



- ✔ A European initiative advancing **flagship codes for Exascale, ready for EuroHPC systems**
- ✔ A community using supercomputing to explore **geohazards such as earthquakes, tsunamis, volcanoes, glaciers, and geodynamics**
- ✔ A **hub linking science, HPC, and civil protection**, turning research into tools for society

- ✔ Optimise **flagship codes for Exascale computing** to run efficiently on EuroHPC systems
- ✔ Develop Pilot Demonstrators and Simulation Cases showcasing **real-world applications**, from early warning systems to urgent computing
- ✔ Build capacity and train communities, enabling **scientists, institutions, and stakeholders to harness HPC for disaster preparedness** and response

Elmer/ICE

ChEESE led the **EGU Galileo Conference on “Solid Earth and Geohazards in the Exascale Era”** (2023), uniting the scientific community to define a shared roadmap for future collaboration in exascale geoscience.

