Sisyphus’ work: adapting applications to new HPC architectures - a European perspective
Situation

- Software and applications have a lifespan of decades
- Hardware has a much shorter lifespan
- Computational scientists want both to attain the best performance on high-end machines, while maintaining their well-tested and validated code bases over several architectural generations

Questions:

- How does the growing gap between applications and system architectures can be addressed?
- Which areas should be addressed in order to deal with this challenge?
Agenda

● Short presentations of our panellists (5 min.)
  – Jean-Marc Denis      EPI
  – John Davis          BSC
  – Estela Suarez       Forschungszentrum Jülich
  – Erik Lindahl        Stockholm University/ KTH
  – David Richards      Lawrence Livermore National Laboratory

● Discussion
THANKS!

You can find us at:
@etp4h
office@etp4hpc.eu
www.etp4hpc.eu