

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

MEMBER STATE: Greece, France

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Project title: Stochastic Coastal/Regional Uncertainty Modelling: sensitivity, consistency and potential contribution to CMEMS ensemble data assimilation

Project account: **SPGRVERV**

Additional computer resources requested for	2018
High Performance Computing Facility (units)	1.85 MSBU
Data storage capacity (total) (Gbytes)	2 TB

Continue overleaf

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

Technical reasons and scientific justifications why additional resources are needed

This is a technical report requesting additional resources for the year 2018 and for the Special Project account SPGRVERV.

The computational resources of this SP are used in a joint CMEMS project named SCRUM (Stochastic Coastal/Regional Uncertainty Modelling) in the framework of Service Evolution (<http://www.mercator-ocean.fr/en/portfolio/scrum-2/>).

During 2017, we planned for ensemble simulations that eventually we did not perform on time. As a consequence, we used lesser resources for 2017 compared to what was initially scheduled, i.e. ~6.65 MSBU out of 9 MSBU in total (~75%). For the current year 2018, we wish to continue our work requesting additional resources based on the resources not spent in the previous year 2017, i.e. $9 - 6.65 = 2.35$ MSBU. Excluding the already allocated resources for the year 2018 we ask for additional resources of about $2.35 - 0.5 = 1.85$ MSBU. For the additional data storage in 2018 we estimate that we will need of about $\sim 25\% * 8 \text{ TB} \sim 2 \text{ TB}$ (taking under account the previous year requirements/usage and on top of the 0.5 TB already allocated for 2018).