

Mikhail Urbazaev

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EDUCATION

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| 01/2014 – 08/2019 | PhD in natural science (Dr. rer. nat.) from Friedrich Schiller University Jena, Germany |
| 10/2010 - 09/2013 | M. Sc. in Geoinformatics from Friedrich Schiller University Jena, Germany |
| 10/2007 - 09/2010 | B.Sc. in Geography from Friedrich Schiller University Jena, Germany |

PROFESSIONAL EXPERIENCE

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| 09/2022 – present | Postdoctoral Research Associate, University of Maryland, USA |
| 04/2019 – 06/2022 | Postdoctoral Research Associate, Department of Earth Observation, Friedrich Schiller University Jena, Germany |
| 01/2014 – 08/2019 | PhD candidate at Friedrich Schiller University Jena, Germany and Max Planck Institute for Biogeochemistry Jena, Germany |
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LIST OF PUBLICATIONS

- Urbazaev, M.**, Hess, L.L., Hancock, S., Sato, L.Y., Ometto, J.P., Thiel, C., Dubois, C., Heckel, K., Urban, M., Adam, M. & C. Schmullius (2022). Assessment of terrain elevation estimates from ICESat-2 and GEDI spaceborne LiDAR missions across different land cover and forest types. *Science of Remote Sensing*, p.100067. doi.org/10.1016/j.srs.2022.100067
- Adam, M., **Urbazaev, M.**, Dubois, C. & C. Schmullius (2020). Accuracy Assessment of GEDI Terrain Elevation and Canopy Height Estimates in European Temperate Forests: Influence of Environmental and Acquisition Parameters. *Remote Sensing*, 12, 3948. doi.org/10.3390/rs12233948
- Cremer, F., **Urbazaev, M.**, Cortés, J., Truckenbrodt, J., Schmullius, C. & C. Thiel (2020). Potential of Recurrence Metrics from Sentinel-1 Time Series for Deforestation Mapping. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 13, 5233-5240. doi:10.1109/JSTARS.2020.3019333

- Gómez, D., Salvador, P., Sanz, J., **Urbazaev, M.** & J. L. Casanova (2020). Analyzing ice dynamics using Sentinel-1 data at the Solheimajokull Glacier, Iceland. *GIScience & Remote Sensing*. 57:6, 813-829. doi:10.1080/15481603.2020.1814031
- Stelmaszczuk-Górska, M. A., **Urbazaev, M.**, Schullius, C. & C. Thiel (2018). Estimation of Above-Ground Biomass over Boreal Forests on Siberia Using Updated In Situ, ALOS-2 PALSAR-2, and RADARSAT-2 Data. *Remote Sensing*, 10(10), 1550. doi:10.3390/rs10101550
- Urbazaev, M.**, Cremer, F., Migliavacca, M., Reichstein, M., Schullius, C. & C. Thiel (2018). Potential of Multi-Temporal ALOS-2 PALSAR-2 ScanSAR Data for Vegetation Height Estimation in Tropical Forests of Mexico. *Remote Sensing*, 10(8), 1277. doi:10.3390/rs10081277
- Urbazaev, M.**, Thiel, C., Cremer, F., Dubayah, R., Migliavacca, M., Reichstein, M. & C. Schullius (2018). Estimation of forest aboveground biomass and uncertainties by integration of field measurements, airborne LiDAR, and SAR and optical satellite data in Mexico. *Carbon Balance and Management*, 13(1):5. doi:10.1186/s13021-018-0093-5
- Cremer, F., **Urbazaev, M.**, Berger, C., Mahecha, M., Schullius, C. & C. Thiel (2018): An Image Transform Based on Temporal Decomposition. *IEEE Geoscience and Remote Sensing Letters*. doi:10.1109/LGRS.2018.2791658
- Odipo V. O., Nickless, A., Berger, C., Baade, J., **Urbazaev, M.**, Walther, C., Schullius, C. (2016): Assessment of Aboveground Woody Biomass Dynamics Using Terrestrial Laser Scanner and L-Band ALOS PALSAR Data in South African Savanna. *Forests*, 7(12), 294. doi:10.3390/f7120294
- Urbazaev, M.**, Thiel, C., Migliavacca, M., Reichstein, M., Rodriguez-Veiga, P., Schullius, C. (2016). Improved Multi-Sensor Satellite-Based Aboveground Biomass Estimation by Selecting Temporally Stable Forest Inventory Plots Using NDVI Time Series. *Forests*, 7(8), 169. doi:10.3390/f7080169
- Urbazaev, M.**, Thiel, C., Mathieu, R., Naidoo, L., Levick, S., Smit, I., Asner, G. & C. Schullius (2015): Assessment of the mapping of fractional woody cover in southern African savannas using multi-temporal and polarimetric ALOS PALSAR L-band images. *Remote Sensing of Environment*, 166, 138-153. doi:10.1016/j.rse.2015.06.013