



Karlsruhe Institute of Technology

KIT | Executive Committee | POB 6980 | 76049 Karlsruhe, Germany

**Executive Committee
Vice President for Research**

Prof. Dr. Oliver Kraft

Kaiserstraße 12
76131 Karlsruhe

Phone: +49 721-608-4-2004
Fax: +49 721-608-4-4350
Email: oliver.kraft@kit.edu
Web: www.kit.edu

Official in charge:
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Endorsement of the Flagship candidate project ExtremeEarth (CSA proposal)

To the Coordinator of the ExtremeEarth CSA project proposal

On behalf of Karlsruhe Institute of Technology (KIT) we are expressing our strongest support for the CSA proposal to develop a FET Flagship Project Extreme Earth.

This activity of the climate and earth system science communities to develop a joint FET Flagship candidate project is a most timely and appropriate measure for the future of Europe. It will drastically enhance Europe's capability to predict and monitor environmental extremes and their impacts on society enabled by the imaginative integration of edge and exascale computing and beyond, and the real-time exploitation of pervasive environmental data.

Karlsruhe Institute of Technology (KIT) is strongly involved in research activities with focus on climate change and extreme weather.

Understanding and advancing our ability to predict the frequency of occurrence and intensity of extremes reliably is of paramount importance for efforts to make society more resilient to the environmental impacts of the present and changing climate, and it will allow European governments and businesses to plan more effectively than they are able for current and changing climate risks. ExtremeEarth brings together Earth-system scientists and associated down-stream science and application communities, joining forces with those pushing the envelope in digital technology, to realize in the next five to ten years what seems unfeasible today. ExtremeEarth will greatly enhance our capacity to observe and monitor the state of the Earth, predict extremes, understand their underlying drivers, and characterize their societal impact.

With our research background in the fields of climate change and extreme weather, we see strong links to the aims of the proposed project ExtremeEarth.

Karlsruhe Institute of Technology (KIT)
Kaiserstr. 12
76131 Karlsruhe, Germany
UST-IdNr. DE266749428

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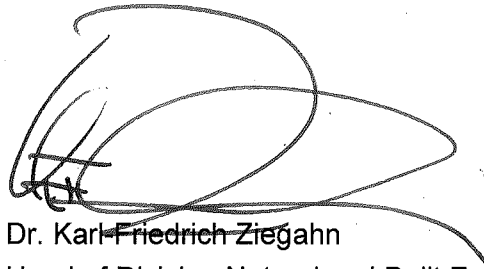
Therefore, we strongly support this proposal and we are looking forward to further intense involvement in this joint European activity.

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. The endorsement of the Flagship candidate project ExtremeEarth implies that the endorsing entity supports the scientific, technological and programmatic objectives of ExtremeEarth.

This endorsement does not imply any legal or financial commitments towards the ExtremeEarth project. Support will imply that statements and logos of supporters may be shown on the ExtremeEarth website.



Prof. Dr. Oliver Kraft
Vice President for Research



Dr. Karl-Friedrich Ziegahn
Head of Division Natural and Built Environment