

### *Satellite based Crisis Information (selected publications)*

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- MARTINIS, S., PLANK, S., CWIK, K. (2018), The use of Sentinel-1 time-Series data to improve flood Monitoring in arid areas. *Remote Sensing*, 10 (582), pp. 1-13. Multidisciplinary Digital Publishing Institute (MDPI). DOI: 10.3390/rs10040583 ISSN 2072-4292 file.
- PLANK, S., MARTINIS, S. (2018), Earth Observation-based Monitoring of Volcanoes - the contribution of the International Charter 'Space and Major Disasters'. *Physics of Volcanoes 2018*, 01.-02. März 2018, Kiel, Deutschland.
- LECHNER, K., GÄHLER, M. (2017), Earth Observation based Crisis Information, Emergency mapping services and recent operational developments. Special issue of the *International Journal of Information Technology and Management*. Inderscience Publishers. 4th International Conference on Information and Communication Technologies for Disaster Management, 11.-13. Dezember 2017, Münster, Deutschland.
- GÄHLER, M. (2016), Remote Sensing for Natural or Man-Made Disasters and Environmental Changes. *Remote Sensing of Environment InTech*, pp. 309-338. ISBN 978-953-51-2444-3.
- VOIGT, S., GIULIO-TONOLO, F., LYONS, J., KUČERA, J., JONES, B., SCHNEIDERHAN, T., PLATZECK, G., KAKU, K., HAZARIKA, M.K., CZARAN, L., LI, S., PEDERSEN, W., GODSTIME, J.K., PROY, C., MUTHIKE, D.M., BEQUIGNON, J., GUHA-SAPIR, D. (2016) Global trends in satellite-based emergency mapping. *Science*, 353 (6296), pp. 247-252. DOI: 10.1126/science.aad8728.
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- SCHNEIDERHAN, T., GÄHLER, M., KRANZ, O., VOIGT, S. (2010), Insights into the emergency mapping service within the GMES project SAFER - Highlights, main achievements and challenges, *Proceedings of the ESA Living Planet Symposium*, pp. 1-5.
- VOIGT, S., Kemper, T., Riedlinger, T., Kiefl, R., Scholte, K., Mehl, H. (2007), Satellite Image Analysis for Disaster and Crisis-Management Support. *IEEE Transactions on Geoscience and Remote Sensing*, 45 (6), pp. 1520-1528. DOI: 10.1109/TGRS.2007.895830.
- MAHMOOD, A., BESSIS, J. L., BEQUIGNON, J., LAURITSON, L., VENKATACHARY, K.V. (2002), An overview of the International Charter 'Space and Major Disasters'. *IEEE International Geoscience and Remote Sensing Symposium 2*, pp. 771-773. DOI: 10.1109/IGARSS.2005.1525885.

### *Automated DLR services (selected publications)*

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- BETTINGER, M., MARTINIS, S., PLANK, S. (2018), An Automatic Process Chain for Detecting Burn Scars Using Sentinel-2 Data. *South-Eastern European Journal of Earth Observation and Geomatics*, pp. 1-4. ISSN 2241-1224.

PLANK, S., MARTINIS, S. (2018), A Fully Automatic Burnt Area Mapping Processor Based on AVHRR Imagery - A TIMELINE Thematic Processor. *Remote Sensing*, 10 (341), pp. 1-15. Multidisciplinary Digital Publishing Institute (MDPI). DOI: 10.3390/rs10020341 ISSN 2072-4292 file.

PLANK, S., FUCHS, E.-M., FREY, C. (2017), A Fully Automatic Instantaneous Fire Hotspot Detection Processor Based on AVHRR Imagery—A TIMELINE Thematic Processor. *Remote Sensing*, 9 (30), pp. 1-22. DOI: 10.3390/rs9010030.

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