

The EU-IndiaGrid2 Project



Marco Verlato

www.euindiagrid.eu



euindiagrid EU-IndiaGrid2 Consortium

EUROPE



INFN - The Italian National Institute of Nuclear Physics
(project coordinator)



TRUST-IT



Italian Academic and Research Network (GARR)



Cambridge University



CEA - Commissariat à l'Énergie Atomique - France

INTERNATIONAL



Abdus Salam International Centre for Theoretical Physics



INDIA

Bhabha Atomic Research Centre, Mumbai



Centre for Development of Advanced Computing (C-DAC)



Indian Education and Research Network (ERNET)



Indian Institute of Science



Indian Institute of Technology



University of Pune



SAHA Institute of Nuclear Physics



TATA Institute for Fundamental Research, and National Centre for Biological Sciences



Variable Energy Cyclotron Centre (VECC)

www.euindiagrid.eu



a bridge between EGEE and other European e-Infrastructures and Indian ones

- **Basis,**

- capitalise on EU-IndiaGrid Project achievements & huge infrastructural developments in India

- leverages the expertise obtained by partners during EU-IndiaGrid.

Full Involvement of project partners in Indian main e-Infrastructures Development

- Establishment of an Internationally Recognised Indian Grid Certification Authority: Worldwide grids access
 - **established by CDAC**
- GARUDA NGI entered foundation phase
 - Closer cooperation on interoperability and use of glite middleware
- Creation of a multi-gigabit research network: National Knowledge Network Plan
- Improvement of international connectivity:
 - GÉANT –ERNET link upgraded from 45 to 100 Mbit/s
 - Dedicated link TIFR-CERN at 1 Gbit/s for LHC - **now peered to GEANT**
 - **Decisive role of BARC, ERNET, TIFR with GARR & INFN**
 - Involvement of India in TEIN3 –

EU-IndiaGrid2 main objectives

- **consolidate & enhance cooperation between European and Indian e-Infrastructures for the benefit of EU-Indian collaboration in e-Science**
- **Support specific user communities in the exploitation of grid infrastructure in areas strategic for EU-Indian collaboration**

www.euindiagrid.eu



EU-IndiaGrid2 main objectives

- ensure a sustainable approach to e-Infrastructures across Europe and India through dissemination actions, meetings & workshops
- foster and enhance cooperation with other European Initiatives in the Asian region and worldwide

EU-IndiaGrid2 - Sustainable e-infrastructures across Europe and India

EU-IndiaGrid played a bridging role across European and Indian e-Infrastructures

&

Thanks to the leading role in the e-Infrastructures development by EU-IndiaGrid Indian partners, the project had the opportunity to play an active role at the core of the impressive evolution of Indian e-Infrastructures in the last two years.

Now EU-IndiaGrid2 has the opportunity to achieve further significant progress

Thank You