

Proposal full title: Sustainable e-Infrastructures across Europe and India

Proposal acronym: EU-IndiaGrid2

Type of funding scheme: Support action (SA)

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List of participants:

Participant no. *	Participant organisation name	Part. short name	Country
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3	COMMISSARIAT ENERGIE ATOMIQUE CEA	CEA	France
4	CONSORTIUM GARR	GARR	Italy
5	TRUST-IT SERVICES LTD	TRUST-IT	United Kingdom
6	THE ABDUS SALAM INTERNATIONAL CENTRE FOR THEORETICAL PHYSICS	ICTP	Italy
7	BHABHA ATOMIC RESEARCH CENTRE	BARC	India
8	CENTRE FOR DEVELOPMENT FOR ADVANCED COMPUTING	CDAC	India
9	ERNET INDIA	ERNET	India
10	INDIAN INSTITUTE OF SCIENCE	IISc	India
11	INDIAN INSTITUTE OF TECHNOLOGY DELHI	IIT	India
12	DEPARTMENT OF PHYSICS AND CENTRE FOR SIMULATION AND MODELING UNIVERSITY OF PUNE	PUNE	India
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14	TATA INSTITUTE FOR FUNDAMENTAL RESEARCH	TIFR	India
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## Proposal abstract

EU-IndiaGrid2 capitalises on the achievements of the FP6 EU-IndiaGrid project and huge infrastructural developments in India and leverages the expertise obtained by partners during EU-IndiaGrid. It will further the continuous e-Infrastructure evolution in Europe and India, to ensure sustainable scientific, educational and technological collaboration across the two regions.

EU-IndiaGrid2 main objectives are to:

- O1) **consolidate & enhance cooperation between European and Indian e-Infrastructures for the benefit of EU-Indian collaboration in e-Science** EU-IndiaGrid2 will make full use of the EU-IndiaGrid project achievements and of the strong cooperation links established with the foremost European and Indian e-Infrastructure initiatives paving the way for successful sustainable cooperation across European and Indian e-Infrastructures.
- O2) **Support specific user communities in the exploitation of grid infrastructure in areas strategic for EU-Indian collaboration** EU-IndiaGrid2 will support a set of applications in the domain of Climate Change, High energy Physics, Biology, Material Science which are considered strategic for EU-Indian collaboration in the ICT domain.
- O3) **ensure a sustainable approach to e-Infrastructures across Europe and India through dissemination actions, meetings & workshops** EU-IndiaGrid2 will continue supporting the Roadmap for Sustainability outlined by the EU-IndiaGrid project relying on the progress towards objectives O1 and O2 and on targeted dissemination actions, meetings and events
- O4) **foster and enhance cooperation with other European Initiatives in the Asian region and worldwide** EU-IndiaGrid2 will continue the strong cooperation links established by EU-IndiaGrid with the most relevant projects and institutions e.g. EGEE/EGI, GEANT and the major Indian e-Infrastructure Initiatives as GARUDA NGI and NKN. It will also cooperate with regional projects like EELA2, EuAsiaGrid, SEEGRIDSCI and, if approved the EUMEDSupport and EUChinaGrid2 projects.

