



9th September 2018

Dr. Peter Bauer
Deputy Director, Research Department
European Centre for Medium-Range Weather Forecasts
Shinfield Park, Reading RG2 9AX, UK
Email: peter.bauer@ecmwf.int

Letter of support for the ExtremeEarth Flagship Programme initiative

Dear Peter,

It is a pleasure to present this letter of support on behalf of the World Energy & Meteorology Council (WEMC) to endorse the ExtremeEarth proposal for a candidate European Commission Future and Emerging Technology Flagship, targeting a visionary unifying goal for new technologies and approaches for high-precision modelling and simulation of the Earth system.

WEMC is a non-profit organisation devoted to promoting and enhancing the interaction between the energy industry and the weather, climate and broader environmental sciences community. Established in 2015, it builds on the growing body of work, knowledge and experience in weather and climate risk management in the energy industry. Its primary goal is to enable improved sustainability, resilience and efficiency of energy systems under ever changing weather and climate (for more information please see: <http://www.wemcouncil.org>).

Enhancing our understanding and ability to predict and monitor environmental extremes and their impacts on society reliably, as envisaged by the proposed ExtremeEarth project, would greatly assist with WEMC's goals. Specifically, the technologies that ExtremeEarth will develop such as very high-resolution weather and climate forecasts, integrated with application models, will assist with the deployment, operations, and management of energy systems, particularly in the fast-growing area of renewable energy.

WEMC would be happy to collaborate with the ExtremeEarth on a number of areas by for instance:

- i) Promoting the interaction between energy and meteorological experts to improve energy sector operations, planning and management, such as through our newsletters, workshops and our flagship event, the International Conference Energy & Meteorology;
- ii) Developing best practise in energy management of weather risk in the face of climate variability and change and maximising the exchange of information between energy & meteorology globally, in both developed and developing countries;
- iii) Fostering a stronger energy & meteorology community so as to significantly contribute to the resilience of energy systems and the development of clean energies as well as to activities such as the Global Framework for Climate Services and the UN decade of Sustainable Energy for All.

We strongly support the ExtremeEarth Flagship Programme initiative and we wish you best of luck with your preparatory phase, and we look forward to collaborating with you.

Yours Sincerely,

Prof. Alberto Troccoli
Managing Director, World Energy & Meteorology Council
c/o School of Environmental Sciences, University of East Anglia, Norwich NR4 7TJ, UK
T: +44 (0)1603 59 1413 – E-mail: alberto.troccoli@wemcouncil.org



www.wemcouncil.org



info@wemcouncil.org



+44 (0)20 3286 3250



The Enterprise Centre, University of East Anglia, Norwich, NR4 7TJ, UK.