



**EUROPEAN TECHNOLOGY
PLATFORM FOR HIGH
PERFORMANCE COMPUTING**

**European Technology Platform for High
Performance Computing (ETP4HPC)**

Science Park 140
1098 XG Amsterdam
The Netherlands

To whom it may concern

Endorsement of the Flagship candidate project ExtremeEarth

ETP4HPC understands ExtremeEarth wants to increase the capacity to observe and monitor the state of the Earth, predict extremes, understand their underlying drivers, and characterize their societal impact.

Therefore, *ExtremeEarth* will need to drive HPC and data intensive methodologies to a new level: the diversity and volume of Earth observation data requires the adoption of novel and efficient pre-processing and information extraction, supported by edge-based computing infrastructures at the front-end, and user-friendly information analytics combining components of the Earth system at the back-end.

Those technological challenges faced by *ExtremeEarth* are at the heart of the ETP4HPC activities: ETP4HPC advocates that the development of future architectures must rely on strong co-design between the applications owner and the technology providers. The latest version of ETP4HPC's Strategic Research Agenda (SRA) reflects this in a key section dedicated to applications requirements. The "Extrême Scale Demonstrators" concept developed within ETP4HPC is also fully in line with these considerations.

ETP4HPC fully supports *ExtremeEarth* approach and is looking forward to contributing to tackling the technological challenges faced by the *ExtremeEarth* community.

A handwritten signature in blue ink, appearing to read "Jean-Pierre Panziera".

Jean-Pierre Panziera
Chairman of ETP4HPC

