DE LA RECHERCHE À L'INDUSTRIE

Jean GONNORD
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Direction des Applications Militaires

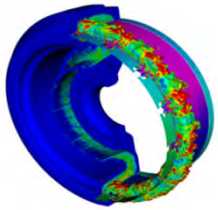
A global HPC strategy since 1996

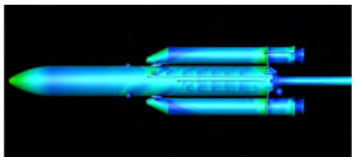
- **Independent access to technology**

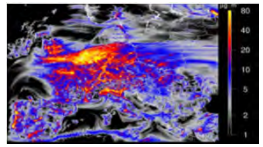
- **World class infrastructures**

TERA100: First petaflop/s computer designed in Europe

- **Important spin-off to industry and society**







From Research to Industry: TGCC & Ter@tec Campus

Independent access
World class infrastructure
Spin off to industry and society

A successful business model since 2003

2013-2014
France

September 2013
French President F. Hollande announces 34 "Industrial plans"

Gérard Roucairol
President of Ter@tec
is the leader of the plan

May 19th 2014:
Supercomputer plan is launched

CEA is the operator for
"New generation of supercomputer"

Independent access
World class infrastructure
Spin off to industry and society

SRA April 2013
An agenda
towards the exascale
as well as pervasive HPC

ETP 4 HPC
THE EUROPEAN TECHNOLOGY PLATFORM FOR HIGH PERFORMANCE COMPUTING

cPPP December 2013
500M€ for European
HPC technology

2013-2014
Europe

The Commission has committed under Horizon 2020 to partnerships with industry in the form of contractual Public-Private Partnerships (cPPP) in eight areas:
…/…
- High Performance Computing (HPC), which plays a pivotal role in stimulating Europe's economic growth and advancing European science

…/…
For the whole seven year period, EU funding is expected to be in the order of € 6.2 billion, divided as follows:
…/…
- €700 million for High Performance Computing (€142 million in 2014-2015)

…/…

May 2014
An agreement between 4 leading entities active along the whole HPC value chain [technology, infrastructure, applications] to support the European Commission strategy

Barcelona Supercomputing Center (BSC), Cineca Consorzio interuniversitario (CINECA), Commissariat à l'énergie atomique et aux énergies alternatives (CEA) and Forschungszentrum Jülich (FZJ) have agreed to coordinate themselves in order to continue the implementation of the European High Performance Computing (HPC) strategy through technology development as proposed in Horizon 2020. The objectives of the agreement are to coordinate HPC R&D and Innovation efforts of the partners, leveraging joint efforts for better effectiveness; to help building a globally competitive value chain and HPC flagship industry from hardware to applications; to support the EU HPC strategy defined at the level of the European Commission, and collaborate in alignment with it. …/…