

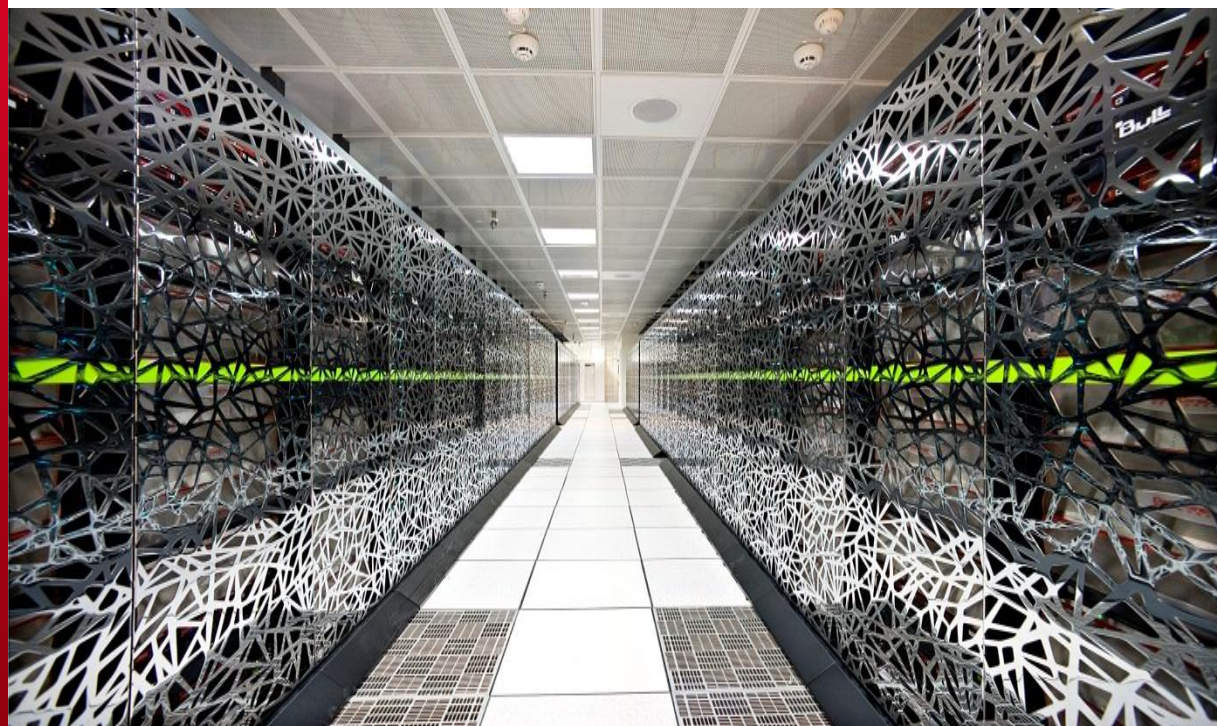
DE LA RECHERCHE À L'INDUSTRIE



Jean GONNORD
CEA/DAM

www.cea.fr

2012 - 2013

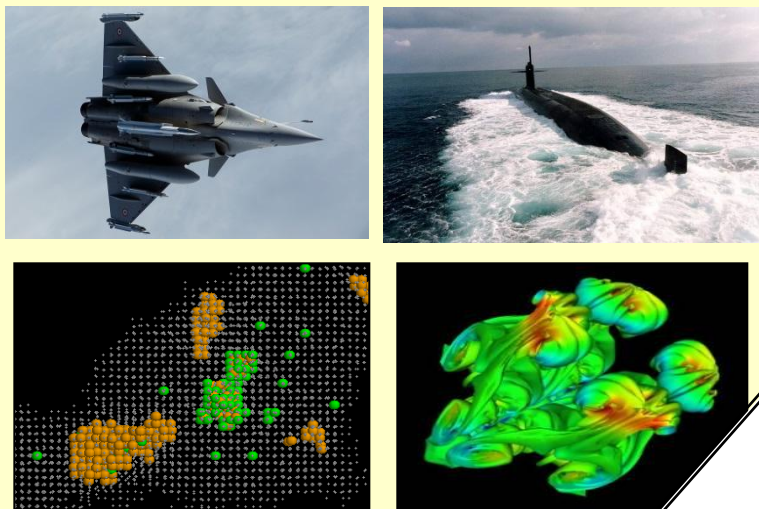


Années de l'Europe pour le HPC
Années de l'industrie pour le CEA

The CEA Scientific Computing Complex

Developing synergies between Defense, Industry and Research

CEA Defense Computing Centre TERA



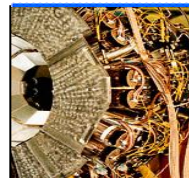
**Mutualise
Tech.survey
Expertise**

**Control
the complexity**

**experimental
Computing centre**



CEA Open Computing Centre



Extreme Computing Lab



Exatec Lab



Several hundreds of engineers and researchers devoted to HPC on a single site



**COUNCIL OF
THE EUROPEAN UNION**



Conclusions on 'High Performance Computing: Europe's place in a Global Race'

*3242nd COMPETITIVENESS (Internal Market, Industry, Research and Space)
Council meeting
Brussels, 29 and 30 May 2013*

The Council adopted the following conclusions:

9. RECOGNISES the need for all relevant actors, public and private, to work in partnership; INVITES Member States, the Commission, and industry to ensure appropriate investments in HPC (noting the importance of investment in software development, HPC methodologies, education and training, in addition to hardware) and to optimise European investment while taking into account past efforts of Member States for investments in world-class HPC infrastructure; INVITES Member States and the Commission to exchange and to share priorities and plans for HPC development in the context of the appropriate fora, in association with PRACE and the European Technology Platform on HPC;

Le feu vert au programme exprimé en 2012 par la Commissaire Neely Kroes



High-Performance Computing: Europe's place in a Global Race

Neely Kroes
Commissioner for Information Society



...

*Despite this, **EU HPC suppliers held a market share of only 4.3% in 2009.** Most EU HPC manufacturers had disappeared by the start of the new millennium. Since then US-manufactured supercomputers have captured 95 % of the EU market.*

...

6. AN ACTION PLAN FOR EUROPEAN LEADERSHIP IN HPC

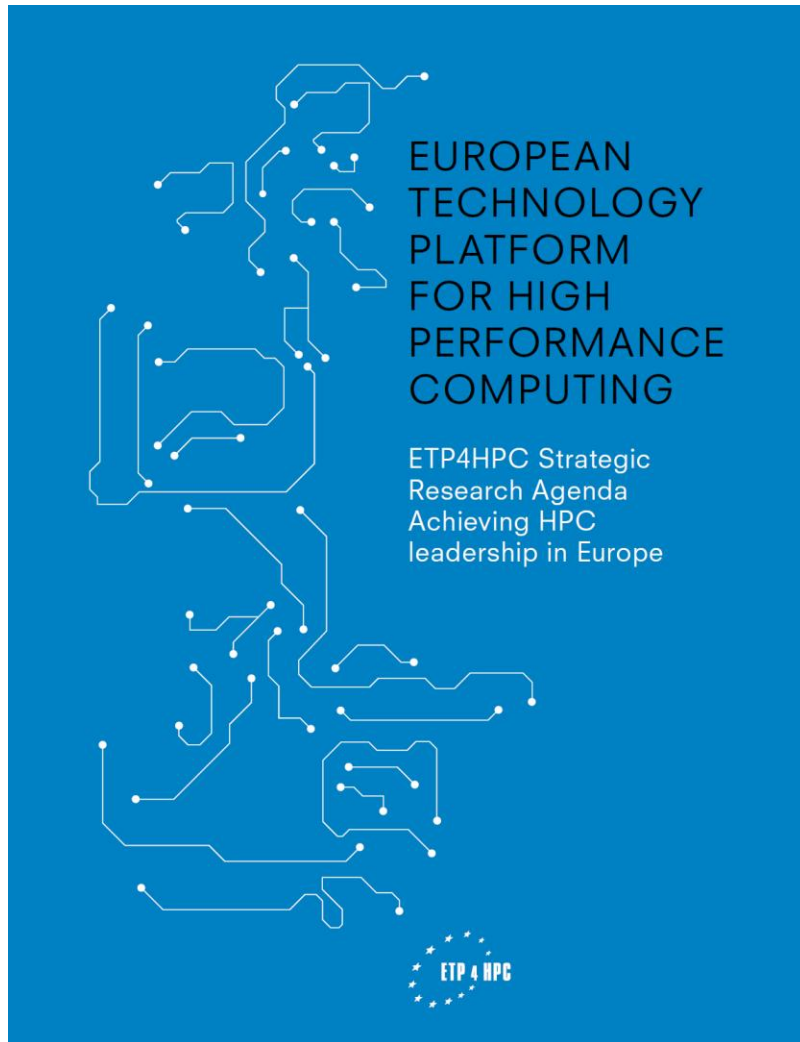
The Council asked for a further development of the European High Performance Computing Infrastructure and a pooling of national investments in HPC in order to strengthen the position of European industry and academia in the use, development and manufacturing of advanced computing products, services and technologies. This is the high-level objective driving a renewed European HPC strategy.

...

Specific Objectives

- ☐ *Provide a world-class European HPC infrastructure, benefitting a broad range of academic and industry users, and especially SMEs,*
- ☐ *Ensure independent access to HPC technologies, systems and services for the EU;*

...



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Ian Phillips, ARM
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François Bodin, CAPS
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Sanzio Bassini, CINECA
Giampietro Tecchiolli, Eurotech
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Patrick Blouet, ST
Malcolm Muggeridge, Xyratex

Jean-François Lavignon, Bull
Chair of ETP4HPC

**Furnished on time to the EU Commission to be the basis of
HORIZON2020 HPC Projects**