

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

Please submit the completed form via <https://www.ecmwf.int/en/support>

**MEMBER STATE:** United Kingdom

**Principal Investigator<sup>1</sup>:** B. Monge-Sanz

**Affiliation:** University of Oxford

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**Project title:** Alternative schemes to accelerate seamless weather prediction

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**Project account:** SPGBMONG

Additional computing resources requested for year		2025
High Performance Computing Facility	[SBU]	30million
Total DHS Data storage capacity	[GB]	20,000
<b>EWC resources</b>		
Number of vCPUs	[#]	
Total memory	[GB]	
Storage	[GB]	
Number of vGPUs <sup>3</sup>	[#]	

*Continue overleaf*

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

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

Research collaborations developed along the project (e.g. with CAMS) to assess the value of atmospheric chemistry for numerical weather prediction, have required further and more expensive model runs, in particular involving more comprehensive chemistry configurations as well as assimilation experiments.

Based on the use of SBUs up to date, an estimated request of 30 million additional SBUs is necessary to complete the research plans for this year.