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## **Subject: Commitment to the ExtremeEarth flagship proposal**

Dear Dr. Bauer,

This letter expresses the commitment of Swedish Meteorological and Hydrological Institute (SMHI) to the ExtremeEarth Flagship proposal to be submitted to the second stage of the call FETFLAG-01-2018 in the area Energy, Environment and Climate change.

SMHI fully supports the technological and scientific ambitions of ExtremeEarth, which has the potential to enable large capability breakthroughs in our areas of weather, climate and other environmental issues.

SMHI looks forward to collaborating with the ExtremeEarth project consortium should it be positively evaluated and receive funding. Specifically, our envisioned cooperation would involve research on the fully coupled Earth modelling system, including impact modelling as well as the initialization and data assimilation problem for convective- and higher scale forecasting systems.

Yours sincerely,

Rolf Brennerfelt Director General, SMHI