

# REQUEST FOR ADDITIONAL RESOURCES IN THE CURRENT YEAR FOR AN EXISTING SPECIAL PROJECT

Please email the completed form to [special\\_projects@ecmwf.int](mailto:special_projects@ecmwf.int).

**MEMBER STATE:** Sweden.....

**Principal Investigator<sup>1</sup>:** Wilhelm May.....

**Affiliation:** Centre for Environmental and Climate Research, Lund University, Sweden.....

**Address:** Sölvegatan 37, 223 62 Lund, Sweden.....

**Other researchers:** .....

**Project title:** Land surface-climate interactions in the EC-Earth ESM: their role for climate variability and contribution to future climate.....

**Project account:** SPsemay

Additional computer resources requested for	2020
High Performance Computing Facility (units)	
Data storage capacity (total) (Gbytes)	25,000

*Continue overleaf*

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<sup>1</sup> The Principal Investigator is the contact person for this Special Project

## **Technical reasons and scientific justifications why additional resources are needed**

I had underestimated the amount of data produced by the EC-Earth global earth system model. Storing the original model output is necessary to be able to provide data to the CMIP6 initiative on request and to have the opportunity for various types of scientific analyses, where other data than monthly means of a strongly limited number of model variables (which can be kept on disk).

Therefore, I would like to ask for additional 25,000 GB of data storage for 2020, making it 45,000 GB. Consequently, I would also need more data storage for 2021 (70,000 GB) and 2022 (95,000 GB) instead of 40,000 (2021) and 60,000 GB (2022), respectively.