

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

Please email the completed form to special_projects@ecmwf.int.

MEMBER STATE: ITALY

Principal Investigator¹: ANDREA STORTO

Affiliation: NATO/STO CMRE

Address: Viale San Bartolomeo 400, I-19126 La Spezia, Italy

Other researchers: Paolo Oddo, Silvia Falchetti, Craig Lewis

Project title: Enhancing regional ocean data assimilation in high and mid latitude European seas

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Project account: SPITSTOR

Additional computer resources requested for		12/16/19
High Performance Computing Facility	(units)	25 000 SBU
Data storage capacity (total)	(Gbytes)	100

Continue overleaf

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

Technical reasons and scientific justifications why additional resources are needed

The requested additional resources will allow us to complete some assimilation and forecast experiments with the Ligurian Sea regional ocean forecasting systems, where we introduced an additional formulation of a large-scale background-error covariance component in the system. We completed the hindcast (assimilation) experiments, but we did not manage to finish the forecast ones, due also to a larger than expected concurrent consumption of resources for the new Arctic forecasting system than now embeds tides.