

Dr Peter Bauer
Coordinator
ExtremeEarth preparatory action

Orléans, September 25th 2018

PDG/PT/IM – 2018-011

Endorsement of the European Flagship candidate project ExtremeEarth

Dear Sir,

On behalf of BRGM, the French Geological Survey, I express our support for the proposed preparatory action to develop a FET Flagship project ExtremeEarth.

We fully agree that improving the resilience of our societies in the face of extreme events in the Earth system is an urgent priority today and in decades to come, being indeed a contribution to the UN Sustainable Development Objectives. And we support the ExtremeEarth project objectives to offer new way to predict and monitor environmental extremes and their impacts on society enabled by the integration of edge and exascale computing and beyond, and the real-time exploitation of pervasive environmental data.

Our organisation is France's reference public institution for Earth Science applications in the management of surface and subsurface resources and risks. BRGM research brings practical responses to the major challenges facing society and arising in particular from climate change, increasing mineral resource scarcity, new energy needs, natural risks and soil and water pollution. Our researchers work more specifically on extreme natural phenomena such as floods, droughts, earthquakes, volcanoes, tsunamis, on the impact of climate change on erosion, sea level rise and coastal vulnerabilities and provide decision support for adaptation policy. We are involved in European research projects such as ESPRESSO (Enhancing synergies on disaster risk reduction and climate change) or several actions within ERANET on Climate Services. Besides BRGM delivers geoscientific data via information and communication technologies with a high-level expertise on data interoperability. BRGM is partner and host the Central Infrastructure Hub of EPOS Research Infrastructure. It is also a partner of the new ENVRI-FAIR, the connection of the ESFRI Cluster of Environmental Research Infrastructures (ENVRI) to the European Open Science Cloud (EOSC).



The ExtremeEarth project aims to reflect the views and requirements of scientific, technological and service oriented communities that are included in the project for realizing a step-change enhancement of their capabilities in the future. The representation of these communities will be developed throughout the evolution of ExtremeEarth, from preparatory action to Flagship project, through endorsements, consultations and formal project partnership. While endorsing your Flagship candidate project ExtremeEarth, we indeed support the scientific, technological and programmatic objectives of ExtremeEarth. This endorsement does not imply any legal or financial commitments towards the ExtremeEarth project.

With my best regards,

Pierre Toulhoat
Deputy CEO
Scientific Director