



redefining / standards

Alban de Mailly Nesle
AXA Group Chief Risk Officer & Group
Head of Insurance Office

Dr. Peter Bauer
Deputy Director
Research Department
European Centre for Medium-Range Weather Forecasts
Shinfield Park, Reading RG2 9AX,
UK

Paris, 16th February 2018

Dear Dr. Bauer,

AXA support to ExtremeEarth

ExtremeEarth has a very ambitious goal to build the modeling, supercomputing and data handling technologies needed to simulate the Earth's system with unprecedented accuracy in order to enhance our ability to predict geo-hazards and prevent loss of life and infrastructure. This poses significant scientific, technological and societal challenges, which require a step change in our computing capabilities (in particular through exascale computing systems) and our abilities to source and exploit new sources of data. ExtremeEarth's development of ultra-high-resolution modelling capabilities of the entire Earth-system is expected to accelerate the development of applications through a value-chain that integrates our scientific and impact prediction capability.

AXA, as an insurance company operating worldwide, seek to offer protection and compensation against geo-hazards. It is critical for AXA to assess any changes in the frequency and intensity of hazards, especially those related to extreme weather in a warming climate. AXA performs some research in house and increasingly seeks collaboration with environmental scientists in areas keys to its business in particular through the AXA Research Fund.

For these reasons AXA fully supports the preparatory action of the *ExtremeEarth* initiative, which, if eventually selected as a European flagship project, will deliver critical advice to enable Europe to better plan for, adapt to and mitigate the effects of geo-hazards in general and high-impact weather events in particular.

Yours sincerely,

Alban de Mailly Nesle
alban.demaillynesle@axa.com