

# 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:** SPAIN

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**Other researchers:** Antoni Grau

**Project title:**

EFFECT OF SURFACE HETEROGENEITIES AND  
EVAPOTRANSPIRATION CHANGES ON THE  
ATMOSPHERIC BOUNDARY LAYER

**Project account:** SPESTURB

<b>Additional computer resources requested for</b>		7/11/19
High Performance Computing Facility	(units)	350000
Data storage capacity (total)	(Gbytes)	250

*Continue overleaf*

<sup>1</sup> The Principal Investigator is the contact person for this Special Project  
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## **Technical reasons and scientific justifications why additional resources are needed**

The simulations done to study the circulations in La Cerdanya valley when it was covered by snow during the CCP17 campaign were unsuccessful due to an inadequate setting of the snow parameters and some derived issues with the lateral boundary conditions. Unfortunately, we used a lot of computational units and now we must rerun them after fixing these problems. Therefore, we request additional SBU units to rerun these simulations, because the remaining ones are not enough.