

# Student Work Topics

## Geostatistics

- Kriging
- Stochastic Simulation

## Groundwater Modelling NRW

- LANUV
- mGROWA
- Herrmann et al. (2015): Determination of spatially differentiated water balance components including groundwater recharge on the Federal State level – A case study using the mGROWA model in North Rhine-Westphalia (Germany). Journal of Hydrology: Regional Studies, Volume 4, Part B, September 2015, Pages 294-312, [online](#)
- GROWA98:  
[https://www.researchgate.net/publication/223408921\\_The\\_GROWA98\\_model\\_for\\_water\\_balance\\_analysis\\_in\\_large\\_river\\_basins\\_-\\_The\\_river\\_Elbe\\_case\\_study](https://www.researchgate.net/publication/223408921_The_GROWA98_model_for_water_balance_analysis_in_large_river_basins_-_The_river_Elbe_case_study)
- <https://www.lanuv.nrw.de/umwelt/wasser/grundwasser/folgen-des-braunkohleabbaus/grundwassermodelle/grundwassergrossraummodell-rheinisches-revier>

## Glacial Geology of the Lower Rhine Plain

- Lower Rhine Heights: [https://en.wikipedia.org/wiki/Lower\\_Rhine\\_Heights](https://en.wikipedia.org/wiki/Lower_Rhine_Heights)
- Saale glaciation: [https://en.wikipedia.org/wiki/Saale\\_glaciation](https://en.wikipedia.org/wiki/Saale_glaciation)
- Terminal moraine: [https://en.wikipedia.org/wiki/Terminal\\_moraine](https://en.wikipedia.org/wiki/Terminal_moraine)
- Fluvial terrace: [https://en.wikipedia.org/wiki/Fluvial\\_terrace](https://en.wikipedia.org/wiki/Fluvial_terrace)

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Last update: **2022/01/09 18:54**

