

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

**MEMBER STATE:** .....ITALY.....

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**Project title:** Study of different configurations of the RAMS model for precipitation and lightning forecast over Italy at high horizontal resolution.

**Project account:** **SPITFEDE**

Additional computer resources requested for	2018
High Performance Computing Facility (units)	1.5 millions SBU
Data storage capacity (total) (Gbytes)	no

*Continue overleaf*

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

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

We are involved in a project studying the performance of the RAMS model for the precipitation forecast. This project involves also COSMO and AEROME-WMED models. All models assimilate GPS-ZTD. Forecasts for three months (September-November 2012) should be provided to compare the models' performance using a dense raingauge network over Europe.

We simulated half of the cases and, considering the resources remaining to us, we will not finish the run. Because the simulations must be produced by the end of the year, it would be very useful for us if this request for additional resources could be accomplished.