

REQUEST FOR A SPECIAL PROJECT 2012–2014

MEMBER STATE: Germany

Principal Investigator¹: Dr. Hans-Stefan Bauer, Prof. Dr. Volker Wulfmeyer

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Other researchers:
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Project Title: Validation and improvement of high-impact weather process understanding in Europe with the aid of high-resolution WRF simulations and sophisticated data assimilation (VALPUDA)

If this is a continuation of an existing project, please state the computer project account assigned previously.	SPDEVAL	
Starting year: (Each project will have a well defined duration, up to a maximum of 3 years, agreed at the beginning of the project.)	2012	
Would you accept support for 1 year only, if necessary?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>

Computer resources required for 2012-2014: (The maximum project duration is 3 years, therefore a continuation project cannot request resources for 2014.)	2012	2013	2014
High Performance Computing Facility (units)	300000	300000	300000
Data storage capacity (total archive volume) (gigabytes)	3000	3000	3000

An electronic copy of this form **must be sent** via e-mail to: special_projects@ecmwf.int

Electronic copy of the form sent on (please specify date): 29 April 2011

Continue overleaf

¹ The Principal Investigator will act as contact person for this Special Project and, in particular, will be asked to register the project, provide an annual progress report of the project's activities, etc.

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Validation and improvement of high-impact weather process understanding in Europe with the aid of high-resolution WRF simulations and sophisticated data assimilation (VALPUDA)

Extended abstract

It is expected that Special Projects requesting large amounts of computing resources (500,000 SBU or more) should provide a more detailed abstract/project description (3-5 pages) including a scientific plan, a justification of the computer resources requested and the technical characteristics of the code to be used. The Scientific Advisory Committee and the Technical Advisory Committee review the scientific and technical aspects of each Special Project application. The review process takes into account the resources available, the quality of the scientific and technical proposals, the use of ECMWF software and data infrastructure, and their relevance to ECMWF's objectives. - Descriptions of all accepted projects will be published on the ECMWF website.

Extended Abstract sent as an extra pdf file.