

## **Extreme Earth**

to address Earth, Climate Change and Natural resources sub-area

Revolutionize Europe's capability  
**to predict and monitor environmental extremes  
and their impacts on society**

by

**Integration of edge and exascale computing,  
and exploitation of data**

**Extreme Earth:** merger of

European Programme on Extremes of Weather, Climate and Computing (EPECC)

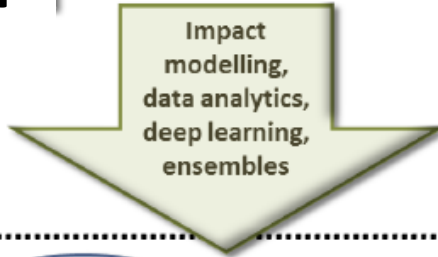
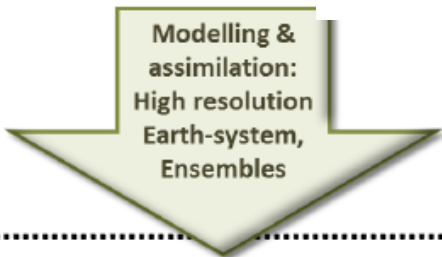
Ultimate Earth

**Coordination ECMWF – Peter Bauer**

Coordination team: H. Bolt (HZG, DE), D. Giardini (ETH, CH), W. Hazeleger (Nlesc, NL),  
S. Joussaume (IPSL, FR), T. Jung (AWI, DE), J. Ludden (BGS, UK), A. Navarra (CMCC, IT),  
T. Palmer (U. Oxford, UK), T. Schulthess (CSCS, CH), B. Stevens (MPIM, DE)

# EE Flagship

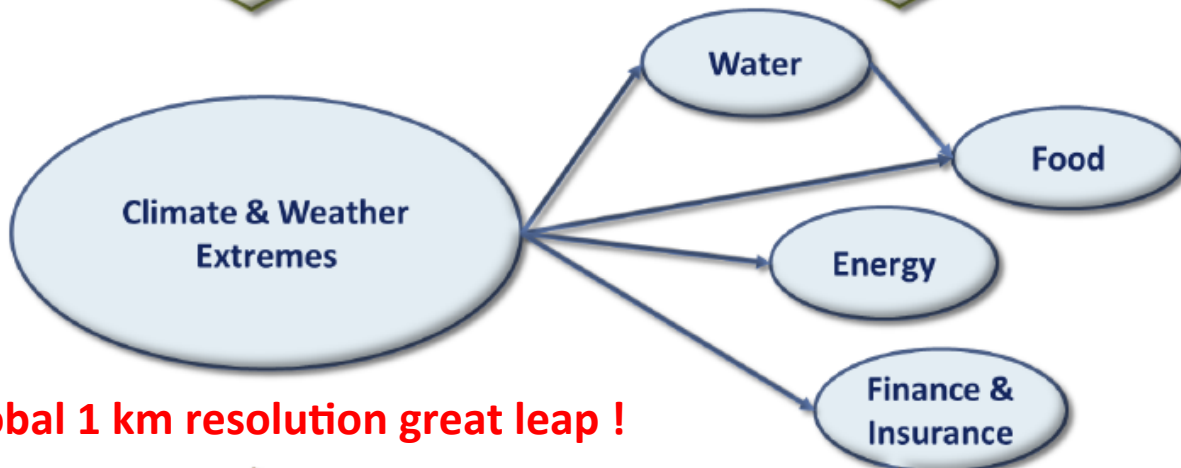
Science Challenges



## Beneficiaries

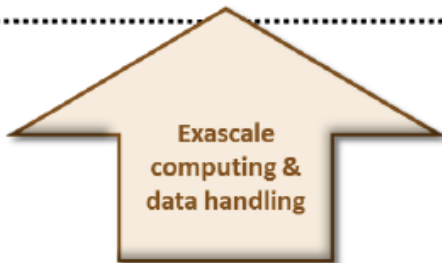
NMHS  
Climate prediction centres  
Academia  
International community  
...

Applications



Copernicus Services  
Value adding SME  
Insurance industry  
Finance industry  
UN organisations  
Governments  
...

Technology Challenges



EC HPC strategy  
PRACE  
HPC centres  
HPC companies  
...