

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

**MEMBER STATE:** IRELAND

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**Project title:** Downscaling a wetter/hotter outlier GCM for the EURO-CORDEX initiative.

**Project account:** SPIESWEE

<b>Additional computer resources requested for</b>	<b>Current Year</b>
High Performance Computing Facility (units)	1,500,000
Data storage capacity (total) (Gbytes)	0

*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**

The aim of this special project is to provide high resolution regional climate model (RCM) data for Europe over the period 1950-2100.

This project was approved in September 2012, and awarded 5,000,000 SBU for 2012, and 8,000,000 SBU for 2013 – a total of 13,000,000 SBU.

Preparation of the global model data required to run the RCM for this project required writing a new program. Previous codes were available from the community, but unfortunately none of them suited the global data being used. Writing this new program was not straightforward, and was not completed until 2013. We did not, therefore, get to use any of our allocated SBU for 2012.

Happily, all simulations are now running successfully. However, by November 2013 we will have used our 2013 allocation of 8,000,000 SBU. In order to complete the simulations, we will need a total of 12,500,000 SBU.

We are therefore applying here for an increase of 1,500,000 SBU for use in the current year

We are submitting a separate application for the extra 3,000,000 SBU required for completion of this project in 2014.