<i>Dhillon, M. S.</i>	Comparing the performance of crop growth models using synthetic remote sensing data at DEMMIN, Germany	Würzburg	2019	M
Diehl, F.	Windfarm detection based on Sentinel-1 imagery and deep learning techniques	Trier	2019	M
Droin, A.	Semantic labelling of building types A comparison of two approaches using Random Forest and Deep Learning	Graz, Austria	2019	M
Füstring, J.	Konzeptionierung einer App zur Reduktion von Messkosten und subjektiven Fehlereinflüssen für die Validierung von Fernerkundungsdaten	Stralsund (HS)	2019	M
Glawion, L.	Einfluss des Hale-Zyklus auf die Aktivität planetarer Wellen	Augsburg	2019	B
Goźawski, L.	Linking remote sensing and telemetry data for analysing landcover composition and effective habitat use of white storks at overnight and stopover sites during migration	München (HS)	2019	B
<i>Groll, M.</i>	Deep learning for Instance Segmentation of bomb craters on historical aerial images of the Second World War	Würzburg	2019	M
Gstaiger, V.	3D Informationen aus Fernerkundungsdaten für den Bevölkerungsschutz - Nutzungsmöglichkeiten am Beispiel zweier Großveranstaltungen	Bonn	2019	M
<i>Hendel, A.-L.</i>	Effects of rain-on-snow and basal ice on seasonal NDVI in High Arctic Svalbard: a multi-scale approach	Bayreuth	2019	M
Hilt, C.	Landnutzungs- und Landbedeckungsveränderung im Biosphärengebiet Schwäbische Alb	Tübingen	2019	B
Hüffer, V.	Modeling habitat suitability and outbreak potential of the italian locust Calliptamus ital. in Pavlodar Region, Kazakhstan based on remote sensing	Trier	2019	M
Knopp, L.	Development of a burned area processor based on Sentinel-2 data using deep learning	München (TU)	2019	M
Knorrscheidt, S.	Landnutzung in der Metropole Lagos	Tübingen	2019	B
Kühnl, M.	Derivation of urban mass concentrations from TanDEM-X data for the analysis of polycentric urban structures in the USA and Germany	München (LMU)	2019	M
Lange, A.	Hierarchische Aggregation der LoD-1-Gebäudefunktionen von Deutschland	Wien, Austria	2019	B
Lanzenberger, T.	Detektion und Kartierung von Lawinenabgängen mit Hilfe von Differenzbildern aus TerraSAR-X Daten	München (HS)	2019	B
Laux, D.	Einfluss planet. Wellen auf Auftreten und Häufigkeit von Extremtemperaturereignissen in der unteren Atmosphäre der mittleren Breiten	Augsburg	2019	M
Marzinke, T.	Risikomanagement: Wildfeuer im Nordwesten Tunesiens	Neubrandenb. (HS)	2019	B

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Mengen, D.	Modelling River Discharge using Automated Riverwidth Measurements derived from Sentinel-1 Timeseries within the Mekong Catchment	Köln (HS)	2019	M
Meßner, F.	Berechnung stadtstruktureller Parameter anhand einer objektorientierten Landbedeckungsklassifizierung aus Luftbilddaten der Landeshauptstadt München	Anhalt (HS)	2019	M
Miah, J.	Detecting and Assessing Ground Subsidence of Dhaka City, Bangladesh, Using Synthetic Aperture Radar Data of Sentinel-1	Würzburg	2019	M
Mönks, M.	Building facade segmentation of oblique aerial images using convolutional neural networks for urban climate modeling	Greifswald	2019	M
Nolting, S.	Risk Assessment for Flood Events based on Geo- and Socioeconomic Data - A Case Study for North-Rhine Westphalia, Germany	Würzburg	2019	M
Osterkamp, N.	Fernerkundliche Erfassung von städtischen Grünflächen – ein systematischer Vergleich mit Regressionsgleichungen	Bochum	2019	M
Pertiwi, A.	TanDEM-X and TerraSAR-X based Spüring Flood Simulation on the Lena Delta, Siberia	München (TU)	2019	M
Phillip, M.	Potential of harmonic analysis using remote sensing data for studying the effects of climate change induced weather extreme events on forest ecosystems	Würzburg	2019	M
Pinillios, P.	Flooding patterns and vegetation development in the Orinoco flooded savannas of Colombia	Würzburg	2019	M
Ramirez, A. F.	Estimating ground-level PM10 in Stuttgart using aerosol optical depth derived from Sentinel data	Stuttgart (HfT)	2019	M
Rau, A. / Bornebusch, T.	Arrival City – Formen des Andockens und ihre Wechselwirkungen	München (TU)	2019	M
Reiners, P.	Multi-annual assessment of a new consistent AVHRR Land Surface Temperature product using MODIS LST and in situ measurements	Marburg	2019	M
Reiter, M.	Comparing Urban Green Spaces in German Cities Using Rem. Sens. Data	Würzburg	2019	M
Renkel, J.	Vergleich phänologischer Kartieransätze auf der Basis terrestrischer und satellitenbasierter Modellsysteme	Würzburg	2019	B
Rörsch, S.	Development of a semi-automated method to measure solar potential	Würzburg	2019	M
Saadallah, A.	The Potential of Earth Observation for Monitoring Agricultural Lands in Egypt (1984-2017)	Würzburg	2019	M
Sauerbrey, J.	Integration of SAR and Optical Satellite Imagery: Time-Series Analysis of Sentinel-1 and Sentinel-2 Imagery for Detection of Active Morphodynamics: A Case Study in the Atacama Desert, Chile	Würzburg	2019	M
Schneider, F.	Entwicklung der Ansteuerung eines schwenkbaren Spiegelsystems für die Erkennung von Tsunamisignaturen im oH-Airglow	Augsburg	2019	B
Schubert, M.	Forest Monitoring in the biosphere reserve Schwäbische Alb	Tübingen	2019	M

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<i>Seibold, D.</i>	Untersuchung verschiedener OH- und O ₂ -Airglowmessungen hinsichtlich ihrer Eignung für das Studium der atmosphärischen Dynamik in der Mesopausenregion	Augsburg	2019	M
<i>Selbmann, A.-K.</i>	Spatial patterns of wildfire severity and vegetation in the Yukon-Kuskokwim-Delta, Alaska	Bayreuth	2019	M
<i>Selvaraj, B.</i>	Assessing the development of circle irrigation in South Africa since 2000	Würzburg	2019	M
Soto Calderón, A.	Earthquake loss modelling in Chile with earth observation and statistical data	München (TU)	2019	M
Thalhofer, M.	The Role of Planetary Wave Activity for Sudden Stratospheric Warmings with Special Focus on the Major Warming in 2017/2018	Augsburg	2019	B
<i>Wachter, J.</i>	Fernerkundungsbasierte Untersuchung der Auswirkungen eines Dammbrochs auf die Vegetation - eine Schadensanalyse am Beispiel Brumadinho, Brasilien mit Sentinel-2-Zeitreihen	Würzburg	2019	B
Weusthoff, M.	Großwohnsiedlung Scharnhorst-Ost: Blick von unten und Blick von oben.	Dortmund	2019	B
<i>Wiertz, K.</i>	Development of a semi-automatic remote sensing approach for change-detection of forest structures in Bialowieza Forest	Würzburg	2019	M
<i>Witt, M.</i>	Analyse der Sensitivität verschiedener fernerkundlicher Datensätze und Methoden zur Kartierung unterschiedlicher Waldveränderung	Würzburg	2019	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)	2018	M
Basdas, K.	Globaler Vergleich von Versiegelungsgraden urbaner Agglomerationen	München (HS)	2018	B
Bauer, A.	Klassifizierung der Seen auf dem Baltoro-Gletscher mithilfe von Sentinel-2 und Landsat-8 Daten im Zeitraum 2016 bis 2018	München (HS)	2018	B
Bauer, A.	Soil Repository – Determination of Thresholds for the Detection of Active Soils from Landsat Time Series	Ebertswalde (HS)	2018	M
<i>Baumgartner, F.</i>	Objektorientierte Erstellung eines digitalen Friedhofsplans mittels hochauflöser Drohnen-Luftbilder: Eine Fallstudie für die Gemeinde Kürnach	Würzburg	2018	B
<i>Bhagwat, T.</i>	Bird's Eye View: Using bird migration patterns for land-cover classifications	Bayreuth	2018	M
Biebel, M.	Untersuchung des Zusammenhangs zwischen dem Hurrikan Ophelia und Schwerewellen im Airglow über Oberpfaffenhofen	Augsburg	2018	D
Borngräber, S.	Eignung von Fernerkundungsdaten zur Ableitung des flächendeckenden Wärmebedarfs von Wohngebäuden in Baden – Württemberg	Tübingen	2018	M
Bosmediano, F.	Ensemble Learning Techniques for Building Type Classification	Stuttgart (HS)	2018	M
Cerri, M.	Multivariable flood damage modelling for residential buildings using open data with random forests	München (TU)	2018	M

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<i>Dahle, F.</i>	Räumliche Analyse von Siedlungsstrukturen und sozio-ökonomische Parameter für Europa	Würzburg	2018	B
Dinh Dieu, A.	Spatio-temporal analysis of flood patterns in the Mekong Delta based on satellite data time series"	Faro, Portugal	2018	M
Füsting, J.	Bewertung des Einflusses von Wind auf das Trackingverhalten eines Parabolantennensystems	Stralsund (HOST)	2018	B
Gstaiger, V.	3D-Informationen aus Fernerkundungsdaten für den Bevölkerungsschutz - Nutzungsmöglichkeiten am Beispiel zweier Großveranstaltungen	Bonn	2018	M
Gutwinski, M.	Entwicklung und Analyse eines Informationssystems urbaner hyperspektraler Bildspektren	Bochum	2018	M
Huang, R.	Geo-Information extraction from Tweets	Tübingen	2018	M
Kupfer, N.	A novel land use and land cover product for the Mekong Delta based on high spatial resolution, satellite data time series	Heidelberg	2018	M
Lange, A.	Erfassung und Analyse von Grünflächen auf Basis optischer Satellitenbilddaten für ausgewählte Städte in Deutschland	Wien, Austria	2018	B
Liu, C.	Assessment of Chinese Typhoon Disaster Situation Based on VGI	München (TU)	2018	M
<i>Martini, M.</i>	Automated three detection: applications for object-based image analysis in arid systems	Bayreuth	2018	M
Marzinke, T.	Risikomanagement: Wildfeuer im Nordwesten Tunesiens	Neubrandenb. (HS)	2018	B
Mast, J.	Analyse und Vergleich der Oberflächenstruktur von Gemeinden in Nordrhein-Westfalen anhand des Local-Climate Zone Konzeptes	Hannover	2018	B
Mc Kenna, A.	Analysis of potential habitats for the species red deer (<i>Cervus elaphus</i>) in Mecklenburg Vorpommern	Eberswalde (HS), Warsaw	2018	M
Miesgang, C.	Evaluierung, Kalibrierung und Validierung eines Algorithmus zur Detektion von Brandflächen mit Sentinel-3 OLCI Daten auf Basis der Active Level Set Methode	München (LMU)	2018	M
Paulik, F.	Supervised Machine Learning for Spectral Classification using Hyperspectral Images of Semi-Arid Regions	München (LMU)	2018	M
<i>Reinermann, S.</i>	Extreme Events in Europe between 2000 and 2017: Analysis of Vegetation Dynamics based on Earth Observation Time Series	Bayreuth	2018	M
Schiller, C.	Analyse und Anwendung von terrestrischen und satellitengestützten Umweltdaten in der Landwirtschaft	Potsdam	2018	M
Schork, K.	Ableitung der Schneeflächen aus einer Kombination von Sentinel-1 und Sentinel-2 in drei Untersuchungsgebieten	Augsburg	2018	M
Schrade, H.	Machine Learning-based Regression for Characterization of Urban Environments with Sentinel-2	Augsburg	2018	M

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<i>Schwalb-Willmann, J.</i>	A deep learning movement prediction framework for identifying anomalies in animal-environment interactions	Würzburg	2018	M
Shakya, H.	Computing flood frequency and Duration from Earth Observation data	München (TU)	2018	M
Sill, S.	GIS-gestützte Analyse von Klimatopen in der Stadt Tübingen - Auf Basis der Oberflächentemperaturen aus ASTER-Thermalkarten	Tübingen	2018	B
Sokolovska, A.	Optimization of Payload Data Downlink Strategy for EO Missions Using Ka-band Downlink Technology	München (TU)	2018	M
Stark, T.	Using Deep Convolutional Neural Networks for the Identification of Informal Settlements to Improve a Sustainable Development in Urban Environments	München (TU)	2018	M
Steffen, J.	Analyse der Lage der Wellenfronten eines tsunamiinduzierten Infraschallereignisses vor der Küste Chiles in der Mesopausenregion	Augsburg	2018	B
Stiller, D.	Analysing Spatio-temporal Patterns of Coastal Aquaculture Based on Three Decades of Satellite Data	Bayreuth	2018	M
Talapatra, M.	Modelling Population Distribution using Global Urban Footprint (GUF) and VHR SAR Imagery for Java, Indonesia	Stuttgart (HS)	2018	M
Wagner, L.	Feasibility study of a dashboard for extended monitoring of system components in the German satellite data archive	Fulda (HS)	2018	B
<i>Weber, M.</i>	Räumliche Vorhersage verschiedener Vogelarten mit Hilfe der Fernerkundung	Würzburg	2018	B
Yavsan, Z.	Spektral aufgelöste Analyse der Aktivität von atmosph. Schwerewellen in der Mesopause an verschiedenen geographischen Breiten	Augsburg	2018	B
<i>Zehner, M.</i>	Detection of impervious soil area in multispectral remote sensing - a comparison	Würzburg	2018	B
Anarbekov, B.	Irrigated crop maps through remote sensing data for better water management in "Quva Orta Buz Anori" water consumers association level in Fergana valley	Almaty, Kazakhstan	2017	M
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	M
<i>Biber, M.</i>	Can animal movement and remote sensing data help to improve conservation efforts? A case study on plains and Grevy's zebra	Bayreuth	2017	M
<i>Binning, J.</i>	Entwicklung eines räumlich-dynamischen Ansatzes zur fernerkundungsbasierten Modellierung der tatsächlichen Evapotranspiration von Bewässerungsregionen im Aralseebecken	Würzburg	2017	M
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
Borngräber, S.	Erdbeobachtungspotential im Kontext von kommunalen Wärmeplänen	Tübingen	2017	M

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<i>Brandl, V.</i>	Evaluierung von Sentinel-3-Daten für die Zwecke der Landbedeckungsklassifikation	Würzburg	2017	B
Cwik, K.	Flood mapping with the Sentinel-1 time-series data in arid areas	München (TU)	2017	M
Deck, R.	The Potential of Open Geodata and Multi-Temporal Landsat Data for Automated Large-Scale Land Use and Land Cover Classification	Augsburg	2017	M
Devi Eswaramoorthy, V.	Increasing the Statistical Significance for MODIS Active Fire Hotspots in Portugal Using One-Class Support Vector Machines	München (TU)	2017	M
Färber, V.	Analysing drought severity in Ethiopia using high resolution optical satellite data	Innsbruck, Austria	2017	M
Fetik, Y.	Supervised machine learning of fullcube hyperspectral data	Salzburg, Austria	2017	M
<i>Glaser, P.</i>	Random-Forest-Klassifikation agrarischer Landnutzungsflächen mithilfe von Sentinel-1-Daten am Beispiel östliches Harvorland	Würzburg	2017	B
<i>Hammer, L.</i>	Erklärung räumlichen Verhaltens von Störchen mittels Fernerkundung	Würzburg	2017	B
Hintermaier, S.	Rekonstruktion von Bodenradar-Daten des Vernagtferrers aus multifrequenten SAR-Aufnahmen	München (HS)	2017	B
Kalusche, E.	Ableitung zeitlich und räumlich variabler Emissionsfaktoren für den Raum München und Augsburg aus realistischen Verkehrsdichten	Augsburg	2017	M
<i>Karg, S.</i>	Burn scar detection using polarimetric ALOS-2 time-series data	Bayreuth	2017	M
Kühnlenz, S.	Beitrag zur Ermittlung des Bodensignals zur verbesserten Ableitung des Vegetationssignals aus Fernerkundungsdaten	Neubrandenb. (HS)	2017	M
Li, P.	Evaluation and improvement of a dual-channel method for detection and quantification of high-temperature events based on FireBIRD data	Stuttgart	2017	M
Macheleidt, L.	Census versus morphological slums derived from EO data - A spatial comparison of locations and structures for two megacities in Brazil	Kiel	2017	B
<i>Maier, P.</i>	Modellierung von Erntemengen für Hopfensorten in der Hallertau mittels Deep Learning Algorithmen auf Basis von Klima- und Satellitendaten	Würzburg	2017	M
Mittelstädt, L.	Untersuchung des Halbjahresgangs der Temperatur und Zusammenhang mit der Albedo	Augsburg	2017	M
Müller, I.	Exposition und Lage von Slums in Megastädten - eine Analyse mit Hilfe von Fernerkundung	Kiel	2017	M
Murawski, M.	Morphologie von Großwohnsiedlungen – Eine Strukturanalyse städtebaulicher Großwohnsiedlungen basierend auf räumlichen Daten	Kiel	2017	M
<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	M
<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	M

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Reck, R.	Tree Species Classification in the Bavarian Forest National Park using Hyperspectral Remote Sensing and Site-Specific Information	Augsburg	2017	M
Reuß, F.	Detection of favelas in Brazil using texture parameters and machine learning	Graz, Austria	2017	M
Rohde, A.	Satellitengestützte Analyse der Feinstaubkonzentration über Deutschland	Augsburg	2017	M
Roth, G.	Umsetzung eines MODIS-basierten Prozessors zur Detektion von Flutflächen in Python	München (LMU)	2017	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	M
<i>Schulte, H.</i>	Quantifying landcover change using remote sensing data in a transboundary protected area	Bayreuth	2017	M
<i>Staab, J.</i>	Applying Computer Vision for Monitoring Visitor Numbers – A Geographical Approach	Würzburg	2017	M
<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	M
<i>Von Uslar, J.</i>	Der Einfluss stratifizierter Sampling Methoden auf multi-temporale, objektbasierte Random-Forest Klassifikation	Würzburg	2017	M
Weigand, M.	SAR Image Feature Analysis for Slum Detection in Megacities	Augsburg	2017	M
Winkler, K.	Assessment of agricultural drought over Africa and its relation to El Niño-Southern Oscillation using remote sensing-based time series	Tübingen	2017	M
Wittmann, C.	Aufbau eines Infrarotspektrometers zur Beobachtung verschiedener OH-Rotations-Vibrationsbanden in atmosphärischen Nachtleuchten	Augsburg	2017	M
<i>Baumann, M.</i>	Entwicklung der landwirtschaftlichen Nitratbelastung des bayerischen Mains vor dem Hintergrund der Europäischen Wasserrahmenrichtlinie	Würzburg	2016	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	M
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, Austria	2016	M
Bettinger, M.	Entwicklung einer Prozesskette zur automatischen Detektion von Brandflächen auf der Basis von Sentinel-2 Daten	München (TU)	2016	M
<i>Bolkart, M.</i>	Mapping and Monitoring Locust Habitats in the Aral Sea Region based on Satellite Earth Observation Data	Würzburg	2016	M
Dada, E.	Monitoring and Evaluating Temporal Changes of Cocoa Plantation in Ondo State, Nigeria with Remote Sensing Techniques	Stuttgart (HS)	2016	M

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Deb, P.	Settlement Pattern Analysis of Germany based on Global Human Settlement Raster Data Sets	Stuttgart (HS)	2016	M
<i>Eger, D.</i>	Ernteabtragsabschätzung von Winterweizen mittels hochauflösender spektraler Daten	Würzburg	2016	B
Eswaramoorthy, V.-D.	Increasing the Statistical Significance for MODIS Active Fire Hotspots in Portugal Using One-Class Support Vector Machines	München (TU)	2016	M
Ferstl, J.	Klassifizierung und Kategorisierung von Regionen in Europa - Eine Analyse von Siedlungsmustern abgeleitet aus Erdbeobachtungsdaten des Global Urban Footprint	München (HS)	2016	B
Fix, M.	Signaturen von Infraschall im atmosphärischen Luftleuchten	Augsburg	2016	M
Fürmann, M.	Evaluation of High Temperature Event Detection Algorithms with the space-borne TET-1 Infrared Sensor	Stockholm, Sweden	2016	M
<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
<i>Groll, M.</i>	Verwendung eines PROSPECT Inversionsmodells zur Ableitung von Trockenmasse und Chlorophyllgehalt durch Spektrometernmessungen auf Weizenfeldern	Würzburg	2016	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	M
Heisig, J.	A multitemporal land cover classification of Bavaria from Landsat 8 satellite data	München (LMU)	2016	B
<i>Katz, E.</i>	Untersuchung der Volumenschwankungen des Sarykamyschsee mit Hilfe fernerkundlicher Methoden	Würzburg	2016	B
Kovatsch, M.	Earth Observation Based Monitoring of the Refugee Camp Yida in South Sudan and Its Impact on the Environment	München (TU)	2016	M
Küchelbacher, L.	Variabilität und Trends planetarer Wellen der mittleren Atmosphäre der Nordhalbkugel	Augsburg	2016	M
<i>Kuhn, J.</i>	Using very high-resolution remote sensing imagery to assess crop diversity in the Fergana Valley, Uzbekistan	Würzburg	2016	M
Kühnl, M.	Räumliche Strukturen informeller Besiedlung in Europa	Augsburg	2016	B
<i>Lambrecht, L.</i>	Untersuchung und Besprechung der fernerkundlich erfassten Veränderung der Landnutzung in Nord-Ghana unter Berücksichtigung des Niederschlags	Würzburg	2016	B
<i>Löw, J.</i>	Analyse der Bodenfeuchteentwicklung in zentralasiatischen Bewässerungssystemen anhand von CCI Soil Moisture- Zeitserien	Würzburg	2016	B
Majhen, P.	Objektbasierte Klassifikation und physiognomischer Strukturvergleich der informellen Siedlungstypen in der Metropolregion Greater Cairo	Graz, Austria	2016	M

Name	Subject	University	Year	Theses
Müller, T.	Analysis of the spectral calibration of NOAA-AVHRR sensors and correcting its effects using hyperspectral data	Salzburg, Austria	2016	M
Offenwanger, T.	Räumliche Charakteristik atmosphärischer Wellen in OH*-Airglowdaten: Anwendung eines neuen Messverfahrens basierend auf IR-Spektrometern	Augsburg	2016	M
Pitz, N.	Quantitative Analyse der informellen Siedlungsstrukturen in Caracas	Gießen	2016	B
Premier, J. B.	The Lynx Effect: Behaviour of Roe Deer in the Presence of Lynx in a European Forest Ecosystem	Würzburg	2016	M
Roersch, S.	Urbane Entwicklung und Struktur im ländlichen Raum Usbekistans am Beispiel des Ferganatal	Würzburg	2016	B
Sauerbrey, J. A.	Volumenschwankungen von Stauwasserseen im Gebiet Khorezm, Usbekistan	Würzburg	2016	B
Schlegel, I.	Potentiale von Erdbeobachtungsdaten für die Ableitung von Vulnerabilitätsindikatoren im Delta des Gelben Flusses, China	Hamburg	2016	M
Schmöckel, J.	Analyse von Schwerewellen und ihren nicht-linearen resonanten Wechselwirkungen über den Alpen basierend auf TIMED-SABER Temperaturprofilen	Augsburg	2016	M
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	M
Schöler, C.	Moderne Webtechnologien und –standards als Basis für die Entwicklung eines Webportals für das Projekt IMPC	Neubrandenb. (HS)	2016	B
Schröter, E.	Innovative Visualisierungen von Kriseninformation auf Basis von Fernerkundungsdaten: UAS-gestützte Lagebilderfassung für zivile Sicherheitsanwendungen	Hamburg	2016	M
Schröther, T.	Untersuchung des Einflusses von Polarisierungseffekten bei der Beobachtung des OH*-Leuchtens mit dem IR-Spektrometer GRIPS	Augsburg	2016	B
Schubert, H.	Vorhersagegüte räumlicher Texturmerkmale in der hochaufgelösten Landbedeckungsklassifikation mit Hilfe von maschinellen Lernverfahren	Jena	2016	B
Schumann, B.	Ermittlung der Baumkronendichte des Ober- und Unterstandes in heterogenen Wäldern mit Hilfe von multitemporalen LiDAR-Daten	Würzburg	2016	M
Schwalb-Willmann, J.	Comparison of different algorithms for calculating broadband albedo from AVHRR data	München (LMU)	2016	B
Schwarz, M.	Auswertung satellitenbasierter Langzeitreihen zur Stickstoffdioxidbelastung globaler Megacities	München (LMU)	2016	B
Sedlak, R.	Aufbau eines neuen Airglow Imagers zur Messung kleinskaliger dynamischer Strukturen in der mittleren Atmosphäre	Augsburg	2016	M
Sostmann, H.	Vergleich unterschiedlicher statistischer Verfahren zur Ableitung biophysikalischer Parameter aus RapidEye Daten	Würzburg	2016	B

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<i>Stelzner, T.</i>	Einfluss der Wasserverfügbarkeit auf Dynamik der Nutzungsintensität landwirtschaftlicher Flächen in zentralasiatischen Bewässerungsgebieten	Würzburg	2016	B
<i>Stephani, A.</i>	Impact of remote sensing characteristics for biodiversity monitoring - A case study of Southern Myanmar mangroves	Bayreuth	2016	M
Tavri, A.	Flood monitoring based on multi-temporal Sentinel-1 data - a synergistic approach of amplitude data with interferometric coherence	München (TU)	2016	M
<i>Ulloa Torre-alba, Y. Z.</i>	Land change in the Main catchment with an Object Based approach using eCognition	Bayreuth	2016	M
Üreyen, S.	Monitoring urban growth by means of multi-temporal time-series of optical Landsat data	Jena	2016	M
<i>Asja, B.</i>	Mind the Gap: A Global Analysis of Grassland Fragmentation using MODIS Land Cover Data	Bayreuth	2015	M
<i>Baron v. 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
Bauer, P.	Räumliche Analyse der Megaregionen Chinas auf Basis von Daten des Global Urban Footprint	München (LMU)	2015	B
<i>Bernd, A.</i>	Global Grassland intactness analysis (working title)	Bayreuth	2015	M
<i>Beroya-Eitner, M.</i>	Flood Vulnerability Index for Delta Socio-Economical Systems: Application to the Mekong River Delta, Vietnam	Bayreuth	2015	M
Birkholz, R.	Multitemporale Analyse von Landbedeckungs-/ Landnutzungsänderungen entlang des Ili-Flusslaufs und deren Auswirkungen auf das Ökosystem des Flussdeltas	Jena	2015	M
<i>Broszeit, A.</i>	Assessing long-term inland water quality using satellite imagery: A feasibility and validation study of different lake types	Würzburg	2015	M
Bürgmann, T.	Investigating the Separability of Slums in Mumbai based on RADARSAT Images using Object-based Image Analysis Methods	Karlsruhe (HS)	2015	B
Fissmer, B.	Multitemporal analysis and statistical evaluation of Radar backscatter and bi-static coherence of flood affected areas	Bochum	2015	M
Fricke, J.	Slums in Rio de Janeiro. Spatial and temporal analyses of slums derived from remote sensing data based on visual image interpretation	Augsburg	2015	B
Friedl, P.	Ableitung glaziologischer Parameter aus ERS-SAR-Daten auf der Antarktischen Halbinsel	Erlangen	2015	M
Gebhardt, V.	Untersuchung eines möglichen Einflusses der Albedo auf die Mesopausenregion	München (LMU)	2015	B
<i>Gnoyke, P.</i>	Large Land Acquisitions in East Africa. An examination of spatial dynamics through remote sensing	Bayreuth	2015	M
<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	M

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Henkel, F.	Automatische Erstellung von GDI-DE konformen Produktmetadaten im Kontext der Krisenkartierung	Salzburg, Austria	2015	M
Hess, A.	Deforestation in Myanmar-what can we say about causes?	Würzburg	2015	M
Hill, S.	Predicting the Forest Development after Natural Disturbance in the Bavarian Forest National Park using Airborne LiDAR	Würzburg	2015	M
Holzzapfel, J.	Statistische Ableitung der Chlorophyllkonzentration auf Weizenfeldern des Kalibrations- und Validationstestfeldes DEMMIN mittels Fernerkundungsdaten und Feldmessungen	Würzburg	2015	B
Homolka, A.	Entwicklung einer standardisierten Schnittstelle zur funktionalen Erweiterung von WPS-Diensten (am Beispiel des GZS MODIS Feuerservices)	Jena	2015	M
Jung, S.	Variabilität der solaren Einstrahlung in 1-Minuten aufgelösten Strahlungszeitserien	Augsburg	2015	M
Kasten, A.	Entwicklung eines Verfahrens zur automatisierten Küstenlinienerkennung aus monospektralen Fernerkundungsbildern	Neubrandenb. (HS)	2015	M
Kazlova, A.	Adaptation of an algorithm based on the two dimensional Fast-Fourier-Transform (FFT) for the analysis of OH-airglow intensity measurements	München (LMU)	2015	M
Klink, A.	Kleinmaßstäbige Erfassung von Baumarten mittels multisensoraler Fernerkundungsdaten	Würzburg	2015	B
Loewert, C.	Analyse der Siedlungsentwicklung in der Stadt Dano in Südwest Burkina Faso in den Jahren 2009-2014	Würzburg	2015	B
Malec, S.	Assessment of Soil erosion parameters in Costa Rica using reflectance hyperspectral and simulated EnMAP imagery	Bayreuth	2015	M
März, F.	Untersuchung verschiedener Eisklassifizierungsverfahren mit TerraSAR-X am Beispiel vom Algonquin Nationalpark in Ontario, Kanada	München (LMU)	2015	B
Neiß, M.	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	M
Pausch, M.	Konzeption, Design und prototypische Entwicklung eines kartographischen, multimedialen Kriseninformationssystems	München (HS)	2015	M
Pletziger, F.	Workflow zur Visualisierung von OpenStreetMap-Daten im Kontext Kriseninformationen	Bochum	2015	B
Rossi, M.	Statistische Analyse von Standortfaktoren zur Erklärung phänologischer Zeitpunkte am Beispiel von Grünlandflächen im Alpenvorland	Würzburg	2015	M
Schauß, A.	Joint Use of Remote Sensing and Volunteered Geographic Information for Exposure Estimation	Heidelberg	2015	M
Schlegel, I.	Potentiale von Erdbeobachtungsdaten für die Ableitung von Vulnerabilitätsindikatoren im Delta des Gelben Flusses, China	Hamburg	2015	M
Schneider, N.	Klassifikation von informellen Siedlungen am Beispiel Kapstadt - Eine Analyse auf der Grundlage von hochauflösenden Radar- und Zensusdaten	München (LMU)	2015	M

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<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	M
Singhammer, M.	Veränderungsanalyse der Siedlungsstruktur in der Nildeltaregion auf Grundlage von multitemporalen Satellitenbilddaten	München (HS)	2015	B
Sirueri, F.	Comparing spatial patterns of informal settlements between Nairobi and Dar es Salaam	Twente, Netherlands	2015	M
Sommer, C.	Feature based tree species classification using airborne hyperspectral and LiDAR data for the Bavarian Forster National Park	München (LMU)	2015	M
<i>Staab, J.</i>	Remote Sensing based evaluation of settlement develop. of Abuja City	Würzburg	2015	B
Standfuß, I.	Validation of the European Urban Atlas & Automatic Classification of Urban Structures utilizing Cartosat-1 nDSM Data	Bochum	2015	M
Utz, S.	Zeitliche Entwicklung von Siedlungsstrukturen in Nord- und Südkorea	München (HS)	2015	B
<i>Vollmuth, M.</i>	Zusammenhänge der Schneedynamik und des Abflussverhaltens im Einzugsgebiet des Naryn - Statistische Betrachtungen und physiogeographische Erklärungen	Würzburg	2015	M
<i>Wisböck, S.</i>	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
<i>Zellner, P.</i>	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	M
Zepp, S.	Entwicklung eines multi-skaligen Ansatzes zur Erfassung und Auswertung bergbaubedingter Veränderungen der Landoberfläche am Beispiel eines Altbaugebietes in Südafrika	München (LMU)	2015	M
<i>Baron, D.</i>	Analysis of MODIS time series data for characterization of hydrometeorological factors in relation to landslide activity in Southern Kyrgyzstan	Würzburg	2014	M
Böck, M.	Konzeption und Umsetzung von Webmapping-Applikationen zur Visualisierung krisenrelevanter Informationen	München (HS)	2014	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	Dresden	2014	M
<i>Dahms, T.</i>	Phänologische Analysen basierend auf fusionierten Zeitserien aus RapidEye und Landsat Daten	Würzburg	2014	M
El Fouly, M.	Entwicklung einer Web Mapping Anwendung für einen fernerkundungsgestützten Feuer- und Wasserservice	München (TU)	2014	M
<i>Fabritius, H.</i>	Optimierung eines auf Satellitendaten beruhenden Pflanzenwachstumsmodell am Beispiel von Winterweizen in Deutschland	Würzburg	2014	M
<i>Färber, V.</i>	Stadtstruktureller Vergleich von Slums in türkischen Großstädten unter Verwendung von Satellitendaten	Würzburg	2014	B

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<i>Flock, H.</i>	„Lokale Energiewende“ - Fernerkundliche Veränderungsanalyse der agrarischen Landschaftsstruktur durch den Bau von Biogasanlagen in Süddeutschland	Würzburg	2014	D
Fürmann, M.	Evaluation von Methoden zur Erkennung von aktiven Feuern mit AVHRR	München (LMU)	2014	B
<i>Gaub, V.</i>	Untersuchung der Lebensräume in 3D: Wie ändert sich das Mikroklima unter verschiedenen Einzelbaumbedingungen im Nationalpark Bay. Wald	Würzburg	2014	D
Glas, S.	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
Hannawald, P.	Aufbau eines Infrarotkameranagements zur Messung von atmosphärischen Schwerewellen und Infraschall im OH-Nachtlicht	Augsburg	2014	M
Hartmann, M	Geoportale benutzerfreundlich gestalten: Design- und Usability-Empfehlungen für Geoportale unter Berücksichtigung unterschiedlicher Benutzergruppen	Pfungstadt (HS)	2014	M
Henning, L.	Early Recognition of Changes in the Health Status of Norway Spruce with Hyperspectral Data	Eberswalde	2014	M
Jilge, M.	Seismic Vulnerability Assessment of large Urban Areas using the TanDEM-X Mission and RapidEye Data	Salzburg, Austria	2014	M
Küchelbacher, L.	Die Stratosphärenwärmungen 2012/2013: Einfluss der großräumigen Dynamik auf die Stratosphäre und Mesosphäre	Augsburg	2014	B
Kuner, J.	Abschätzung der kleinräumigen Bevölkerungsverteilung in der Megastadt Mumbai mit Methoden der Fernerkundung	Augsburg	2014	B
Kunze, M.	Entwicklung einer Webapplikation in Form eines Dashboards für das Deutsche Satellitendatenarchiv	Kempten (HS)	2014	B
<i>Landkammer, S.</i>	Statistische Ableitung von fPAR für Baumwolle in Zentralasien aus RapidEye-Daten	Würzburg	2014	B
Meister, L.-M.	Verwendung von Daten aus Social Media im Zusammenhang mit den Services des ZKI	Karlsruhe	2014	B
Naghadeh, N. M.	Large-scale characterization of human settlement patterns using binary settlement masks from globally available TerraSAR-X data.	Stuttgart	2014	M
Offenwanger, T.	Intercomparison/Validation mit Airglow-Temperaturdaten: Einflüsse des atmosphärischen Rauschens und dynamischer Prozesse	Augsburg	2014	B
<i>Ortmann, A.</i>	Estimating land cover changes and current carbon stock in Tanzania in the context of REDD+	Bayreuth	2014	M
Pausch, M.	Entwicklung einer Visualisierungstechnik für Hochgebirgsregionen auf Basis von WorldView-2- und TanDEM-X-Daten	München (HS)	2014	B
Poncet-Montages, A.	Classification of urban structural types (UST) using multiple data sources and spatial priors	Lausanne, Switzerland	2014	M

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<i>Reger, A.</i>	Weizenmärkte in Zentralasien und im Kaukasus - Warenkette, Handel und Perspektiven	Würzburg	2014	B
Richter, D.	Raumzeitliche Erfassung des Siedlungswachstums mittels Auswertung von Zeitserien multispektraler Erdbeobachtungsdaten	München (HS)	2014	D
Rieke, C.	Analyse und statistische Auswertung von multitemporalen Radardaten für die verbesserte Hochwasserdetektion	Jena	2014	B
Roch, M.	Revealing forest cover loss in Paraguay's Atlantic Forest region - A remote sensing and GIS based forest monitoring	Salzburg, Austria	2014	M
<i>Rudloff, M.</i>	Siedlungsflächenentwicklung im ländlichen Raum Usbekistans am Beispiel Khorezm	Würzburg	2014	M
<i>Rudolph, A.</i>	Modeling species distribution in Kenya influenced by environmental parameters using Random Forest algorithm	Würzburg	2014	B
Sander, D.	Aufbau eines automatischen Messsystems zur Erfassung und Auswertung des Wolkenbedeckungsgrades in der Antarktis	München (TU)	2014	B
Schleicher, R.	Konzeption und Umsetzung einer Webmapping-Applikation zur Visualisierung raum-zeitlicher Veränderungen ausgewählter Ballungsräume	München (HS)	2014	M
<i>Serfas, K.</i>	Räumlicher Zusammenhang zwischen Schistosomiasisprävalenz und möglichen Krankheitsübertragungsstätten am Beispiel der Elfenbeinküste	Würzburg	2014	B
<i>Sokol, V.</i>	Interaction between white stork migration patterns and urban environment in Germany	Bayreuth	2014	M
Starmanns, S.	Spatial disaggregation of population data onto Urban Footprint data	Innsbruck, Austria	2014	M
Stolle, A.	Quantitativer Vergleich von Bildsegmentierungsverfahren als Grundlage für die semiautomatische Extrahierung von kleinräumigen Objekten im Kontext von Großveranstaltungen	Potsdam	2014	M
Tsyganskaya, V.	Ableitung und Analyse von großflächigen Informationen zur urbanen Struktur mit Methoden der Fernerkundung	München (LMU)	2014	M
Voinov, S.	Modeling population distribution based on EO-derived data on the built environment	Stuttgart (HfT)	2014	M
<i>Weigand, M.</i>	Discrimination of formal and informal settlements based on multipolarized TSX imagery in the Megacity Mumbai, India	Würzburg	2014	B
Wildegger, M.	Multi-Project Management in Research and Development of International Corporations	München (FOM)	2014	B
<i>Ziewers, K.</i>	Declining migratory avian species in the UK: a consequence of habitat quality alteration in Western Africa? A case study using RS data	Bayreuth	2014	M
<i>Alavi, S.</i>	Analyzing urban spatial patterns in conjunction with urban heat patterns	Bayreuth	2013	M
Aravena Pelizari, P.	Estimation of seismic building structural types using remote sensing and machine learning	München (LMU)	2013	D

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<i>Bell, A.</i>	Application of behavioral change point analysis and species distribution models in conservation	Bayreuth	2013	M
Bettinger, M.	Verbesserung eines automatischen MODIS-Hochwasserprozessors durch Methoden zur Trennung von Wasserflächen und Wolkenschatten	München (HS)	2013	B
<i>Binnig, J.</i>	Multitemporale Auswertung hyperspektraler Bilddaten zur Veränderungsanalyse ausgewählter Bodenparameter am Beispiel eines Braunkohletagebaugesbietes	Würzburg	2013	B
<i>Bolkart, M.</i>	Lidar-Daten und Waldstrukturmaße: eine sinnvolle Kombination?	Würzburg	2013	B
<i>Braun, D.</i>	Estimating the current and future human impact in Tanzania for wildlife corridor management	Bayreuth	2013	M
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
<i>Camerer, A.</i>	Fernerkundungsbasierte Bestimmung der Landnutzung zur Verbesserung der Wasserproduktivität in Punjab, Pakistan	Würzburg	2013	D
Cao, W.	Change detection using TerraSAR-X data	Stuttgart	2013	D
<i>Dambros, C.</i>	Analyzing forest fragmentation characteristics along continuous vegetation gradients	Bayreuth	2013	M
<i>Fliehm, E.</i>	Entwicklung der kasachischen Bewässerungsregion Kyzylorda – fernerkundliche Analyse der Degradierung landwirtschaftlicher Nutzflächen mittels Landsat-Zeitserien	Würzburg	2013	D
<i>Gnoyke, P.</i>	Analyzing landgrabbing in Africa using Remote Sensing Data	Bayreuth	2013	M
Gouda, N.	Auswirkungen des Klimawandels auf die Wasserversorgung im Mittelmeerraum - Risikoabschätzung, Vulnerabilitäten und Anpassungsstrategien	München (TU)	2013	D
Hanrieder, B.	Hochwasser in Thailand - Erstellung und Validierung von Flutmasken aus HR-/ VHR- Daten	München (TU)	2013	M
Harsch, C.	Modellierung der Spurengasemissionen von Punktquellen am Beispiel einer Mineralölraffinerie	Augsburg	2013	D
Hartmann, A.	Subpixelbasierte Landnutzungs- und Landbedeckungsklassifikation in Westafrika mit MODIS-Daten	München (LMU)	2013	M
Hoffmann, A.	Risiko- und Unsicherheitsanalyse hydrologischer Gefahren im Mittelmeerraum	München (LMU)	2013	D
Huster, L.	Analyse der regionalen und globalen Belastung mit troposphärischem Stickstoffdioxid anhand von Satellitendaten des GOME-2 Instruments	Augsburg	2013	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	M

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<i>Kachelriess, D.</i>	Analysis of the effectivity of Marin Protected Areas – a case study using Remote Sensing for the Cargos Archipelago	Bayreuth	2013	M
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
Lesko, L.	Vergleich der räumlichen Entwicklung von Siedlungsmustern in ost- und westeuropäischen Städten basierend auf multitemporalen Fernerkundungsdaten	Eberswalde (FH)	2013	D
Mancera Guevara, D.	Generation of a CALIPSO climatology of near-surface boundary layer aerosols for solar energy application	Oldenburg	2013	M
<i>Petersen, M.</i>	Einfluss von Umweltparametern auf Käferpopulationen im Nationalpark Bayerischer Wald – Ein Ansatz mit LiDAR	Würzburg	2013	B
<i>Plum, C.</i>	Global Survey of Earth Observation for Biodiversity and Conservation	Bayreuth	2013	M
Reichmuth, A.	Detection of Forest Parameters using Imaging Spectroscopy	Dresden (HS)	2013	M
Schack, J.	Ableitung von Signalen laufender planetarer Wellen aus dem Dynamischen Aktivitätsindex (DAI) und Vergleich der mesosphärischen Aktivität planetarer Wellen	München (HS)	2013	B
Schulz, J.	Untersuchung zur Vergleichbarkeit von Luftmessstationen und Modellprognosen am Beispiel der Schwarzwaldregion	Augsburg	2013	B
<i>Schumann, B.</i>	Raum-zeitliche Charakterisierung von Borkenkäferbefallen mit Hilfe von Zeitreihen mittel- und hochaufgelöster Fernerkundungsdaten	Würzburg	2013	B
<i>Von Uslar, J.</i>	Statistische Ableitung des LAI für Wälder im bayrischen Voralpenraum basierend auf RapidEye-Daten und Feldmessungen	Würzburg	2013	B
Warth, G.	Automatische Hochwassererkennung anhand der Verwendung bistatischer Kohärenzdaten der TanDEM-X Mission	Tübingen	2013	MA
Wegner, M.	Evaluierung des Deutschen Satellitendatenarchivs auf Nachhaltigkeit und Effizienz	München (HS)	2013	M
<i>Wohlfart, C.</i>	Mapping tropical dry forest in South East Asia using a continuous cover approach	Bayreuth	2013	M
<i>Zellner, P.</i>	Optimierung regionaldifferenzierter Landnutzungsparameter für das hydrologische Modell ArcEGMO am Beispiel zweier Einzugsgebiete in Brandenburg	Würzburg	2013	B
Zepp, S.	Untersuchung der Variation der Mesopausentemperatur im Hinblick auf durch Erdbeben erzeugte Infraschallwellen	München (LMU)	2013	B

FH: Fachhochschule
 HS: Hochschule
 HFT: Hochschule für Technik
 HU: Humboldt-Universität
 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 (≥ 4 weeks stay) or by department of Remote Sensing at University of Würzburg (in *italic typeface*)

Name	Period	Home Institution	Funding
Adriano, B.	11/2018	RIKEN Center for Advanced Intelligence, Tokyo, Japan	BMBF
<i>Ayanu, Y.</i>	08/2013	Universität Bayreuth	Universität Bayreuth
<i>Baatuuwie, B.</i>	07/2014	Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana	WASCAL
Banks, S.	10/2012 – 03/2013	Carleton University, Ottawa, Canada	DLR
Barahonas Contreras, A.	10/2019	CENAT-PRIAS, San José, Costa Rica	MONEOWET
<i>Batsaikhan, A.</i>	01/2016 – 02/2018	Universität Würzburg	MICMoR-Stipendium
<i>Benewindé Zoungrana, J-B.</i>	03/2015 – 05/2015	KNUST, Kumasi (Ghana)	WASCAL
<i>Benewindé Zoungrana, J-B.</i>	09/2016 – 12/2016	KNUST, Kumasi (Ghana)	Uni-Wü Stipendium
Cian F.	01/2015 – 04/2015	University Ca' Foscari Venice Department of Economics Italy	University Ca' Foscari Venice
Cipriano, A.	05/2013 – 06/2013	Universidad Católica de Chile, Santiago, Chile	DAAD
Confuorto, P.	10/2014 – 05/2015	University Naples, Naples, Italy	University Neapel
<i>Coulibaly, M.</i>	04/2018 – 05/2018	KNUST, Kumasi (Ghana)	WASCAL
Da Cunda Fernandes, L.	07/2015 – 08/2015	University of Alberta, Edmonton, Canada	University Alberta
<i>Danumah, J. H.</i>	12/2014 – 01/2015 04/2015 – 05/2015	KNUST, Kumasi (Ghana)	WASCAL
De Araujo Sousa, M.	09/2018 – 11/2018	Universidade Federal de Santa Maria – UFSM, Brasilien	Universidade Federal de Santa Maria
<i>Degen, A.</i>	10/2015 – 05/2016	Universität Bochum	WASCAL
<i>Degtyareva, O.</i>	11/2016 – 12/2016 06/2017 – 07/2017	Abu Nasr al-Farabi Al-Farabi Kazakh National University, Kazakhstan	LaVaCCA, VW-Stiftung
Di, X.	09/2016 – 05/2017	Shanghai Normal University, China	Shanghai Normal University

Name	Period	Home Institution	Funding
Dong, R.	09/2019 – 09/2022	University Wuhan, China	CSC
Du, X.	09/2016 – 10/2018	Institute of Remote Sensing and Digital Earth, Beijing, China	DAAD-CSC
Dunker, T.	03/2015 – 04/2015	University of Tromsø, Norway	Research Council of Norway
Ferraz, F.	09/2013 – 10/2013 03/2014 – 04/2014	Fado Consulting, South Africa	DAAD
<i>Forkuor, G.</i>	09/2011 – 06/2014	Universität Würzburg	Stipendium im WASCAL Projekt
Georg, I.	01/2016 – 12/2017	University Salzburg	None
Geuß, U.	11/2019 – 02/2020	Landesamt für Umwelt, Bayern, Deutschland	None
Gudadze, N.	02/2015 – 05/2015	E. Kharadze Abastumani Astrophysical Observatory at Ilia State University, Tbilisi, Georgia	Lelp Shota Rustaveli National Science Foundation, Tbilisi, Georgia
Heimhuber, V.	06/2019 – 07/2019	University of New South Wales, Sydney, Australia (UNSW)	UNSW
Herbst, T.	08/2017 – 12/2018	Universität Heidelberg	Self financing
Hideomi, G.	09/2012 – 03/2013	Tohoku University, Sendai, Japan	Japan Society for the Promotion of Science (JSPS)
Hu, Z.	10/2016 – 10/2019	keine (vorher Uni Trier)	CSC
Irwin, K.	10/2016 – 11/2016	Queen's University, Kingston, Canada	Queen's University
<i>Jafarijozani, H.</i>	03/2015 – 09/2015	Universität Stuttgart	Self-financing
<i>Kenjabaev, S.</i>	11/2015 – 12/2015 09/2017 – 10/2017	SIC ICWC Tashkent, Uzbekistan	CAWa Auswärtiges Amt
<i>Khare, S.</i>	09/2015 – 11/2015	Indian Institute of Technology (IIT) Roorkee, Indien	Scholarship from India
<i>Khare, S.</i>	06/2016 – 07/2016	Indian Institute of Technology (IIT) Roorkee, Indien	DAAD
Kaushik, S.	10/2021 – 09/2022	Indian Institute of Science, Bangalore, Indien	DAAD
<i>Kitapbayev, A.</i>	07/2017	German-Kazakh-University, Almaty, Kazakhstan	CAWa, Auswärtiges Amt
Kleissl, J.	09/2015 – 12/2015	University of California, San Diego, USA	University San Diego

Name	Period	Home Institution	Funding
Kumar, P. A.	07/2016 – 09/2016 03/2017 – 05/2018	Indian Institute of Space Science and Technology, India	BMBF Green Talent Humboldt Climate Protection Fellowships
Li, Y.	11/2016 – 01/2021	China Scholarship Council (CSC)	CSC
Liuzzi, M.	09/2016 – 12/2018	University of Basilicata, Italy	University of Basilicata, Italy
<i>Mahmood, T.</i>	07/2017 – 06/2020	Universität Würzburg	Higher Education Commission (HEC) Pakistan über DAAD
<i>Mahmoud, M. I.</i>	12/2014 – 06/2015	KNUST, Kumasi (Ghana)	WASCAL
<i>Mensah, A.Y.</i>	01/2018 – 03/2018 11/2018 – 12/2018	KNUST, Kumasi (Ghana)	WASCAL
Monsalve, M.	11/2018	Research Center for Integrated Disaster Risk Management (CIGIDEN), Pontificia Universidad Católica de Chile, Santiago de Chile	CIGIDEN
Moya, L.	11/2018	International Research Institute of Disaster Science Tokio	Tohoku University, Tokio, Japan
<i>Naghavi, H.</i>	08/2013 – 02/2014	Dept. of Forestry, Sari Agricultural and Natural Resources University, Mazandaran, Iran	University Mazandaran, Iran
<i>Nyamekye, C.</i>	01/2018 – 03/2018	KNUST, Kumasi (Ghana)	WASCAL
<i>Pannicia, C.</i>	04/2018 – 08/2018	Environmetrics Lab, Dep. Biosciences and Territory – DiBT, University of Molise	University of Molise
Salehi, S.	10/2015 – 12/2015	Geological Survey of Denmark and Greenland (GEUS) / Copenhagen University	GEUS
Sapena Moll, M.	09/2018 – 01/2019	Polytechnic University of Valencia (UPV), Spain	UPV
<i>Selvakumaran, S.</i>	07/2017 – 09/2017 01/2018 – 03/2018	Cambridge University	Cambridge University
<i>Shankar, S.</i>	05/2015 – 06/2015	Anna University Chennai	DAAD
Shi, L.	09/2016 – 09/2017	Institute of Remote Sensing and Digital Earth, Beijing, China	National Science Foundation of China
Shi, L.	09/2018 – 02/2020	University Nanjing, China	University Nanjing, China

Name	Period	Home Institution	Funding
Shi, Y.	10/2017 – 03/2018	University Twente, The Netherlands	China Scholarship Council
<i>Simon, S.</i>	07/2017 – 08/2017	Federal University of Technology, Minna, Nigeria	WASCAL
Song, Z.	11/2013 – 11/2014	China University of Mining and Technology, Beijing, China	National Science Foundation of China
Stettner, S.	02/2015 – 03/2015	Alfred Wegener Institute	AWI
Strano, E.	06/2013 – 07/2013	Geographic Information Systems Laboratory, Lausanne, Switzerland	Geographic Information Systems Laboratory, Lausanne, Switzerland
Strano, E.	06/2016 – 12/2017	Massachusetts Institute of Technology (MIT), Boston, USA	Swiss National Science Foundation
<i>Sultanov, M.</i>	10/2015 – 12/2015 10/2016 – 12/2016	Khorezm Rural Advisory Support Service (KRASS), Urgench, Uzbekistan	LaVaCCA, VW-Stiftung
Sun, Z.	06/2013 – 12/2013	Institute of Remote Sensing and Digital Earth, Beijing, China	DAAD
Toshpulatov, R.	04/2016 – 05/2016	Scientific-Information Center of the Interstate Coordination Water Commission of the Central Asia (SIC ICWC), Tashkent, Uzbekistan	CAWa, Auswärtiges Amt
Tsyganskaya, V.	12/2014 – 11/2017	LMU München	LMU München
Yang, B.	06/2013 – 09/2013	Hunan Normal University, Hunan, China	DAAD
Yu, S.	10/2019 – 10/2020	Institute of Remote Sensing and Digital Earth, Beijing, China	China Scholarship Council
Xu, D.	10/2016 – 09/2017	Shanghai Normal University	SNU Stipendium
<i>Zaitov, S.</i>	04/2016 – 06/2016 06/2018 12/2018	Scientific-Information Center of the Interstate Coordination Water Commission of the Central Asia (SIC ICWC), Tashkent, Uzbekistan	CAWa, Auswärtiges Amt
<i>Zhao, J.</i>	11/2019 – 11/2020	University Wuhan, China	
<i>Zhiyenbek, A.</i>	06/2018 – 07/2018	German-Kazakh-University, Almaty, Kazakhstan	CAWa, Auswärtiges Amt

Professional Leaves

Periods of stay by DFD staff or by department of Remote Sensing staff at University of Würzburg (in *italic typeface*) at external institutions since 2013 (≥ 4 weeks)

Staff Member	Institution	Period	Funding
Aravena Pelizari, P.	Research Center for Integrated Disaster Risk Management (CIGIDEN), Pontificia Universidad Católica de Chile, Santiago de Chile	12/2018	DLR / BMBF
<i>Conrad, C.</i>	Universität Halle, Institut für Geowissenschaften und Geologie, Fachgebiet Geoökologie und physische Geographie	10/2017 – 09/2019	Universität Halle
Geiß, C.	University of Cambridge	09/2017 – 02/2018	DLR/HGF
Killius, N.	Mines Paristech, Department Observations, Impacts, Énergie (OIE), Sophia-Antipolis, France	10/2015 – 12/2015	ESA
Molch, K.	European Space Agency, European Space Research Institute (ESA-ESRIN), Italy	09/2014 – 01/2015	DLR, ESA
Molch, K.	European Commission, Directorate-General for Defence Industry and Space (DG DEFIS), Brussels, Belgium	05/2019 – 05/2021	DLR
Nolde, M.	Instituto Nacional de Pesquisas Espaciais (INPE), São José dos Campos, Brasilien	10/2018	DLR
Riedlinger, T.	European Commission, Directorate-General Enterprise and Industry (DG ENTR), GMES Office, Brussels, Belgium	06/2011 – 08/2013	DLR
Roth, A.	Environment Canada, Canada	07/2013 – 10/2013	DLR
Schöckel, T.	Indonesian Agency for Meteorology, Climatology and Geophysics (BMKG) Jakarta, Indonesia	10/2010 – 03/2014	BMZ-CIM
Schöpfer, E.	Research Center for Integrated Disaster Risk Management (CIGIDEN), Pontificia Universidad Católica de Chile, Santiago de Chile	02/2019 – 05/2019	DLR / BMBF
Taubenböck, H.	London School of Economics, UK	07/2019 – 09/2019	DLR
Wachter, P.	Universidad Santiago de Chile (USACH), Chile. Incl. Expedition to Union Glacier, Antarctica	11/2016 – 12/2016	DLR
Wachter, P.	South African National Antarctic Programme (SANAP), South Africa. Incl. Expedition onboard Research Vessel S.A. Agulhas II, Antarctica	01/2020 – 03/2020	DLR
Wendleder, A.	Environment Canada, Climate Research Division	11/2019 – 12/2019	DLR

Conferences

(Co-)Organized 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
6 – 7 Oct 2021	DLR Humanitarian Technology Days	Online conference	ca. 80
28 Sep – 1 Oct 2021	1 st DESIS User Workshop	Online conference	ca. 200
22 – 23 Sep 2021	WASCAL Symposium	Würzburg	
8 Jun 2021	EXCELSIOR: Atmospheric & Climate Research	Online conference	ca. 50
27 Jan – 10 Mar 2021	RIESGOS “Eventos Virtuales”	Online conference	ca. 800
28 – 29 Oct 2020	DLR Humanitarian Technology Days	Online conference	ca. 100
15 Jul 2020	EXCELSIOR International Technical Workshop	Online conference	ca. 60
3 – 7 Feb 2020	5th VAO-Symposium	Bern, Switzerland	ca. 50
21 – 24 Oct 2019	TerraSAR-X/TanDEM-X Science Team Meeting	Oberpfaffenhofen	ca. 200
5 – 7 Jun 2019	HSM User Konferenz 2019	Ulrichshusen	ca. 60
19 – 21 Feb 2019	Big Data from Space	München	ca. 650
6 – 7 Feb 2019	DLR – Humanitarian Technology Days 2019	Oberpfaffenhofen	ca. 100
20 Nov 2018	Workshop: International Cooperation in Earth Observation; ISPRS TC V Mid Term Symposium	Dehradun, India	ca. 100
22 – 25 Oct 2018	CEOS WGISS-46	Oberpfaffenhofen	ca. 50
19 Jun 2018	ISPRS – UNISPACE Forum. 50 yrs of Earth Observation	Vienna, Austria	ca. 50
6 – 8 Jun 2018	Storagetechnologie-Konferenz 2018	Ulrichshusen	ca. 80
18 – 19 Mar 2018	AEROSAT workshop 2018	Washington, USA	ca. 70
13 – 15 Mar 2018	The Virtual Alpine Observatory Symposium (VAO)	Grenoble, CH	ca. 100
12 – 13 Oct 2017	AEROSAT workshop 2017	Helsinki, Finland	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 Apr 2017	C-SIGMA Workshop VII	Lisbon, Portugal	ca. 60
28 – 30 Mar 2017	The Virtual Alpine Observatory Symposium (VAO)	Bolzano, Italy	ca. 100

Date	Event	Location	Participants
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, China	ca. 100
14 – 20 Jul 2016	ISPRS Space Agency Forum	Prague, Czech Republic	ca. 100
15 – 17 Jun 2016	Storagetechnology 2016	Rostock	ca. 90
30 May – 3 Jun 2016	1. Nationaler Binnengewässerworkshop	Neustrelitz	ca. 50
7 Apr 2016	Remote Sensing Science Center for Cultural Heritage Workshop	Paphos, Zypern	ca. 60
6 Nov 2015	7th MICMoR Research Forum	Würzburg	ca. 50
4 – 5 Nov 2015	National Copernicus Workshop	Berlin	ca. 300
28 – 30 Oct 2015	The Virtual Alpine Observatory Symposium (VAO)	Salzburg, Austria	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
17 – 19 Jun 2015	7. SAM-QFS Nutzerkonferenz 2015	Göhren-Lebbin	ca. 100
11 – 15 May 2015	36 th International Symposium on Remote Sensing of Environment (ISRSE)	Berlin	ca. 750
11 – 13 May 2015	4. Nationaler Weltraumwetterworkshop	Neustrelitz	ca. 50
16 – 19 Mar 2015	RSCY2015 – Third International Conference on RS and Geo-Information of the Environment	Paphos, Cyprus	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, England	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
5 – 8 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	ca. 200
5 – 7 Jun 2013	6th SAM-FS/QFS Nutzerkonferenz	Klink	ca. 50

Date	Event	Location	Participants
4 – 6 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	ca. 75
5 – 7 Mar 2013	Mekong Environmental Symposium 2013	Ho Chi Minh, Vietnam	ca. 400
9 – 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*)

Lecturer	Title	Event	Location	Date
Bachmann, M.	Results of the DESIS Imaging Spectrometer on board the International Space Station	NASA SBG Cal/Val Workshop	online	07/2020
Bittner, M.	Some remarks on the Virtual Alpine Observatory	5 th VAO Symposium	Bern, Switzerland	02/2020
	Infrasound Explorer: ein Vorschlag für eine satellitengetragene Erdbeobachtungsmission aus Bayern	Kabinettsitzung des Bayr. Ministerrats	Zugspitze (UFS)	07/2018
	Klimawandel: Extremwetter, Luftverschmutzung und Gesundheit	Klausurtagung der Koalitions-Fraktionsspitzen von CDU, CSU, SPD	Zugspitze	04/2018
	Joining forces instead duplicating efforts in climate monitoring - the Virtual Alpine Observatory	4 th VAO Symposium	Grenoble, France	03/2018
	Climate Change – Identify and Act on Risks	Hearing of the European Committee of the Regions	Brussels, Belgium	06/2017
	Recent progress in the remote sensing of atmospheric waves and coupling processes	COSPAR	Istanbul, Turkey	08/2016
Dech, S.	Das Zentrum für satellitengestützte Kriseninformation	Parlamentarische Gesellschaft	Berlin	09/2019
	Entwicklung der Erdbeobachtung aus Sicht der Wissenschaft	5. INNOspace Workshop	Augsburg	10/2016
	Globale Herausforderungen	Parlamentarische Gesellschaft	Berlin	12/2015

Lecturer	Title	Event	Location	Date
	Möglichkeiten satellitengestützter Erdbeobachtung	Arbeitsgruppe Außenpolitik der SPD-Bundestagsfraktion	Berlin	05/2015
	Anthropozän – Fernerkundung eines Planeten im Wandel	8. Forschungstag Raumfahrt	Köln	03/2015
	Was leistet die Raumfahrt für die Energiewende? Einige Möglichkeiten der Erdbeobachtung	Acatech	Bonn-Oberkassel	02/2015
	Fernerkundung für eine Welt im Wandel	Nationales Forum für Fernerkundung und Copernicus	Berlin	04/2014
Erbertseher, T.	Nutzungspotentiale der Satellitenfernerkundung für umweltmeteorologische Anwendungen	Deutsche Fachtagung für Umweltmeteorologie	Offenbach	03/2015
	The Role of Earth Observation in Urban Air Quality Monitoring and Forecasting	Mediterranean City 2014	Athens, Greece	06/2014
	Developments in Regional and Local Air Quality Monitoring and Forecasting	International Air Quality Conference	Garmisch-Partenkirchen	03/2014
Esch, T.	A New Platform for Global Urban Monitoring and Analysis - The Urban TEP	ESA EO Open Science Conference	Frascati, Italy	09/2017
	Observing the Built Environment from Space - Global Monitoring of Human Settlement Patterns and Characteristics	The Mediterranean City Conference	Athens, Greece	06/2014
Geiß, C.	Multi-risk concepts and methodologies	RIESGOS Eventos Virtuales	Online	01/2021
	The Effects of Administrative Units for Monitoring Urbanization and Natural Hazard Risk Assessment	Real Corp	Online	09/2020
	Naturgefahrenrisiko im Zeitalter globaler Urbanisierung	Symposium „Trends und Herausforderungen satellitengestützter EO für Wirtschaft und Gesellschaft	Graz, Austria	05/2017
Gessner, U.	Fernerkundung für Landwirtschaft und Ernährungssicherheit	AK Fernerkundung, AK Auswertung von FE-Daten, Methoden und Anwendungen der Fernerkundung als Beiträge zur nachhaltigen Entwicklung	Heidelberg	10/2018
	Potential and Challenges of Earth Observation Time Series for the Analysis of Global Change	38th Annual EARSeL Symposium	Chania, Griechenland	07/2018

Lecturer	Title	Event	Location	Date
Heiden, U.	Using spectral libraries for imaging spectroscopy analyses – the urban example	ISSI WORKSHOP	Bern, Switzerland	11/2016
Klein, D.	Challenges of Earth Observation for Global Change Monitoring	EARSEL Symposium	Bonn	06/2016
Klein, I.	The Potential of Earth Observation for the Analysis of River Deltas and the Coastal Zone	ASLO 2018 - Water connects	Victoria, Canada	06/2018
Künzer, C.	Earth Observation for Biodiversity Monitoring	MPI-CAS Strategic Meeting	Shanghai, China	11/2019
	The Potential of Earth Observation for the Analysis of River Deltas and the Coastal Zone	ASLO 2018 - Water connects	Victoria, Canada	06/2018
	Langzeit-Erdbeobachtungsdaten für die Analyse globaler Veränderungen	Leopoldina Symposium Erdbeobachtung durch Tiere – Chancen und Perspektiven	Berlin	09/2016
	Earth Observation Time Series for Global Environmental Change	ISDE 2016	Beijing, China	07/2016
	The Potential of Earth Observation Data for the Monitoring of large River Deltas - examples from selected deltas around the world	European Space Solutions	The Hague, The Netherlands	06/2016
	The Potential of Time Series Based Earth Observation for the Monitoring of Large River Deltas	American Geophysical Union, AGU Fall Meeting	San Francisco, USA	12/2015
	The potential of Earth Observation for the Monitoring of Delta and Estuary Dynamics Examples from the Yellow River-, and the Mekong Delta	ECSCA 53	Shanghai, China	10/2013
	Opening Speech of the Mekong Environmental Symposium	Mekong Environmental Symposium	Ho Chi Minh City, Vietnam	03/2013
Latifi, H.	Remote sensing - assisted mapping of bark beetle-induced tree mortality	ForBioSens 2016	Bialowieza, Poland	11/2016
Lechner, K.	Using Earth Observation for security applications at the Center for Satellite Based Crisis Information (ZKI).	ESA Security Conference - Space for European Security Policies	Frascati, Italy	11/2021
	Next generation emergency mapping	DRIVER+ Advanced Crisis Management Conference	Brussels, Belgium	02/2020
Leutner, B.	Potentiale der Fernerkundung für die Forschung zu Biodiversitätsfragestellungen.	152. Jahresversammlung der Deutschen Ornithologen Gesellschaft	Marburg	09/2019

Lecturer	Title	Event	Location	Date
Mandery, N.	A User Focused Approach to Use WPS Processes for the Natural Hazard Domain and Multi-Risk Assessment	52North Geospatial Sensing Conference 2019	Münster	09/2019
Popp, T.	ESA's Aerosol_cci project	AEROCOM annual assembly	Frascati, Italy	10/2015
Rogge, D.	From proximal to satellite geological spectral sensing, a perspective for resource exploration	ISSI WORKSHOP	Bern, Switzerland	11/2016
Schreier, G.	Leveraging PPP in Earth Observation	GEO Week 2021; World Geospatial Industry Council	Online	11/2021
	Who rules EO - public or private?	Brandenburgische Akademie der Wissenschaften (BBAW)	Berlin	05/2019
	International Cooperation in Earth Observation	ISPRS TC V Mid Term Symposium	Dehradun, India	11/2018
	Programme und Daten in der Erdbeobachtung - Möglichkeiten für die Archäologie und den Schutz des Weltkulturerbes	Fernerkundungsdaten und ihre Auswertungsmöglichkeiten in der Landschaftsarchäologie	Berlin	11/2018
	Earth Observation and the Copernicus Programme in support to Archaeology and World Heritage Preservation	International Symposium on the use of Space Technologies for Natural and Cultural sites	Campeche, Mexico	09/2018
	Chancen und Herausforderungen für die Erdbeobachtung durch die neuen Informations-Technologien	TAMA eCognition Anwenderkonferenz	München	06/2018
	The Preservation of Natural Resources through Space	GLAC2018	Montevideo, Uruguay	05/2018
	Earth Observation and the Copernicus Programme in support to Archaeology and World Heritage Preservation	CAA	Tübingen	03/2018
	Global Trends changing Earth Observation	World View Global Alliance User Conference	München	10/2017
	Das Copernicus-Programm, politische Hintergründe, vorgesehene Dienste	Jahrestagung der Deutschen Geodätischen Kommission (DGK)	München	11/2015
Europäisches Umweltbeobachtungsprogramm "Copernicus"	15 Raumfahrttage der Deutschen Raumfahrtausstellung	Morgenröthe Rautenkranz	06/2015	

Lecturer	Title	Event	Location	Date
	Copernicus – The European Earth Observation System	3 rd International Conference on Remote Sensing and Geoinformation of Environment (RSCy2015)	Paphos, Cyprus	03/2015
Schwarz, E.	Near Real Time Applications for Maritime Situational Awareness	Workshop on Solutions for Maritime Situational Awareness	Helsinki, Finland	02/2016
Spengler, D. et al.	Durable Environmental Multidisciplinary Monitoring Information Network DEMMIN - Agricultural Research at the TERENO German Northeastern Lowlands Observatory.	BELAIR Workshop 2016	Bruges, Belgium	11/2016
Strunz, G.	Earth Observation and Artificial Intelligence for Disaster Management	2nd French-German-Japanese Symposium on Human-centric Artificial Intelligence	Online	11/2020
	Fernerkundung für das Krisenmanagement und die zivile Sicherheit – Aktuelle Forschungs- und Entwicklungsarbeiten	Nationales Forum für Fernerkundung und Copernicus 2015	Berlin	11/2015
	The Sendai Framework for Disaster Risk Reduction – Opportunities for Earth Observation	United Nations / Germany International Conference on Earth Observation	Bonn	05/2015
	Beiträge der Erdbeobachtung zum internationalen Katastrophenmanagement	Deutsche Gesellschaft für Auswärtige Politik	Berlin	01/2014
Taubenböck, H.	Globale Urbanisierung, Perspektive aus dem All	VW-Stiftung Vortragsreihe - Stadtplanung durch die Ärmsten der Armen - Suburbia wird Utopia	Online	04/2021
	Distanz schafft Klarheit – Ein kritischer fernerkundlicher Blick auf die Urbanisierung unseres Planeten.	Dresdner Flächennutzungssymposium	Dresden	10/2020
	Wie wir wohnen – Beobachtet aus dem All.	19. VdW-Forum Wohnungswirtschaft Digital – Live – Online	Online	06/2020
	Space-borne technologies to monitor the transformation of the world and its capabilities for macroecology	Macroecology 2019	Würzburg	03/2019
	Distanz schafft Klarheit – ein kritischer fernerkundlicher Blick auf die Urbanisierung unseres Planeten	Sächsisches GIS Forum	Dresden	01/2019

Lecturer	Title	Event	Location	Date
	The future will be urban – A responsibility for urban remote sensing	EARSeL Urban Remote Sensing Special Interest Group	Bochum	09/2018
	Fernerkundliche Nachweise der globalen Urbanisierung	IÖR Jahrestagung	Dresden	06/2018
	Expanding cities – diminishing space – A perspective from outer space	Real CORP	Vienna, Austria	04/2018
	Die globale Transformation der Städte – Was erwartet uns?	Verband Beratender Ingenieure, VBI Landesverband Saarland. Vortrag und Podiumsdiskussion mit Umweltminister und Leiter der Obersten Landesbaubehörde	Saarbrücken	11/2017
	Urbanization – A global change issue	Kick-off So2Sat project	Oberpfaffenhofen	09/2017
	Die globale Transformation der Städte – Was erwartet uns?	Arbeitstagung der Prüferingenieure	Baden-Baden	06/2017
	Big Data – Key for future Geoinformation services	2nd Geoinformation Symposium	Berlin	06/2017
	Urbane Armut – Globale Wissenslücken durch Big Earth Data schließen	DLR Forschungstag	Köln	04/2017
	Die globale Transformation der Städte – Monitoring mit Methoden der Fernerkundung	Bundeskongress des Verbands beratender Ingenieure	Leipzig	11/2016
	Cities from Space: Monitoring the Global Proces of Urbanization	SPADE conference	Berlin	04/2016
	'Quo Vadis' urban remote sensing?	Joint Urban Remote Sensing Conference	Sao Paulo, Brazil	04/2013
Voigt, S.	The future of satellite mapping for disasters	Copernicus Emergency Management Service - Annual Meeting	Stresa, Italy	05/2019
Wurm, M.	New possibilities of sensed data in urban areas	ITC Twente	Enschede, The Netherlands	06/2018
	Cities from Space – Analysis and monitoring of physical urbanization processes	Symposium on Peaceful Use of Space Technologies	Muskat, Oman	10/2016

Patents

Filed Patent Applications

Name	Patent	Patent No	Year	Countries
Mollenhauer, H., Borg, E., Truckenbrodt, S., Mollenhauer, O., Wrage-Mönning, N., Lausch, A.	Eigenschaftsermittlung von Vegetationsproben mittels elektrischer Größen	102021204664.9	2021	DE
Mollenhauer, H., Borg, E., Truckenbrodt, S., Mollenhauer, O., Wrage-Mönning, N., Lausch, A.	Automatische Anlage und automatisches Verfahren zur Messung von pflanzenphysiologischen Parametern von Pflanzenbeständen mit Hilfe optischer Fernerkundungssensoren und weiterer Sensorik	21172776.3	2021	EP
Borg, E. Schmidt, K.	Verfahren und Anordnung zum Kalibrieren flugobjektmontierter Sensoren	19729702.1	2019	EP
Borg, E. Schmidt, K.	Verfahren und Anordnung zum Kalibrieren flugobjektmontierter Sensoren	102018208738.5	2018	DE

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
Bittner, M. Wüst, S.	Verfahren zum Erfassen des Energiegehaltes von Stürmen	DE 10 2010 013607	2020	DE
Borg, E. Schmidt, K. Schmidt, K. Renke, F. Spengler, D.	Verfahren zum Schätzen eines Zustandes eines Globalstrahlungssensors und Messstation mit Globalstrahlungssensor	DE 10 2018 204146 (B4)	2019	DE
Post, J. ZoBeder, K. Wegscheider, S. Mück, M. Raape, U. Steinmetz, T.	Verfahren und Vorrichtung zum Ermitteln von Warnungen in einem sensorgestützten Frühwarnsystem	DE 10 2009 019 606	2019	DE

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	DE 50 2005 015426.6 1643263	2016	DE, BE, NL, FR
Borg, E., Paproth, C., Bachmann, M., Köpke, H., Dietrich, P., Börner, A.	Kalibrierung eines Fernerkundungssensors zur Fernerkundung einer Planetenoberfläche (Calibration of remote sensing sensor for sensing of planetary surfaces)	DE 10 2013 217535B4	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
Reulke, R., Börner, A., Borg, E.	Kalibrierung eines optischen Sensors zur Fernerkundung	DE 10 2012 212516	2014	DE
Post, J. Zoßeder, K. Wegscheider, S. Mück, M. Friedemann, 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
*currently inactive

Open Source Publications

This section contains releases of open source software by DFD and department of Remote Sensing at University of Würzburg (in *italic typeface*) since 2015. Open source software is defined as software with source code that anyone can inspect, modify, and enhance.

High-Relevance Open Source Publications

Publications in this category fulfil the following criteria:

- They are hosted on a public platform for software development and version control.
- Their code is actively maintained (at least 1 commit or merged pull request or closed issue per year).
- Their code is citable (registered, public and persistent identifier such as DOI) or has a certain popularity (more than 3 “stars” in total or more than 3 downloads per year on a public code hosting platform).

Author(s)	Year	Software-Name	Description	Repository
Helleis, M., Böhnke, C., Fichtner, F., Wieland, M.	2021	UKIS-METRICS	Numpy-based implementation of common performance metrics for semantic image segmentation	https://github.com/dlr-eoc/ukis-metrics
Wieland, M., Fichtner, F.	2021	UKIS-CSMASK	Cloud and cloud shadow masking in Sentinel-2, Landsat-8, Landsat-7 and Landsat-5 images	https://github.com/dlr-eoc/ukis-csmask
Bassler, T. (BCM), Melchinger, E. (BCM), Schwinger, M., Vignesh, R.	2020- 2021	ProsEO	Processing Environment for Earth Observation Data Processing, especially fit for ESA Copernicus	https://github.com/dlr-eoc/prosEO
Mandery, N., Fichtner, F.	2020- 2021	ukis-min_creds	Distributes limited pools of credentials across many applications	https://github.com/dlr-eoc/ukis-min_creds
<i>Mast, J., Schwalb- Willmann, J., Dahms, T.</i>	2020- 2021	rtsVis	A lightweight R package to visualize large raster time series, building on a fast temporal interpolation core	https://github.com/JohMast/rtsVis
<i>Schwalb- Willmann, J.</i>	2020- 2021	basemaps	A lightweight package for accessing basemaps from open sources in R	https://github.com/16EAGLE/base-maps
Langbein, M., Böck, M., Mandery, N., Mühlbauer, M., Riedlinger, T., Schöpfer, E.	2019- 2021	dlr-riesgos-frontend	Frontend of the RIESGOS demonstrator for a multi-risk information system, based on a modular and scalable concept	https://github.com/riesgos/dlr-riesgos-frontend

Author(s)	Year	Software-Name	Description	Repository
Mast, J., Schwalb-Willmann, J., Dahms, T.	2019-2021	ImageFusion	Temporal fusion of raster image time-Series. R interface for the imagefusion framework, which provides implementation of the FITFC, ESTARFM and STARFM algorithms in C++	https://github.com/JohMast/ImageFusion
Höser, T.	2018-2021	StaMPS-Visualizer	A Shiny application for visualizing DInSAR results processed by StaMPS/MTI	https://github.com/thho/StaMPS_Visualizer
Mandery, N.	2018-2020	pgh3	PostgreSQL extension for the H3 hierarchical geospatial indexing system	https://github.com/dlr-eoc/pgh3
Böck, M., Langbein, M., Voinov, S., Keim, S., Volkman, R., Feuerstein, S., Friedemann, M., Jaspersen, V., Mandery, N., Mühlbauer, M., Riedlinger, T.	2017-2021	ukis-frontend-libraries	A collection of angular ui-components, services, interfaces to help you create geospatial mapping applications for the web	https://github.com/dlr-eoc/ukis-frontend-libraries
Schwalb-Willmann, J.	2017-2021	getSpatialData	Tools to query, preview, download and preprocess satellite sensor data via R	https://github.com/16EAGLE/getSpatialData

Other Open Source Publications

Author(s)	Year	Software-Name	Description	Repository
Schwalb-Willmann, J.	2021	odcr	An R package that serves as an interface to the Open Data Cube	https://github.com/eo2cube/odcr
Schwalb-Willmann, J.	2021	odcbox	An Open Data Cube instance as a docker container that serves a Jupyter notebook environment running both a Python kernel and an R kernel	https://github.com/eo2cube/odcbox
Bassler, T. Melchinger, E. Schwinger, M. Vignesh, R.	2020	ProsEO	Processing Environment for Earth Observation Data Processing, especially fit for ESA Copernicus	https://github.com/dlr-eoc/prosEO
Philipp, M.	2020	rHarmonics	R package for harmonic modelling of time-series data.	https://github.com/MBalthasar/rHarmonics

Author(s)	Year	Software-Name	Description	Repository
Wieland, M. Fichtner, F. Böhnke, C. Martinis, S. Riedlinger, T. Mandery, N.	2020	ukis-pysat	Provides generic classes and functions to query, access and process multi-spectral and SAR satellite images	https://github.com/dlr-eoc/ukis-pysat
Remelgado, R.	2018-2020	CAWaR	R package to support land cover classification and water management in the Central Asia Basin (SAB)	https://github.com/RRemelgado/CAWaR
Remelgado, R.	2018-2020	fieldRS	R package to support Remote Sensing oriented field work	https://CRAN.R-project.org/package=fieldRS
Leutner, B.	2018-2019	animove	R package environment for animal movement and remote sensing training courses	https://github.com/AniMoveCourse/animove
Mandery, N.	2018-2019	osm-ogr-tools	Tools for working with OSM data	https://github.com/dlr-eoc/osm-ogr-tools
Mandery, N.	2018	52north-wps-osmtovector-process	WPS process for the 52North WPS to extract vector geo-data from OSM PBF files	https://github.com/riesgos/52north-wps-osmtovector-process
Remelgado, R.	2018	rsMove	Guidelines for the use of Remote Sensing in Movement Ecology	https://github.com/RRemelgado/fieldRS
Mandery, N.	2017-2019	ukis_kafka	Stream vector geodata over Apache Kafka	https://github.com/dlr-eoc/ukis_kafka
Mandery, N.	2017-2019	rest_framework_filterdsl	A filtering and sorting DSL for the Django REST framework	https://github.com/dlr-eoc/rest_framework_filterdsl
Reck, C., Mandery, N.	2017-2018	code-de-tools	Copernicus Data-access and Exploitation platform for Germany (CODE-DE) - user tools	https://github.com/dlr-eoc/code-de-tools
Schwalb-Willmann, J.	2017	moveVis	Tools to jointly visualize movement and environmental data as animations	https://github.com/16EAGLE/moveVis
Mandery, N.	2016	git-changelog	Generate changelogs from git tags	https://github.com/dlr-eoc/git-changelog
Leutner, B.	2015-2021	RStoolbox	Tools for Remote Sensing Data Analysis in R	https://github.com/bleutner/RStoolbox
Mandery, N.	2015-2018	git-dependencies	Fetch external dependencies from their git repositories and integrate them in the working tree	https://github.com/dlr-eoc/git-dependencies

Awards

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

Year	Award	Laureate	Subject
2021	Ehrennadel der Deutschen Raumfahrt	Dech, S., Strunz, G., Gähler, M. & ZKI Team	Herausragende Leistungen des ZKI-Teams in der Nutzung von Erdbeobachtungsdaten zur weltweiten Unterstützung des Krisenmanagements nach Naturkatastrophen und in der humanitären Hilfe
2021	DLR-Seniorwissenschaftler	Esch, T.	
2021	Wissenschaftspreis für die Dissertation der Stiftung der Universität Augsburg	Hannawald, P.	"Untersuchung von atmosphärischen Schwerewellen mit Kameradaten des OH-Nachtleuchtens"
2021	Karl-Kraus-Nachwuchsförderpreis der Deutschen Gesellschaft für Photogrammetrie, Fernerkundung und Geoinformation (DGPF)	Knopp, L.	"Development of a Burned Area Processor based on Sentinel-2 Data using Deep Learning"
2021	Higher Education Teaching Grant 2021 der European Geophysical Society (EGU)	Küchelbacher, L., Bichler, R. Wüst, S.	Konzept für ein neues Ausbildungsmodul an der Universität Augsburg mit dem Titel "Introduction Seminar to Atmospheric Research (ISARE)"
2021	Horst-Rauck-Gründerpreis 2021	Meyer-Arnek, J.	DLR-Ausgründung "Ajuma" mit ihrem UV-Bodyguard
2021	Remote Sensing 2020 Best Cover Award	<i>Phillipp M.</i>	Among the best covers 2020
2021	Best Poster Award, European Grassland Federation General Meeting 2021	Reinermann, S. Asam, S. Gessner, U. Schucknecht, A. Kuenzer, C.	"Detection of Grassland Mowing Events with Optical Satellite Time Series Data"
2021	EuroSDR Award	Sapena Moll, M.	Best PhD thesis related to geoinformation science
2021	Gewinnerin des Bundeswettbewerbs Land.Vielfalt.Leben 2021 - Insektenfreundliche Kooperation	<i>Schönbrodt-Stitt, S.</i>	BiogasBlühfelder Röhn-Grabfeld
2021	Best Paper Award in the ISPRS Annals on the 6th International Conference on Smart Data and Smart Cities	Tenikl, J, Wurm, M., u.a.	"A web APP to generate and disseminate new knowledge on urban green space qualities and their accessibility"

Year	Award	Laureate	Subject
2020	3. Platz DLR-Wettbewerb der Visionen	Bichler, R. Bittner, M.	Entwicklung eines Luftverschmutzungs-/ Wirtschaftsindicators für eine globale Berichterstattung über den Fortschritt zum UN SDG 13.2
2020	1. Platz Karl-Kraus Nachwuchsförderpreis der DGPF	Droin, A.	"Semantic labelling of building types A comparison of two approaches using Random Forest and Deep Learning"
2020	Preis für die beste Masterarbeit der Fakultät für Umwelt-, Regional- und Bildungswissenschaften der Universität Graz	Droin, A.	"Semantic labelling of building types A comparison of two approaches using Random Forest and Deep Learning"
2020	DLR-Seniorwissenschaftler	Popp, T.	
2020	IAF Distinguished Service Award	Schreier, G.	"For outstanding services to the International Astronautical Federation as Chairmen of the Earth Observation Committee"
2020	Einladung zum 70. Nobelpreisträger-Treffen in Lindau	Tsai, Y.	
2019	10th Anniversary Best Paper Award 2019 der Zeitschrift "Remote Sensing"	Heiden, U. Bachmann, M. Mühle, H. Habermeyer, M. u.a.	"The EnMAP Spaceborne Imaging Spectroscopy Mission for Earth Observation"
2019	Siegfried-Niedermeyer-Förderpreis	Jilge, M.	"Hyperspektrale Fernerkundung in der Stadt – neue Wege zur Detektion von Oberflächenmaterialien"
2019	Best Poster Award, JURSE 2019	Kraff, N.	"Slum mapping in imbalanced remote sensing datasets using transfer learned deep features"
2019	Promotionspreis 2019 der Geographischen Gesellschaft Würzburg	Kübert, C.	"Fernerkundung für das Phänologiemonitoring: Optimierung und Analyse des Ergrünungsbeginns mittels MODIS-Zeitreihen für Deutschland"
2019	Copernicus Master Award, DLR Environment, Energy & Health Challenge	Meyer-Arnek, J.	
2019	Best Paper Presented by a Woman sponsored by Coordinamento Napoletano, Donne Nella Scienza, 2019 IEEE International Workshop on Metrology for Agriculture and Forestry (MetroAgriFor 2019), Portici, Italy	Schönbrodt-Stitt, S.	"Integrating ground-based and remote sensing-based monitoring of near- surface soil moisture in a Mediterranean environment"

Year	Award	Laureate	Subject
2019	Student Competition Award, JURSE 2019	Stark, T.	"Collective Sensing Techniques and Artificial Intelligence for Natural Hazard Risk and Impact Assessment"
2018	ASTO Förderpreis	Baumhoer, C.	"Glacier front dynamics of Antarctica – Analyzing changes in glacier and ice shelf front positions based on SAR time-series"
2018	Best Poster Award, Preservation and Value Adding Conference, PV-2018, Harwell, UK	Campuzano, G.	"Facilitating Accessibility and Exploitation of Historic AVHRR Products"
2018	Best Elevator Pitch	<i>Freytag-Loringhoven, L Wiertz, K.</i>	"Copernicus Accelerator Bootcamp 2018"
2018	DLR Wissenschaftspreis 2018	Huber, M. Wessel, B. Fritz, T. u.a.	"Generation and performance assessment of the global TanDEM-X digital elevation model"
2018	EARSel Joint Workshop "Urban Remote Sensing – Challenges & Solutions" Best Student Paper Award	Jilge, M.	"Compositions of Urban Surface Materials and Their Use For Deriving Urban Structure Types In 30 m Hyperspectral Remote Sensing Data"
2018	Best Presentation Award 1 st Price at EARSel Conference Bochum	Leichtle, T.	"On the Capability of Optical Remote Sensing Imagery with Various Spatial Resolutions on Impervious Surface Estimation"
2018	Auszeichnung für sehr gute Lehre an der Technischen Universität München TUM, Fachschaft Geodäsie, Ingenieur fakultät Bau / Geo / Umwelt	Strunz, G.	
2018	Best Paper Award 6th International Conference on Remote Sensing and Geoinformation of Environment	Voinov, S. Schwarz, E. Krause, D. Berg, M.	"Processing Framework to Support Maritime Surveillance Applications Based on Optical Remote Sensing Images"
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	William T. Pecora Team Award	Charter "Space and Major Disasters"	
2017	Candidate Researcher Preis des PRONII Programms	Da Ponte, E.	
2017	DLR Award	Engelbrecht, S.	Integriertes Managementsystem

Year	Award	Laureate	Subject
2017	gregor international calendar award 2017, 3. Preis	Sparwasser, N.	DLR-Kalender "Anthropozän"
2016	WWF Prince Bernhard Scholarship for nature conservation	Da Ponte, E.	"Deforestation in Paraguay and Ecosystem Services approach"
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	Künzer, 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"
2014	Forschungspreis der Geographischen Gesellschaft Würzburg	Löw, F.	Beste Dissertation am Institut für Geographie und Geologie der Universität Würzburg
2014	Sustainability Science Best Paper Award	Künzer, 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"

Year	Award	Laureate	Subject
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	Asam, S.	"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

Space Mission and Earth Observation related Boards

Memberships in space mission and Earth observation related boards of DFD and department of Remote Sensing at University of Würzburg (in *italic typeface*) since 2013

Member	Organization/ Agency	Board	'13	'14	'15	'16	'17	'18	'19	'20	'21
Bachmann, M.	CEOS	Arbeitsgruppe WGCV IVOS		■	■	■	■	■	■	■	■
	CEOS	Arbeitsgruppe LSI-VC									■
	DLR	Member of EnMAP Science Advisory Group (EnSAG)									■
	DLR-USGS	DLR-USGS Collaboration Panel, lead for "Interoperability, Calibration, and Validation (ICV)"									■
	EARSel	Co-Chair of Special Interest Group "Imaging Spectroscopy" (SIG-IS)									■
	ESA	Mission Advisory Group ESA EarthWatch Mission "TRUTHS"								■	■
	IEEE	P4001, Standard for Characterization and Calibration of Ultraviolet through Shortwave Infrared (250 nm to 2500 nm) Hyperspectral Imaging Devices								■	■
	IEEE	P4005, Standards and Protocols for Soil Spectroscopy								■	■
Bachofer, F.	GEO	NextEOS									■
	GEO	AquaWatch, Member of Working Group "Products and Information"									■
	IUCN	Commission on Ecosystems Management								■	
Bittner, M.	ICSU	World Data System	■	■	■	■	■	■	■		
	NDMC	Sprecher des Steering Committees	■	■	■	■	■	■	■	■	■
	UFS	Sprecher Science Board	■	■	■	■	■	■	■	■	■
	VAO	Vorsitzender des Lenkungsausschusses	■	■	■	■	■	■	■	■	■
	WMO/GAW	Leitung WDC-RSAT	■	■	■	■	■	■	■		
Borg, E.	HGF	TERENO Steering Committee	■	■	■	■	■	■	■	■	
<i>Conrad, C.</i>	DGfG	Arbeitskreis Fernerkundung	■	■	■	■	■	■			
		Umweltcluster Bayern				■	■	■			
Dech, S.	EURAC	Mitglied Evaluierungsboard	■	■	■	■					

Member	Organization/ Agency	Board	'13	'14	'15	'16	'17	'18	'19	'20	'21
	UFS	Mitglied Konsortialrat	■	■	■	■	■	■	■	■	■
	ZEF	Senior Fellow	■	■	■	■	■	■	■		
	ZFL	Advisory Board					■	■	■	■	■
Eberle, J.	ESA	Data Coordination Body / Common Architecture								■	■
Erbertseder, T.	ESA	Sentinel-4/5-Mission Advisory Group	■								
Esch, T.	ESA	MUAS Scientific committee			■			■			
	GEO	Co-lead, Task GI-17: Global Urban Observation and Information - Monitoring Urban Assets in Support of Sust. Cities	■	■	■	■	■	■	■	■	■
	GEO	Member of Steering Committee, Human Planet Initiative					■	■	■	■	■
	POPGRID	Co-lead, Task 'Tools, Portal, and Shared Resources', POPGRID Data Collective					■	■	■	■	■
Fischer, C.	GEOSS	C2 Impact Monitoring System for Geo-Resource Exploration and Exploitation	■	■	■						
	GEOSS	CA-06 EO Data and Mineral Resources				■					
Förtsch, S.	DLR	Data Pool Initiative for Bohemian Forest Ecosystem						■	■	■	
Gähler, M.	ESA	Copernicus Sentinel-3 Mission Adv. Board	■								
Heiden, U.	BelSPO	Steering Committee Member of the URBANEARS Project			■	■	■	■			
	DLR	EnMAP Science Advisory Group Member							■		
	GRSS TC	Chair Geoscience Spaceborne Imaging Spectroscopy Technical Committee of IEEE GRSS	■	■	■	■	■	■	■		
Holzwarth, S.	DLR	Data Pool Initiative for Bohemian Forest Ecosystem		■	■	■	■	■	■	■	■
	ENVRI	ENVRI Stakeholder Advisory Board	■	■							
	EUFAR	President of the General Assembly of EUFAR AISBL					■	■	■	■	■
Kiemle, S.	ESA	Heterogeneous Missions Accessibility	■	■	■	■					
Klein, D.	EURAC	Scientific Advisory Board for the Institute for Earth Observation					■	■	■	■	■
Künzer, C.	Alexander v. Humboldt Stiftung	Auswahlausschuss des Internationalen Klimaschutzstipendienprogramms								■	■

Member	Organization/ Agency	Board	'13	'14	'15	'16	'17	'18	'19	'20	'21
	CAS	International Expert Advisory Board of the Institute RADI-CAS	■	■	■	■	■	■			
	EARSeL	Chair: Special Interest Group Thermal Remote Sensing (jointly w. C. Hecker)	■	■	■	■	■	■	■		
	FNRS, Belgien	Auswahlausschuss Fund for Scientific Research								■	
	GEO	German representative of Group "Data Validation of Global Land Cover Datasets"			■	■	■				
	ISDE	Elected Council Member of the "International Society for Digital Earth"				■	■	■			
	SSC FEC	Member of Scientific Steering Committee "Future Earth Coasts"	■	■	■	■	■	■			
Latifi, H.	DLR	Data Pool Initiative for Bohemian Forest Ecosystem		■	■	■	■				
	IBS	Deutsche Region der IBS, Leiter der AG "Ökologie und Umwelt"	■	■	■	■	■				
Lechner, K.	IWG-SEM	International Working Group on Satellite-based Emergency Mapping						■	■	■	■
Leutner, B.	AniMove	Board Member of Animal Movement and Remote Sensing teaching and research initiative								■	
Marconcini, M.	CAS	Advisory Board of the CASEarth project						■	■		
	ISDE	Elected Chair of International Society for Digital Earth					■	■		■	
Mikusch, E.	DLR	Arbeitsgruppe des Programmausschusses Erdbeobachtung (PA EO AG)		■	■	■					
	DLR	Arbeitskreis Open Science		■	■	■	■	■			
	DLR	Lenkungskreis Forschungsdatenmanagement (LK-FDM)							■	■	■
	ESA	Data Coordination Body / Data Preservation and Access Group	■	■	■	■	■	■	■	■	■
	EU	Copernicus Integrated Ground Segment Task Force									■
	HGF	Helmholtz-Arbeitskreis "Bereitstellung und langfristige Sicherung von Erdbeobachtungsdaten"			■	■					
Molch, K.	CEOS	Working Group on Information Systems and Services (WGISS)						■	■	■	■

Member	Organization/ Agency	Board	'13	'14	'15	'16	'17	'18	'19	'20	'21
	CEOS	Common Terminology Group									■
	DLR	Arbeitskreis Open Science		■	■	■	■	■			
	ESA	Data Coordination Body / Data Preservation and Access Group	■	■	■	■	■	■	■		■
	ESA/EC	Working group on Harmonization of EO Data-as-a-Service License				■	■				
	GEO	Arbeitsgruppe der deutschen Delegation der Group on Earth Observations (D-GEO)	■	■	■	■	■	■			
	HGF	Helmholtz-Arbeitsgruppe "Einbindung wissenschaftlicher Geodaten aus der HGF in die Geodateninfrastruktur Deutschlands"			■	■	■				
	IMAGI	Zentrale Arbeitsgruppe des Interminist. Ausschusses für Geoinformationswesen (ZAG-IMAGI)	■	■	■	■	■	■	■		■
Popp, T.	AEROSAT	Co-Chair im AEROSAT – International Satellite Aerosol Science Network	■	■	■	■	■	■	■	■	■
	WMO	Science Advisory for Group Aerosols	■	■	■	■	■	■	■	■	
Riedlinger, T.	ESA	Sentinel-3 Mission Advisory Group	■	■							
Roth, A.	DLR	TerraSAR-X/TanDEM-X Mission Board	■	■	■	■	■	■	■	■	■
	WMO	Polar Space Task Group, SAR Working Group	■	■	■	■	■	■	■	■	■
Schreier, G.	ESA	Ground Segment Coordination Body	■	■	■	■					
	IAF	Chairman IAF Earth Observation Committee					■	■	■		
		Member of IAF Earth Observation Committee	■	■	■	■	■	■	■	■	■
	ISPRS	Chairman ISPRS International Policy Advisory Committee (IPAC)	■	■	■	■	■	■	■	■	■
Schroedter-Homscheidt, M.	GEOSS	Energy Community of Practice	■	■	■	■	■				
Schwalb-Willmann, J.	Supervision.earth	Advisory Board Member							■		
Taubenböck, H.	BMBF	Nationale Plattform Zukunftsstadt	■	■	■						
	JURSE	Chair of the IEEE-CPS Joint Urban Remote Sensing Event (JURSE)					■	■	■	■	■

Member	Organization/ Agency	Board	'13	'14	'15	'16	'17	'18	'19	'20	'21
Twele, A.	ESA	Long Term Data Preservation / Data Access & Preservation Working Group					■	■	■	■	■
Voigt, S.	IWG-SEM	International Working Group on Satellite-based Emergency Mapping	■	■	■	■					
	OSF-TECH	Co-Chair of the Open Search Foundation Tech-Working Group					■	■	■	■	
Wegmann, M.	CEOS	CEOS Biodiversity activity	■	■	■	■	■	■	■	■	
	DLR	Data Pool Initiative for Bohemian Forest Ecosystem						■	■	■	
	GEO	GEO BON Implementation Committee	■	■	■	■	■	■			
Wessel, B.	CEOS	Working Group on Calibration and Validation "DEM Intercomparison eXercise DEMIX"								■	■
Zwenzner, H.	HGF	Helmholtz-Arbeitsgruppe, Data Hubs, Erde und Umwelt							■	■	

AEROSAT: International Satellite Aerosol Science Network

BelSPO: Belgian Science Policy Office

CAS: Chinese Academy of Science

CEOS: Committee on Earth Observation Satellites

DGfG: Deutsche Gesellschaft für Geographie

EARSeL: European Association of Remote Sensing Laboratories

ENVRI: community of environmental Research infrastructures

EUFAR: European Facility for Airborne Research

EURAC: Eurac Research ist ein privates Forschungs-Zentrum mit Sitz in Bozen, Südtirol

FNRS: National Fund for Scientific Research

GEO: Group on Earth Observation

GEOSS: Global Earth Observation System of Systems

GRSS TC: Geoscience and Remote Sensing Society Technical Committee

IAF: International Astronautical Federation

IBS: Internationale Biometrische Gesellschaft

ICSU: International Council for Science

IEEE: Institute of Electrical and Electronics Engineers

IGARSS: International Geoscience and Remote Sensing Symposium

IMAGI: Interministerieller Ausschuss für Geoinformationswesen

ISDE: International Society for Digital Earth

ISPRS: International Society for Photogrammetry and Remote Sensing

ISRSE: International Symposium on Remote Sensing of Environment

IUCN: International Union for Conservation of Nature

NDMC: Network for the Detection of Mesospheric Change

POPGRID: An int. community of data providers, users, and sponsors concerned with georeferenced data on population, human settlements and infrastruc.

SPIE: International Society for optics and photonics

Supervision.earth: Unternehmen

UFS: Umweltforschungsstation Schneefernerhaus

USGS: United States Geological Survey

VAO: Virtuelles Alpenobservatorium

WMO: World Meteorological Organization

WMO/GAW: Global Atmosphere Watch Programme of WMO

ZEF: Center for Development Research University Bonn

ZFL: Zentrum für Fernerkundung der Landoberfläche Universität Bonn

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	'13	'14	'15	'16	'17	'18	'19	'20	'21
Bachofer, F.	Frontiers in Remote Sensing	Frontiers								■	■
	Open Geosciences	De Gruyter						■	■	■	■
Bittner, M.	The Open Atmospheric Science Journal (TOASJ)	Bentham Open	■	■	■	■	■	■	■	■	■
	Journal on Atmospheric Measurement Techniques (AMT)	Copernicus	■	■	■	■	■	■	■		
<i>Conrad, C.</i>	Photogramm., Fernerkundung, Geoinformation (PFG)	Schweizerbart Sc. Publishers			■	■	■				
	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			■	■					
	Guest Editor of Remote Sensing	MDPI						■	■		
Henniger, H.	Radioengineering Journal	Brno University of Technology	■	■	■						
Künzer, C.	International Journal of Remote Sensing	Taylor & Francis	■	■	■	■	■	■			
	Remote Sensing	MDPI		■	■	■	■	■	■	■	■
	Remote Sensing in Ecology and Conservation	Wiley						■	■	■	■
<i>Latifi, H.</i>	Special Issue of Photogramm., Fernerkundung, Geoinformation (PFG)	Schweizerbart Science Publishers				■					
Pinnel, N.	Sensors (Special Issue)	MDPI								■	■
Roth, A.	Remote Sensing	MDPI					■	■			
Schroedter-Homsch., M.	Meteorologische Zeitschrift (METZET)	Schweizerbart Sc. Publishers	■	■	■	■	■				
<i>Wegmann, M.</i>	Remote Sensing in Ecology and Conservation	Wiley			■	■	■	■	■	■	

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, 2021:

- publications in ISI and SCOPUS journals,
- other publications with full paper review,
- books and book contributions.

Other publications, 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.

Publications in ISI or Scopus Journals

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Climate, mobility and technology are changing globally. DLR uses the expertise of its 55 research institutes and facilities to develop solutions to these challenges. Our 10,000 employees share a mission – to explore Earth and space and develop technologies for a sustainable future. In doing so, DLR contributes to strengthening Germany's position as a prime location for research and industry.

The German Remote Sensing Data Center

The German Remote Sensing Data Center (DFD) is an institute of the German Aerospace Center (DLR) with facilities in Oberpfaffenhofen near Munich and in Neustrelitz north of Berlin. DFD and DLR's Remote Sensing Technology Institute (IMF) together comprise the Earth Observation Center (EOC), which has become a center of competence for Earth observation in Germany.

DFD supports science and industry as well as the general public. With its national and international receiving stations, DFD offers direct access to data from Earth observation missions, derives information products from raw data, partly in near real-time. It disseminates these products to users, and safeguards all data in the German Satellite Data Archive (D-SDA) for long-term use. In geoscientific research on the atmosphere, land surface and in the field of geohazards and civil security, DFD develops remote sensing based products and approaches for use in scientific and commercial domains. At the same time, it develops informatics solutions for the efficient analysis of large heterogeneous Earth observation data sets on high performance data analytics platforms. With the Center for Satellite Based Crisis Information (ZKI), DFD operates a service for the International Charter Space and Major Disasters and supports federal agencies in establishing remote sensing based applications for governmental tasks.



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