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## Central Supercomputing Support for CRC 1502 DETECT (Project Z04)

The Collaborative Research Centre DETECT (CRC 1502) relies heavily on numerical modeling, data processing, and analysis. In this context a Central Supercomputing Support project has been established, which is responsible for: (i) Providing basic support for a multitude of HPC-related issues, (ii) helping with model development (iii) model simulation support (iv) training of early-career scientists at the interface of geoscience, HPC, and big data science. Thereby this project will help the CRC to efficiently conduct its demanding numerical model and simulation experiments as well as processing and analysis tasks, in a big data context. A few examples from ongoing work are presented.

**Primary authors:** Dr CAVIEDES-VOULLIEME, Daniel (FZJ); Dr GÖRGEN, Klaus (FZJ); MUTZEL, Petra (uni-bonn); Dr KELLER, Johannes (FZJ); Dr POLL, Stefan (FZJ)

**Presenter:** MUTZEL, Petra (uni-bonn)

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