



Abstract: "Moving e-Infrastructure into a new era - the FP7 challenges"

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Europe has driven the deployment of powerful ICT based infrastructures able to radically change the way we understand and practice science today and in the future. Current achievements focus primarily on to interlinked layers:

- high speed networks which burn distances
- deployed grid infrastructures which promote the sharing and the efficient use of expensive scientific resources

In the future, Europe will need to reinforce the current achievements and address a third layer, related to data, a key asset within the scientific cycle and a key sharing element in a "virtual research organization".

The success of this European approach will help scientists to concentrate in their domain of expertise, making the scientific process more efficient. It will also favor the deployment of an eco-system of research infrastructures in Europe, rationalizing and increasing the value-added of such investments.