

## SCI-Journal Papers

### 2026

**Jaggy**, N.; **Thonfeld**, F.; **Kacic**, P, Herbst, N., Kortmann, M.: Implementing a near real-time remote sensing monitoring system of forest canopy cover loss in Bavaria, Germany. *Forestry*. (accepted)

Moudrý, V., Remelgado, R., Forkel, M., Torresani, M., Laurin, G. V., Šárovcová, E., **Kacic**, P.; et al. (2026). Spaceborne canopy height products should be complemented with airborne laser scanning data: Toward a European canopy height model. *Earth and Space Science*, 13, e2025EA004544. <https://doi.org/10.1029/2025EA004544>

**Thonfeld**, F.; **Kacic**, P.; **Holzwarth**, S.; **Wegler**, M.; **Asam**, S.; **Kuenzer**, C.: Forest canopy cover loss dynamics in Germany between 2017 and 2024: Revealing regional differences. *International Journal of Applied Earth Observation and Geoinformation*. (accepted)

### 2025

**Asam**, S.; Schwarzenbacher, F.; Marshall Ingram, D.; Bachmann, M.: Detection of grassland degradation in Azerbaijan by combining fractional cover estimates based on DESIS data with multi-decadal NDVI time series. *International Journal of Remote Sensing*, <https://doi.org/10.1080/01431161.2025.2536884>

**Coleman**, K.; **Kuenzer**, C. Forest Fragmentation in Bavaria: A First-Time Quantitative Analysis Based on Earth Observation Data. *Remote Sensing* 2025, 17, 2558. <https://doi.org/10.3390/rs17152558>

Eisfelder, C., Uereyen, S., **Asam**, S., Hirner, A., Reiners, P., Huth, J., Bachofer, F., Bachmann, M., **Holzwarth**, S., & Kuenzer, C. (2025). Thirty-Year Analyses of Seasonal NDVI and Climatic Drivers across Different Land Cover Types and Biogeographical Regions in Europe. *IEEE JSTARS*, 1-29. <https://doi.org/10.1109/jstars.2025.3558816>

Gessner, U.; Hirner, A.; **Asam**, S.; Wenzl, M.; Kuenzer, C.: Combining Machine Learning and Spatio-Temporal Filtering to Map Crop Types of Germany for 7 Years. *IEEE Geoscience and Remote Sensing Letters*, 22, 2025, <https://doi.org/10.1109/LGRS.2025.3587517>,

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Huber García, V.; Kriese, J.; **Asam**, S.; Dirscherl, M.; Stellmach, M.; Buchner, J.; Kerler, K.; Gessner, U., 2025. Hedgerow Map of Bavaria, Germany, based on Orthophotos and Convolutional Neural Networks. *Remote Sensing Applications: Society and Environment*, 101451. <https://doi.org/10.1016/j.rsase.2025.101451>.

**Kacic**, P., Gessner, U., Hakkenberg, C.R., **Holzwarth**, S., Müller, J., Pierick, K., Seidel, D., **Thonfeld**, F., Torresani, M., Kuenzer, C. (2025): Characterizing local forest structural complexity based on multi-platform and -sensor derived indicators. *Ecological Indicators* 170, 113085. <https://doi.org/10.1016/j.ecolind.2025.113085>.

Kortmann, M.; Seidl, R.; **Jaggy**, N.; **Kacic**, P.; Morinière, J.; Müller, J. (2025): The positive effects of canopy openness across post-disturbance management on insect diversity. *Biological Conservation* 313, 1-10. <https://doi.org/10.1016/j.biocon.2025.111647>

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Reinermann, S., Boos, C., Kaim, A., Schucknecht, A., **Asam**, S., Gessner, U., Annuth, S. H., Schmitt, T. M., Koellner, T., and Kiese, R.: Grassland yield estimations – potentials and limitations of remote sensing in comparison to process-based modeling and field measurements, *Biogeosciences* 22, 4969–4992, <https://doi.org/10.5194/bg-22-4969-2025>.

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**Asam**, S.; Eisfelder, C.; Hirner, A.; Reiners, P.; **Holzwarth**, S.; Bachmann, M., 2023. AVHRR NDVI Compositing Method Comparison and Generation of Multi-Decadal Time Series—A TIMELINE Thematic Processor. *Remote Sensing*, 15, 1631. <https://doi.org/10.3390/rs15061631>.

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