

DB MISS – KIT current status

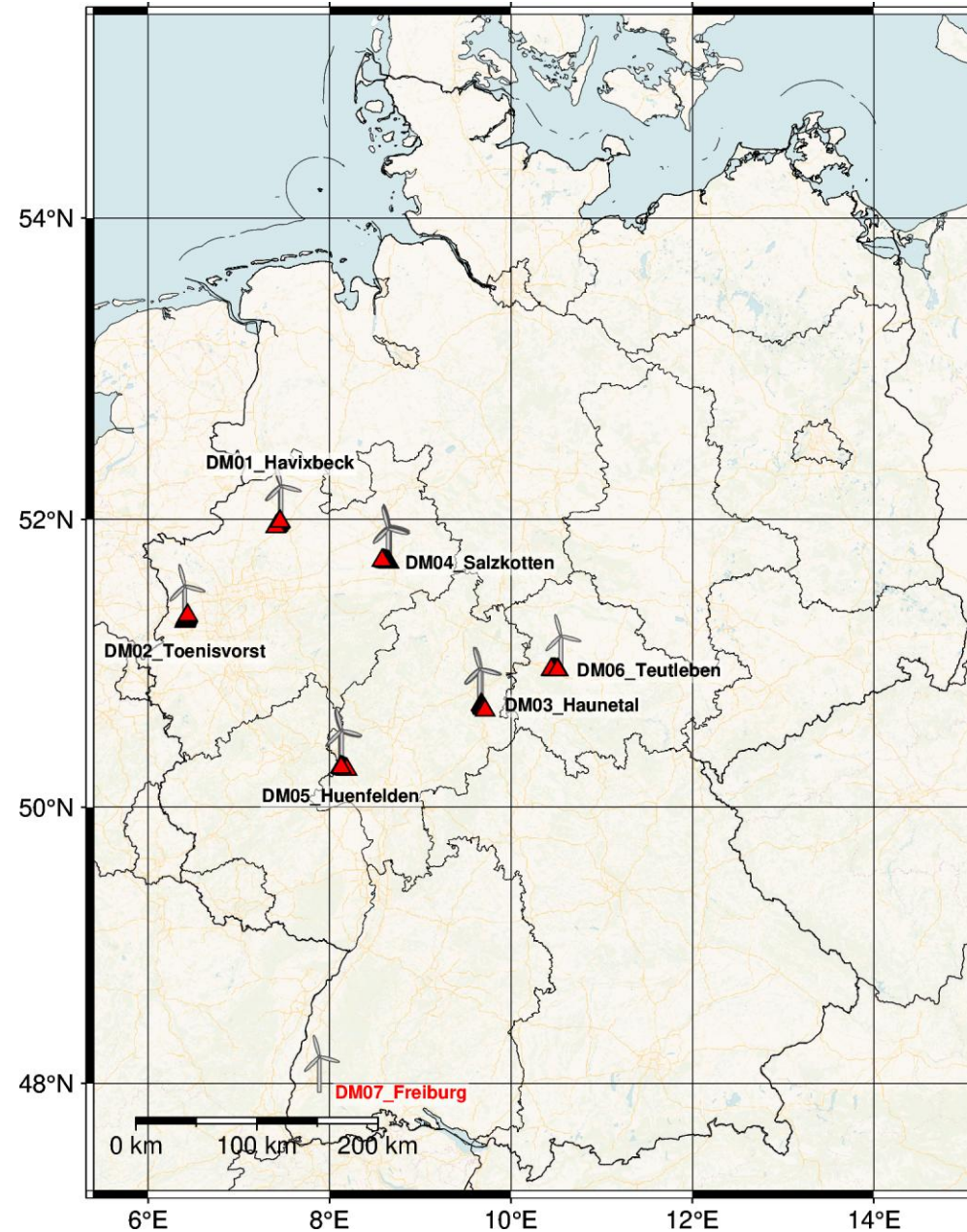
Sarah Mader – 3 March 2025



Die Landesregierung
Nordrhein-Westfalen



Measurement Campaigns

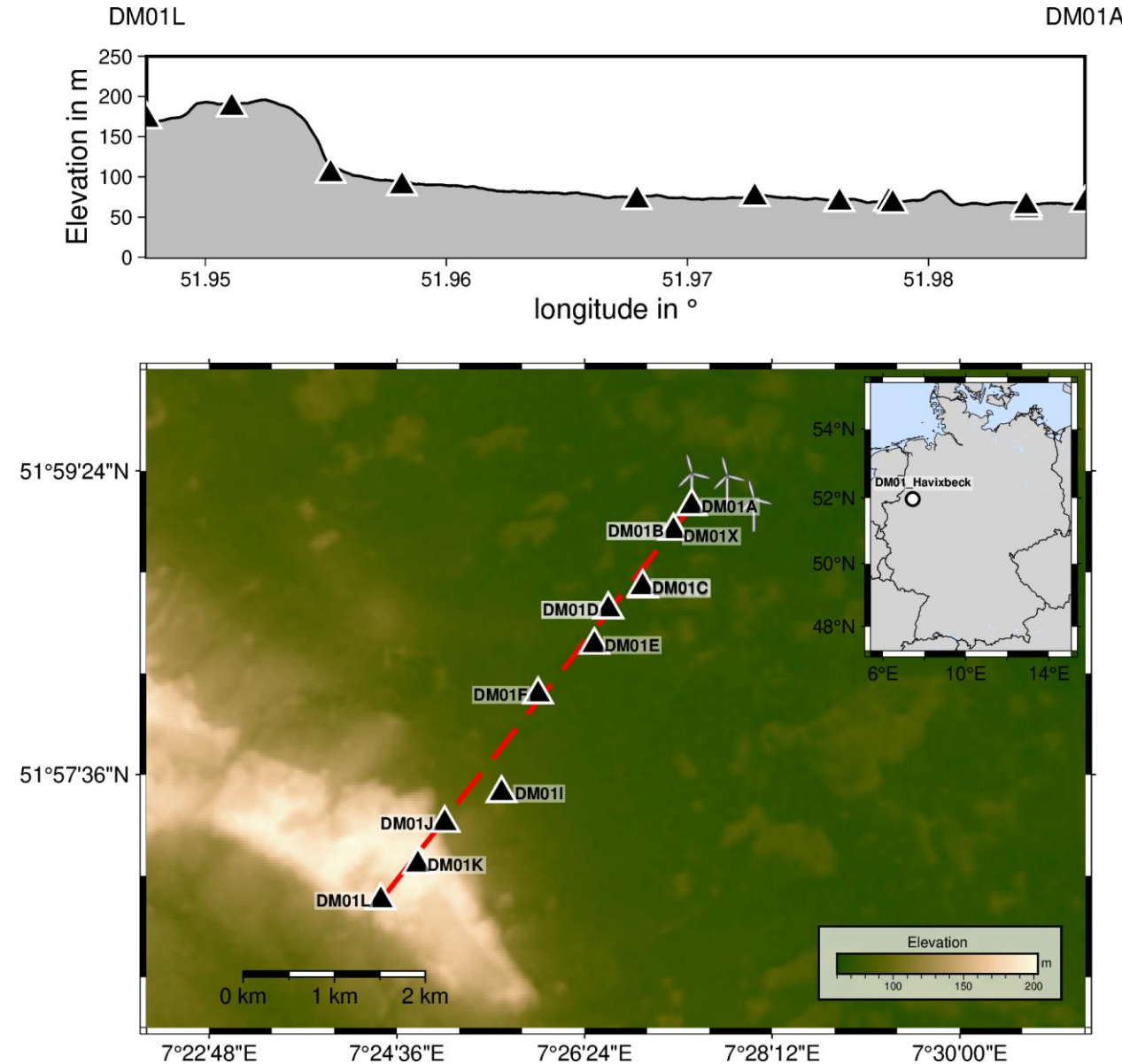


Measurement Campaigns

	time	Number of WTs	Power in MW	WT types	Geology
DM01_Havixbeck	November 2022 November 2024 – January 2025	3	4.5	1	Quaternary glacial deposits, silt, sand and gravel
DM02_Toennisvorst	December 2022 – January 2023	2	4.0	1	Quaternary sand and gravel
DM03_Haunetal	October 2023 – November 2023	4	4.2	1	Sandstone with boulders, clay siltstone
DM04_Salzkotten	December 2023 – January 2024	11	2 – 4.2	4	Quaternary glacial deposits, silt, sand and gravel, meltwater deposits
DM05_Huenfelden	February 2024 – March 2024	3	4.5	1	Clay slate, siltstone, sandstone, quartzite
DM06_Teutleben	October 2024 – November 2024	13	3.0 – 5.5	6	limestone, lime marl stone,
DM07_Freiburg	April 2025	2	4.26 – 5.6	2	Gneiss, granite

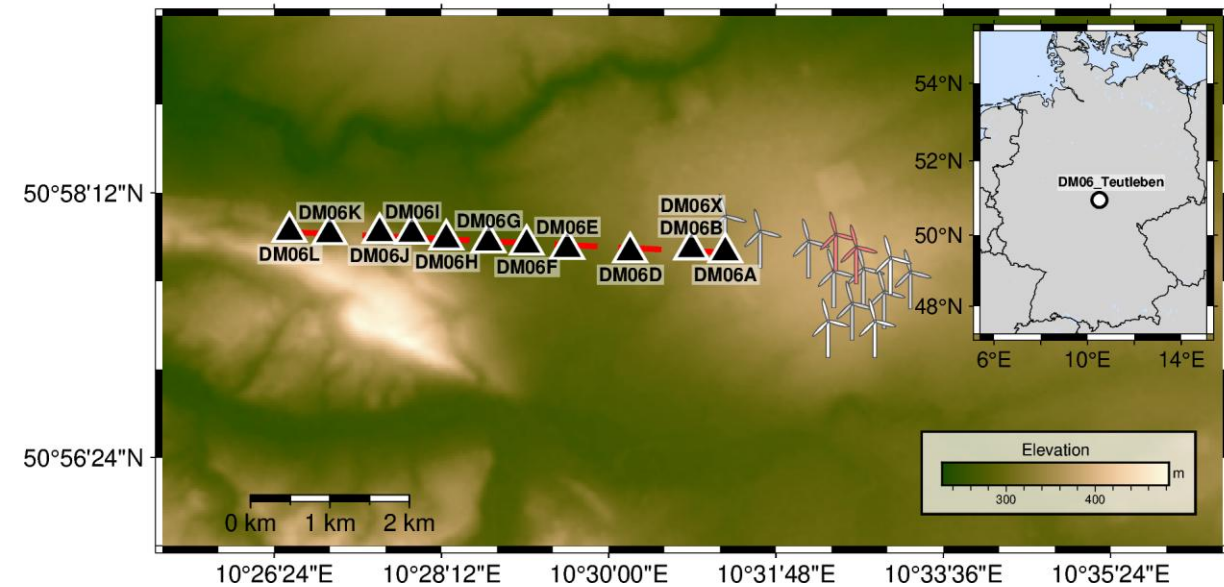
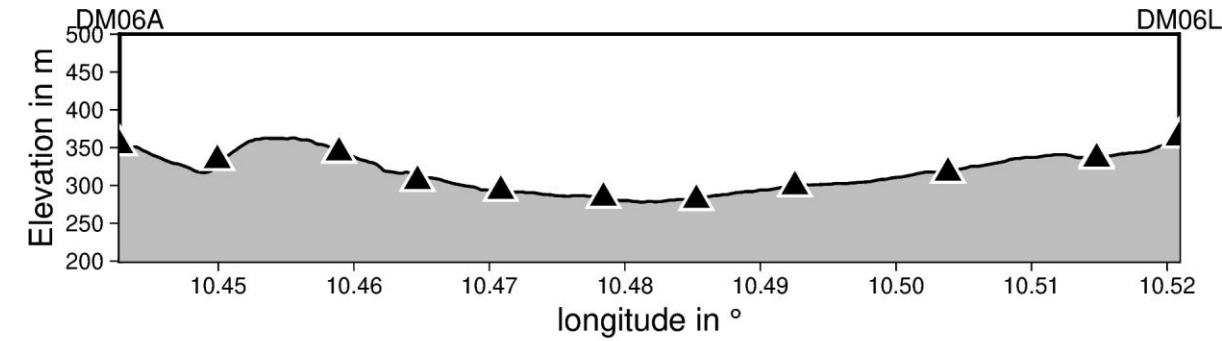
DM01 - Havixbeck

- Windfarm with three 4.5 MW wind turbines
- To compare before and after windfarm construction, we did a measurement in November 2022 (DM01B – DM01D)
- We currently analyze the data in comparison with the wind turbine data



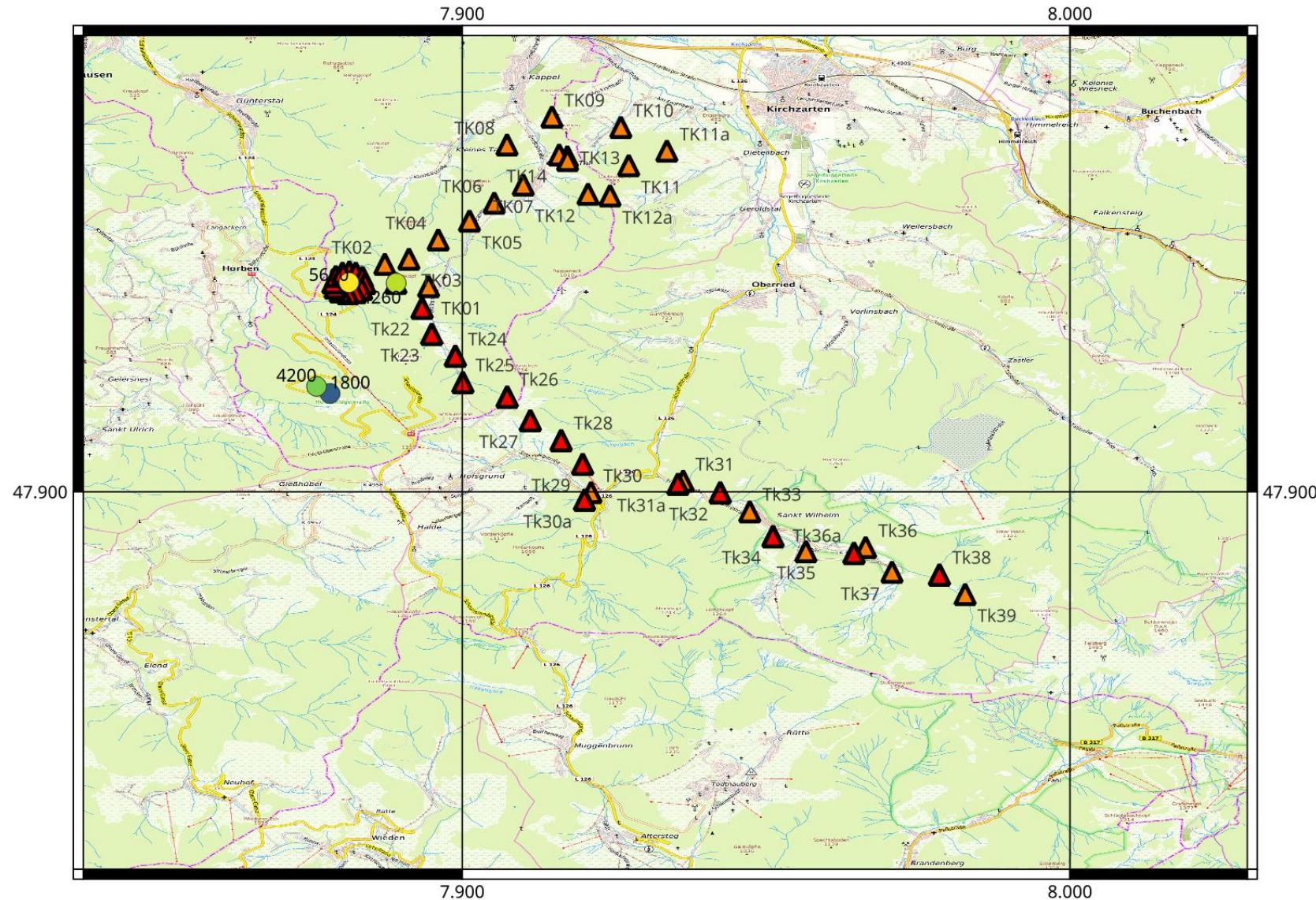
DM06 - Teutleben

- Windfarm with 13 wind turbines (3.3 MW – 5.5 MW)
- We get the wind turbine data of 11 wind turbines



DM07 - Freiburg

- Next measurement campaign near Freiburg in cooperation with the State Earthquake Service of Baden-Württemberg
- Two wind turbines (4.26 MW and 5.6 MW)
- Two profile measurements (NE and SE) and ring measurements
- About 60 temporary seismic stations
- Area with strong topography



Outlook

- Determine b-value for latest measurement campaigns
- Determine Q-value for all measurements
- Compare recorded data before and after wind turbine construction near Havixbeck
- Last measurement campaign in April 2025 close to Freiburg

