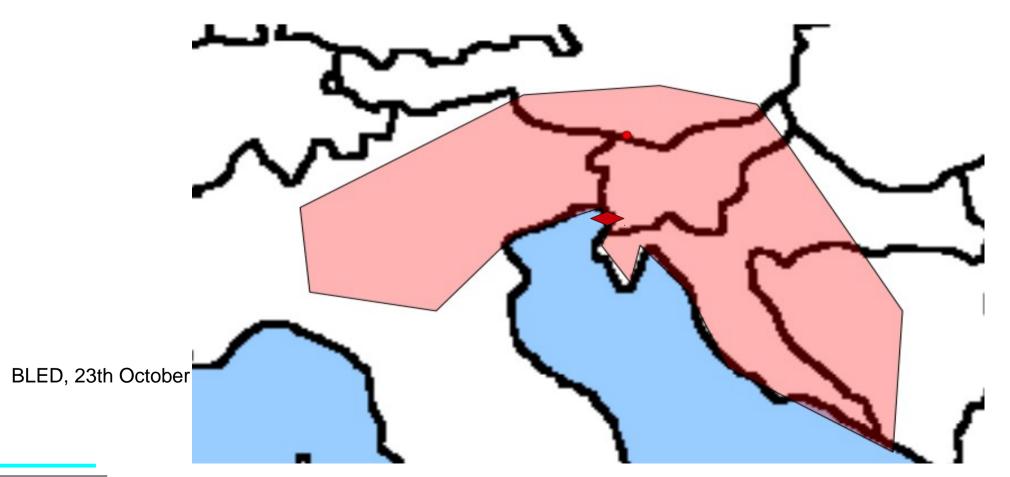


HPC in cross border region

Stefano Cozzini

eXact lab srl and CNR/IOM Democritos - Trieste





What do we have at Trieste:

- Network of excellent research Institutes, where simulation is one of the main tool .
- Facts:
 - SISSA/DEMOCRITOS users computed for about 7.2 million CPU hours locally in 2011 and at least 3 more time all around the world
 - SISSA/ICTP signed an agreement to build a 150TF system in 2013 and to open a university master in HPC
 - Spin-off companies are born in such Environment



A CNR/IOM spin-off company



eXact HPC world

eXact has more than ten years experience in HPC, sening and training the scientific community in the fast moving world of high performance technologies, systems and applications.

Learn more >

Smart solutions

eXact offers expertise in high performance computing delivering cost effective solutions for installation and configuration of clusters, in both scientific and enterprise areas.

Learn more >

Creating talent

Extend your HPC competence. eXact training programs leverage a deep scientific and technical knowledge base, spanning a full range of algorithms, software and architectures.

Learn more >

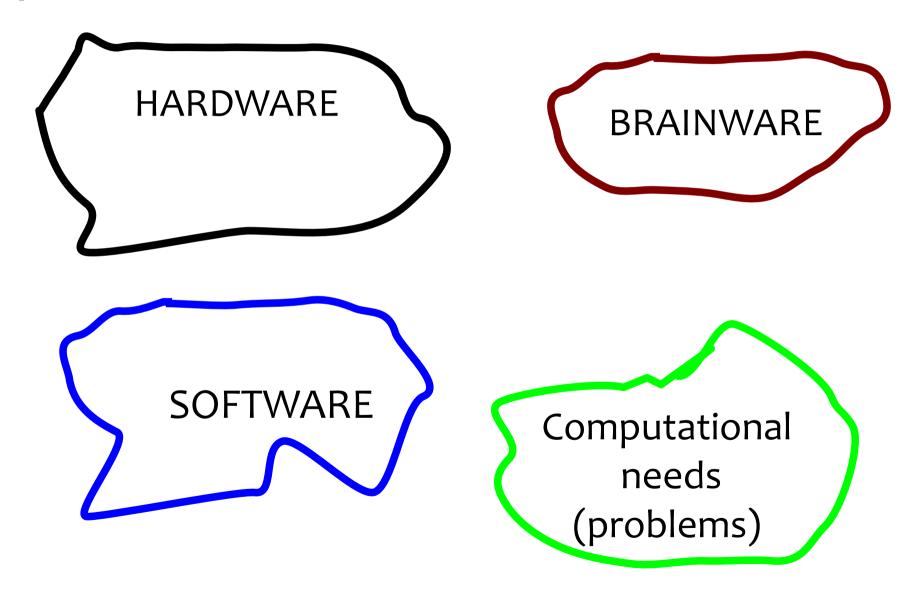
Be elastic

Don't worry about the infrastructure, it's our job. eXact offers pay-per-use solutions that span from bare SSH to web portal access to bleeding edge HPC cluster farms.

Learn more >



All the components of an HPC ecosystem are present





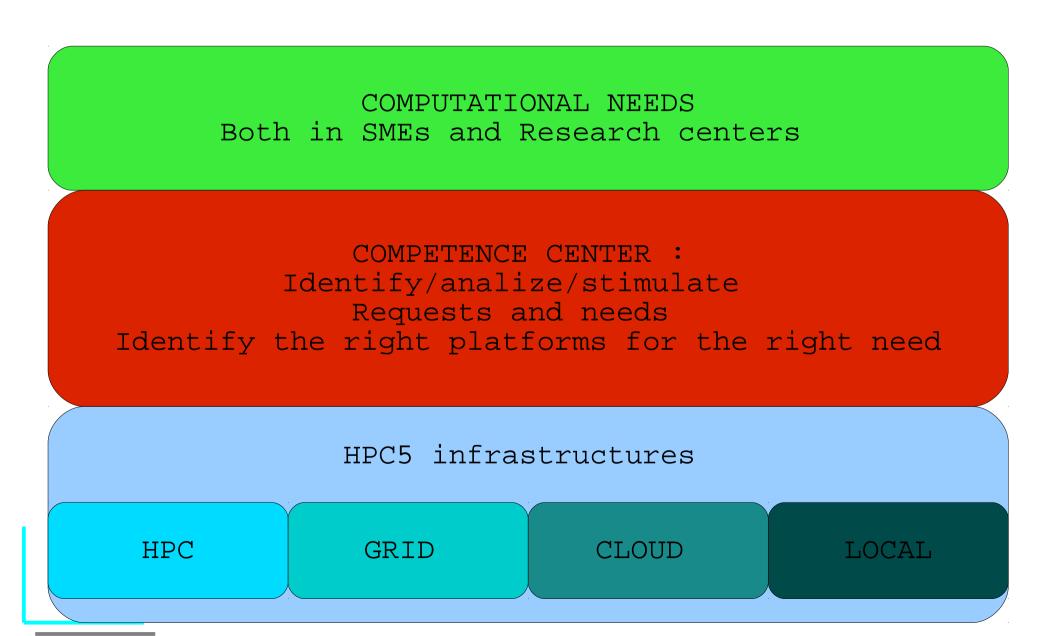
Interact/capitalize/grow : the HPC5 challenge

- Leverage on HPC competences on the Italian/Slovenian border to:
 - STIMULATE HPC needs in SME
 - KOWLEDGE exchange with ACADEMIA
 - Make business

high performance and cloud computing cross-border comptence consortium

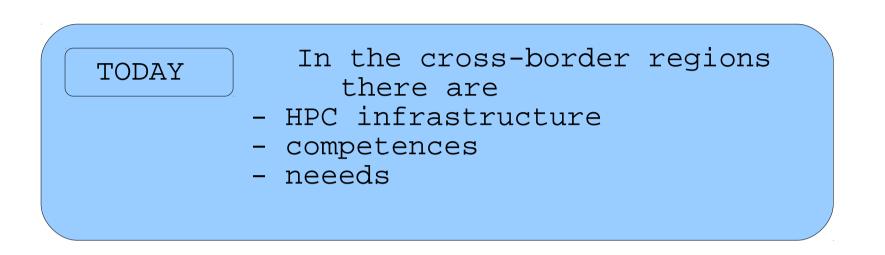
Our HPC5 integrated vision :







Conclusions



TOMORROW

HPC5 Integrated ecosystem ready to a world wide challenge

