



## Publication List

### Journal publications

- Abel, D., Apel, H., Ziegler, K., Huth, J., Nguyen, V. D., Ha, V. T., Paeth, H. (2024): Droughts and their characteristics/propagation in a Mekong sub-basin. In preparation for Journal of Hydrology: Regional Studies. (in preparation)
- Ha, V. T., Uereyen, S., & Kuenzer, C. (2024). Spatiotemporal analysis of tropical vegetation ecosystems and their responses to multifaceted droughts in Mainland Southeast Asia using satellite-based time series. *GIScience & Remote Sensing*, 61(1), 2387385. <https://doi.org/10.1080/15481603.2024.2387385>
- Ha, V. T., Uereyen, S., & Kuenzer, C. (2023). Agricultural drought conditions over mainland Southeast Asia: Spatiotemporal characteristics revealed from MODIS-based vegetation time-series. *International Journal of Applied Earth Observation and Geoinformation*, 121, 103378. <https://doi.org/10.1016/j.jag.2023.103378>
- Ha, V. T., Huth, J., Bachofer, F., & Kuenzer, C. (2022). A review of earth observation-based drought studies in Southeast Asia. *Remote sensing*, 14(15), 3763. <https://doi.org/10.3390/rs14153763>

### Conference contributions

- Abel, D., Ziegler, K., Pollinger, F., Paeth, H.: "Effects of improved land surface processes in the regional climate model REMO on climate means and extremes in Mainland Southeast Asia". EGU General Assembly April 2024, Vienna, Austria. <https://doi.org/10.5194/egusphere-egu24-18422>
- Abel, D., Ziegler, K., Paeth, H.: "Multilayer soil and interactive vegetation in regional climate models – A case study using REMO in Mainland Southeast Asia". ICRC-CORDEX September 2023, Trieste, Italy. <http://dx.doi.org/10.13140/RG.2.2.34316.90244>
- Abel, D., Ziegler, K., Paeth, H.: "Multilayer soil scheme and interactive vegetation in regional climate models – A case study for Mainland Southeast Asia using REMO". EGU General Assembly, April 2023, Vienna, Austria. <https://doi.org/10.5194/egusphere-egu23-5125>
- Abel, D., Paeth, H.: "Comparing gridded precipitation data over Mainland Southeast Asia". 40. Annual Assembly of the AK Klima, October 2022, Ochsenfurt, Germany.
- Eisfelder, C., Huth, J., Hordofa, A. T., Ha, V. T.: "EO Time Series for Analyses of Drought Impact on Vegetation: Results from Research Projects in Asia and Africa". Drought Resilience +10 Conference, October 2024, Geneva, Switzerland.
- Ha, V. T., Uereyen, S., Kuenzer, C.: "Space-time variability of vegetation and their multifaceted drought impacts in the tropical and subtropical regions". EGU, April 2024, Vienna, Austria.
- Ha, V. T., Uereyen, S., Huth, J., Kuenzer, C.: "Spatiotemporal characteristics of drought and their impacts on cropland vegetation over the Lower Mekong Basin using satellite-based time-series observations". EARSeL Symposium, July 2023, Bucharest, Romania.

- Ha, V. T., Huth, J., Kuenzer, C.: “Drought remote sensing and application in mainland Southeast Asia”. International Symposium on Remote Sensing of Environment, April 2023, Antalya, Turkey.
- Huth, J., Abel, D., Apel, H., Assmann, A., Garschagen, M., Grimmeisen, F., Souvignet, M., Hochschild, V., Nguyen, D. L., Nguyen, H. K. L., Nguyen, N. H., Paeth, H., Quang, D. L., Sterzel, T., Schinkel, U., Bachofer, F.: „Observation of Climate Extremes from Space – Results from the Drought-ADAPT and FloodAdaptVN Research Projects in Viet Nam.” Water Security and Climate Change Conference, December 2022 (WSCC2022), Bangkok & Online, Thailand.
- Nguyen, V. D., Abel, D., Huth, J., Shrestha, P. K., Rakovec, O., Samaniego, L., Sharifi, E., Güntner, A., Sayyadi, S., Guse, B., Dang, T. T., Than, V. D., Nguyen, N. H., Nguyen, N. H., Apel, H.: “Analysis of water sources in the Central Highlands of Vietnam by hydrological modelling and GRACE/G3P gravity-based monitoring.” 28th General Assembly of the International Union of Geodesy and Geophysics, July 2023, Berlin, Germany. <https://doi.org/10.57757/IUGG23-2387>

### Reports

- Marggraf, S., Chumacero de Schawe, C., Reichel, B. (2024): EbA Best Practice Report, Drought-ADAPT Vietnam. adelphi research gGmbH, Berlin, [https://adelphi.de/system/files/document/eba-report-vietnam\\_final-zusammengefuigt.pdf](https://adelphi.de/system/files/document/eba-report-vietnam_final-zusammengefuigt.pdf)
- Reichel, B., Buerker, H. M. (2024): Ecosystem-based adaptation for drought resilience in Vietnam’s Central Highlands. adelphi research gGmbH, Berlin, <https://adelphi.de/en/publications/ecosystem-based-adaptation-for-drought-resilience-in-vietnams-central-highlands>

### Scientific theses

- Zygar, C. (2023) Remote sensing-based plantation forest mapping in the Central Highlands of Vietnam: A deep learning approach. Master thesis, Julius-Maximilians-University of Wuerzburg.
- Ha Van Tuyen (2024) Spatiotemporal characterization and analysis of drought in mainland Southeast Asia: Unlocking the potential of long earth observation time series. PhD thesis (submitted), Julius-Maximilians-University of Wuerzburg.

### Online sources of project results

- adelphi, GFZ, and IMHEN (2024) *Drought Bulletin for Dak Nong province Vietnam* <http://222.254.32.10/forecast/daknong-drought/#/>
- GFZ (2024) *Statistical hydrological drought forecast for the 2S basin* [https://gfz-section-hydrology.shinyapps.io/drought-adapt\\_statistical\\_forecast/](https://gfz-section-hydrology.shinyapps.io/drought-adapt_statistical_forecast/)
- GFZ (2024) *Numerical hydrological drought forecast for the 2S basin* [https://dn-hydrology.shinyapps.io/drought\\_forecast\\_2s/](https://dn-hydrology.shinyapps.io/drought_forecast_2s/)

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