HPC Centres of Excellence Workshop
DG CONNECT
18 October 2012

Discussion
HPC-CoE Requirements and Scope 1

• What are the needs for HPC-CoEs?

• What would be the main goals or "mission" of HPC-CoEs?

• What activities should they carry out? What services should they offer?
HPC-CoE Requirements and Scope 2

• Which are the areas (scientific/industrial) that will significantly benefit from HPC-CoEs?

• Should HPC-CoEs be structured by application area, by societal challenge or somehow else?

• How granular should the classification be for best results? (e.g.: by application area like life sciences overall or biotech).
HPC-CoE Requirements and Scope 3

• What are the present constraints hampering the establishment of HPC-CoEs? (technical/organisational/economical, etc.)

• Would there be a need for co-design activities in these centres, or in specific co-design centres?

• Are there similar models in the USA or elsewhere? What lessons can be learned from them?
HPC-CoE Innovation, Organisation & Sustainability 1

- Who should participate in HPC-CoEs?
- What should be the governance structure?
- What is the business model for a HPC-CoE?
HPC-CoE Innovation, Organisation & Sustainability 2

• What relation should HPC-CoEs have to existing research infrastructures? (e.g. PRACE)

• How could we best encourage innovation and the involvement of industry in HPC-CoEs? How could HPC-CoEs encourage/support commercial exploitation of their results?

• How much would they cost? Who should pay?
HPC-CoE Innovation, Organisation & Sustainability 2

• What is the role of the market vs. the public sector (EC, Member States, Regions, Structural Funds etc.)? Is there a role for private-public partnerships?

• What are the key roles of other stakeholders (e.g.: European Technology Platforms, industry, etc.) for financially supporting CoEs.

• What kind of training models could be used?

• What could be the potential contribution from Horizon 2020?