

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

MEMBER STATE:Italy.....

Principal Investigator¹:Stefano FEDERICO.....

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Other researchers:

Project title: A general-purpose data assimilation and forecasting system

Project account: **SPITFEDE**

Additional computer resources requested for	Current Year
High Performance Computing Facility (units)	100000
Data storage capacity (total) (Gbytes)	50

Continue overleaf

¹ The Principal Investigator is the contact person for this Special Project

Technical reasons and scientific justifications why additional resources are needed

There are two main reasons for requesting additional resources.

The first is a practical one and is due to the fact that I was new to the ECMWF supercomputing environment, and my estimate of the resources necessary for the project, made when presenting the project, was underestimated.

The second reason is due to problems encountered while setting the 3D-Var component of the data assimilation system, which required a larger number of simulations compared to the number I supposed at the start of the project.

These two issues will result in a finishing of the current resources allocated for this project (150.000 SBU) at the end of July.

At the same time I would ask for a small increase of the disk space allocated for the project to store a number of simulations that I will made in the second part of this year. Those simulations will deal with sensitivity experiments of the data assimilation system.