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Reference:

ExtremeEarth Flagship proposal / Coordination and support actions /

1st stage of a two-stage submission procedure for FETFLAG-01-2018

Subject:

Endorsement for ExtremeEarth

To:

Dr. Peter Bauer, ExtremeEarth-PP

From:

Dr. Hanna Lappalainen, GlobalSMEAR Initiative

We are pleased to endorse on the ExtremeEarth Flagship proposal (Coordination and support actions, the 1st stage of a two-stage submission procedure for FETFLAG-01-2018) coordinated by European Centre for Medium-Range Weather Forecasts.

ExtemeEarth proposal has synergy with the GlobalSMEAR concept. GlobalSMEAR is an initiative towards integrated Earth observatory coordinated by Institute for Atmospheric and Earth System Research (INAR), Helsinki, Finland. GlobalSMEAR measurement concept has been developed at the flagship observatory "SMEAR II" in Finland (61°51' N, 24°17' E) starting from 1995. It introduces comprehensive Earth surface – atmosphere measurement system, which consists of two main blocks: climate feedbacks and air quality. GlobalSMEAR intiative is collaborating with the European research infrastructures such as ICOS, ACTRIS, ANAEE and eLTER. A long-term vision is to have, within 10-15 years, a network of 600-1000 highly instrumented environmental observatories carrying out observations on Earth surface - atmosphere relations: concentrations, profiles, fluxes, processes and feedbacks across disciplines.

Accordingly, we are pleased to endorse the above ExtremeEarth proposal with support from the GlobalSMEAR program. If approved, the GlobalSMEAR will be implemented and coordinated by the GlobalSMEAR coordination team in Helsinki.

Signed:

Secretary General Dr. Hanna Lappalainen

GlobalSMEAR coordination

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