



Meeting of the
European IPv6 Task Force, IPv6 cluster, Italian IPv6 Task Force

Research Infrastructures

- 2004 prospects -

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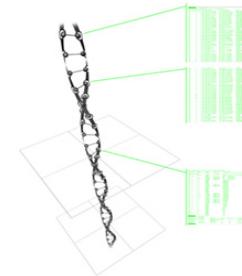
1st October 2003

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■ Research Infrastructures

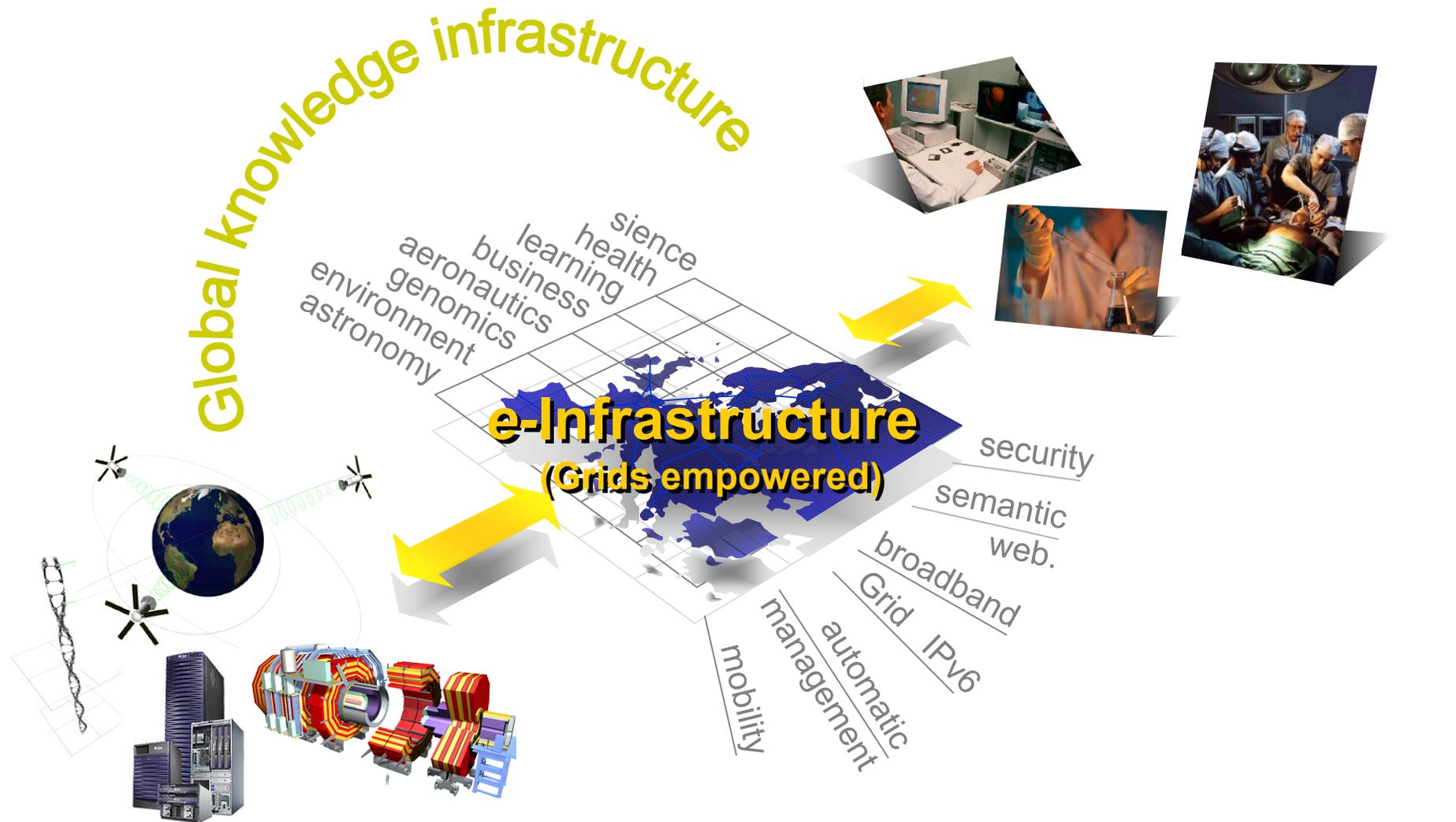
Empowering the researchers

- ⇒ Centered around the researcher
- ⇒ Providing access to shared resources
- ⇒ Building upon the latest technology
- ⇒ Fostering the deployment of knowledge



Paving the way to industrial adoption

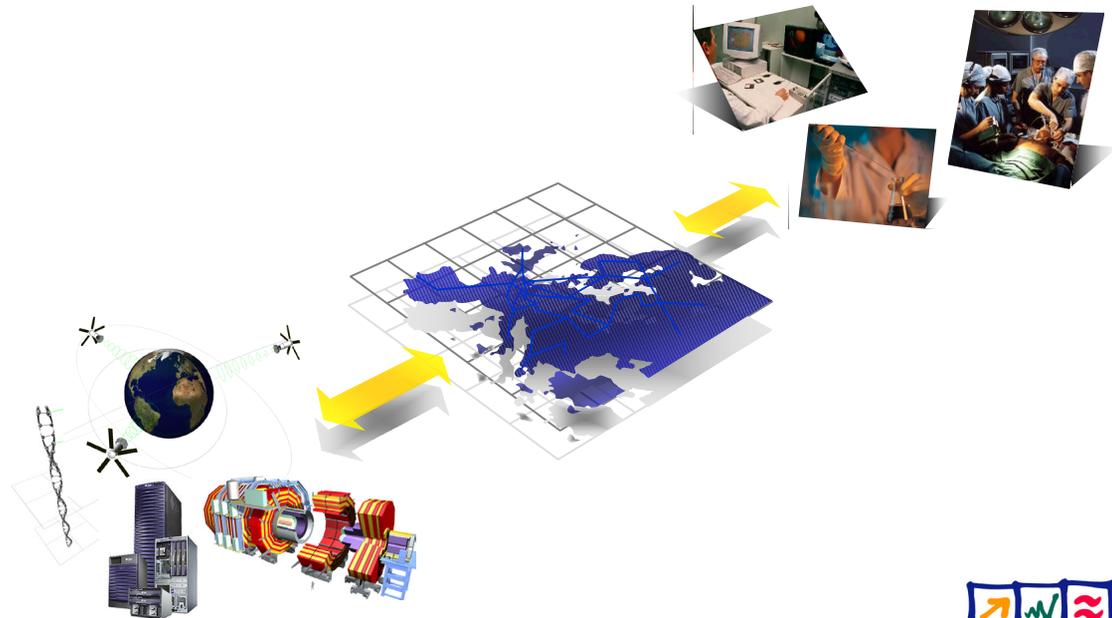
■ Vision - creating an e-infrastructure...



■ e-infrastructure - linking to policies

Research e-Infrastructures:

- “corner-stone” of ERA
- “spear-head” of an “eEurope infrastructure” (e.g. broadband ++)
- “integrator” of National Infrastructures
- powerful “instrument” for International cooperation
- ... cohesion, cooperation, standards, industrial, etc...



■ e-Infrastructure - policy related initiatives

Research e-Infrastructures ⇒ complementarity between R&D and policy related initiatives

⇒ EU IPv6 Task Force

⇒ National Task Forces, Council conclusions...

⇒ e-Infrastructure Reflexion Group

⇒ framework for easier, faster and more cost-effective access from all researchers.

⇒ Promoting best practices implementation (facilitate and accelerate a later commercial uptake)

⇒ Security

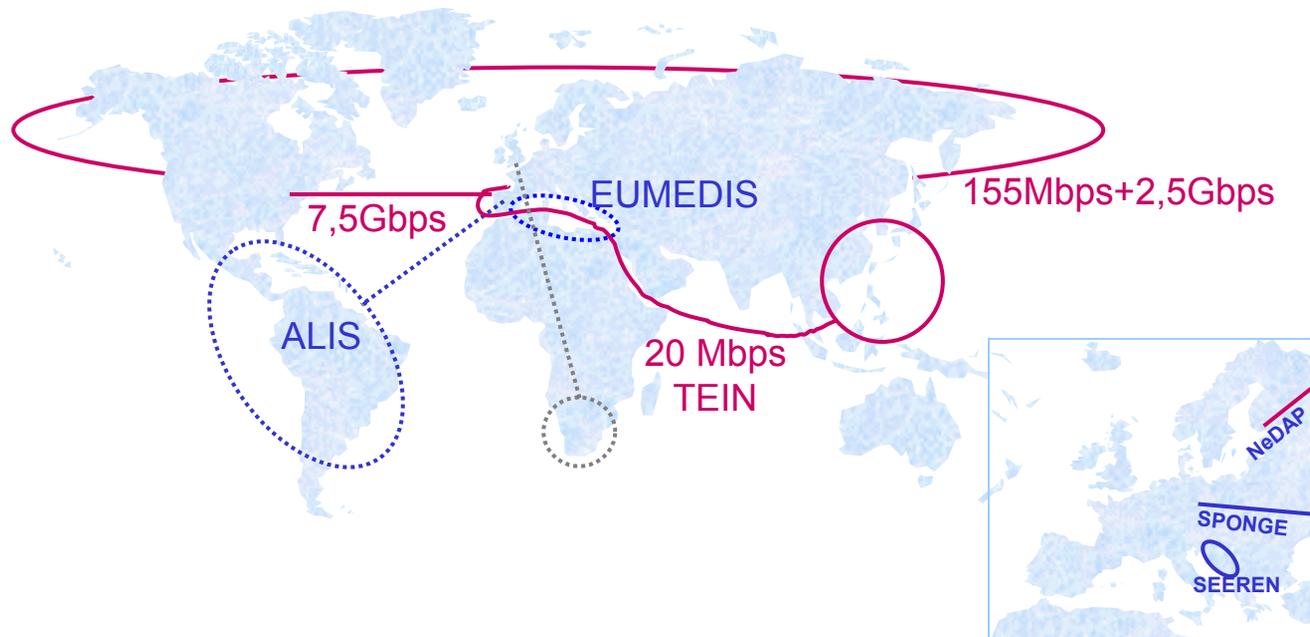


www.einfrastructures.org

■ e-Infrastructure - a world of opportunities

Cooperation with initiatives such as the cyberinfrastructure +

- EU-North America: 7,5 Gbps (+ 10Gbps)
- EU-Japan: 155Mbps + 2,5Gbps
- EUMEDIS: starting implementation
- ALIS: CfT results being analysed and CLARA in place
- TEIN: 20 Mbps (end of 2003... 10MEuro)
- South Africa: Good prospects for connectivity



■ e-Infrastructure - dissemination initiatives

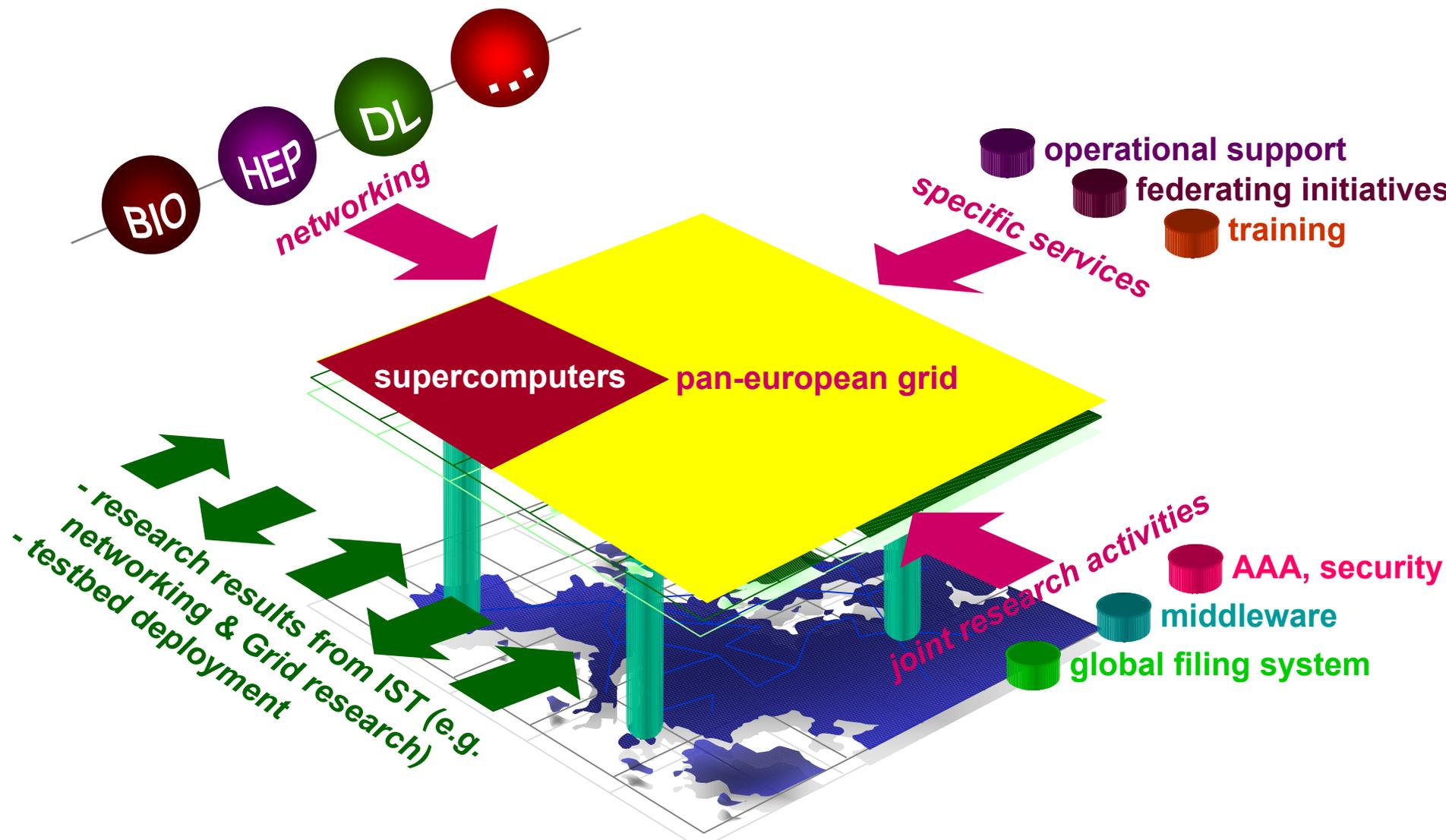
To increase the impact of research e-Infrastructures:

- ⇒ Global Research Networking (May 2002)
- ⇒ IPv6 - IST 200X demos + multiple conferences
- ⇒ IPv6 Global service launch (January 2004)
- ⇒ Grids Conferences/events/village
- ⇒ ...

Liaison to de facto Standards bodies

Liaison with industry/operators

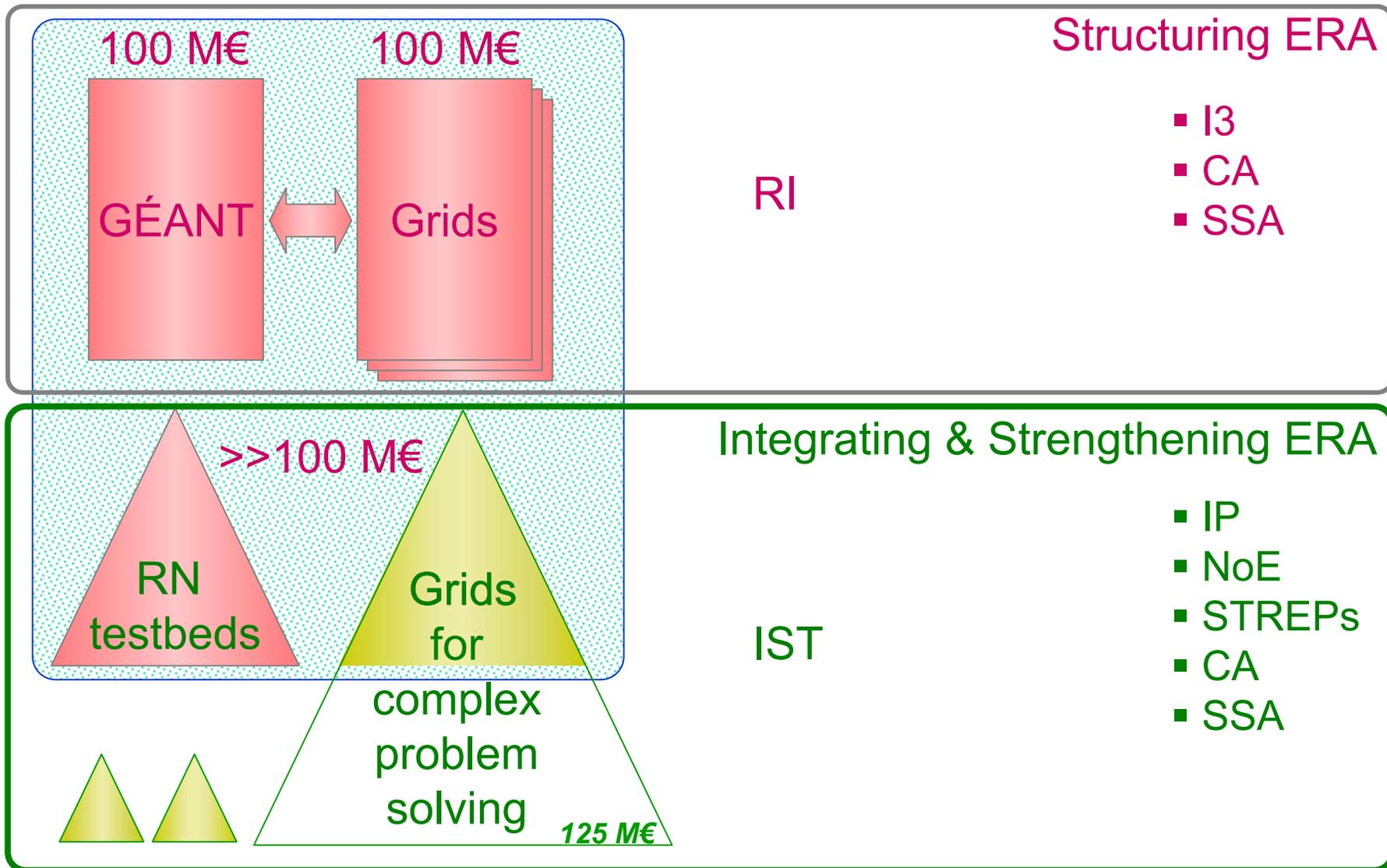
■ e-Infrastructure - initial prospects (2004)



(international dimension to be taken from the start - cyberinfrastructure/Teragrid)



■ e-Infrastructure - implementing the vision



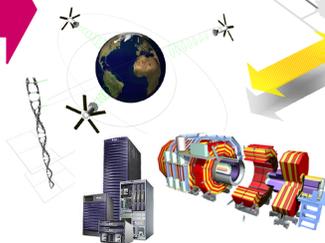
■ Conclusion

- ➔ The creation of **virtual research organisation** is key to rationalise investments in e-Science.
- ➔ GÉANT and Grids infrastructures are expected to deploy the largest international **e-Infrastructure** for **all Research Communities**, thus contributing to the fast deployment of the **European Research Area!**
- ➔ The role of **testbeds** is crucial to achieve **innovation**, address **multi disciplinary challenges** and increase **industrial take-up**.
- ➔ Research Infrastructure require more than technology... require a new **culture** and new **policies!** **IPv6 Task Force** and **e-Infrastructures Reflexion Group** are two important actions in this context. Network security may be the next topic...

Further info on Research Infrastructures



Monthly Newsletter



Workshops



Web page
www.cordis.lu/ist/rn/



Two brochures in 2003





Thanks for your attention!

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