

Fabio Venuti  
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European Centre for Medium Range Weather Forecasts  
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## Letter of Support for ExtremeEarth

Dear Fabio Venuti,

As frontrunner in the field of severe weather warnings in Austria and one of the market leaders in Europe UBIMET is highly interested in the impacts of global climate change potentially leading to a significant increase in extreme weather events.

The inherent physical complexity of the Earth system, the chaotic nature of the underlying processes, today's lack of sufficient and accurate observational data, the lack of accurate models to simulate the system's complexity and uncertainty, and the missing link between physical science and impact models still leads to insufficient forecast accuracy and thus reduce the potential of limiting the damages caused by severe weather.

Since our own models use ECMWF model data among others as input, **we highly support the project ExtremeEarth**, that aims at improving the model capabilities regarding unprecedented resolution and accuracy and enhancing the capacity to observe and monitor the state of the Earth, predict extremes, understand their underlying drivers, and predict their societal impact. ExtremeEarth's development of ultra-high-resolution modelling capabilities of the entire Earth-system is expected to enhance our capability in forecasting and analysis of hyper local severe weather events.

Yours sincerely,



Manfred Spatzierer  
CEO  
UBIMET GmbH