

Euro-India ICT Co-operation

July 2009 | www.euroindia-ict.org

Working together to encourage and increase Euro-Indian collaboration

The EuroIndia project creates and nurtures synergies with ongoing related EC funded projects in order to achieve a larger thematic footprint and maximise the visibility and impact of Euro-Indian Collaboration within Europe, in India and in a global context.

This special edition of the EuroIndia ICT Co-operation news is dedicated to highlighting activities of four projects that are working in different areas to increase and promote Euro-Indian collaboration:

6CHOICE aims to impact on Euro-India collaboration in IPv6, BELIEFI focuses on the joint collaboration between European and Indian infrastructures for the benefit of scientific communities while EUINEC aims to improve the Science and Technology (S&T) cooperation between India and the European Union and ENGINEUS looks at Global Innovation Networks on a global level with a particular focus on India.

Dates for your Diaries

EuroIndia FP7 ICT Call 5 Information Days - 25th August 2009 – IIT-Madras, Chennai & 26th August 2009 – Hyderabad

The European Commission is launching the 5th Information & Communication Technologies Call (ICT Call 5) under the Seventh Framework Programme (FP7) on 31 July 2009 with a deadline for submission of proposals on 3rd November 2009. Indian organisations can and are encouraged to participate with European organisations to form top-class consortia to present winning bids in the call.

The Information Days will give participants a comprehensive understanding of the FP7 (2007 - 2013) ICT Work programme, covering ICT domains, the international co-operation objectives, instruments and funds to engage in research projects alongside European partner illustrating what funding opportunities for collaborative research projects are available in 2009 & 2010 and how Indian organisations can get involved. Participation is free of charge but subject to pre-registration on-line at <http://www.euroindia-ict.org/index.php?page=registration->

<http://www.euroindia-ict.org/index.php?page=registration-3> Chennai & <http://www.euroindia-ict.org/index.php?page=registration-3> Hyderabad

eIndia2009 – EuroIndia Knowledge Mapping Session - 27th August 2009 – Hyderabad

EuroIndia-ICT is a proud supporting partner of India's Largest ICT Event, eIndia2009, being held in Hyderabad, India, 25-27 August 2009. Euro-India ICT Co-operation, in partnership with CSDMS, is organising a workshop on 27th August 2009 with the aim to achieve the following specific goals:

- enhance knowledge of innovation management in India
- create opportunities for innovative collaboration in India
- increase visibility of innovative ICT business models
- solicit views on innovation clusters, domains and technologies

The workshop will share findings from the Euro-India innovation mapping project. For session agenda see <http://www.euroindia-ict.org/index.php?page=eindia2009>

"eIndia event has emerged as the leading ICT event in India which focuses on use of ICT for improving the quality of life of the citizen in the country. With its focus on e-Governance, digital LEARNING, ehealth and e-Agriculture eIndia will showcase the exciting breakthroughs being done in India which directly impact the lives of millions of common people. Thought leaders from the government, academia, private sector and civil society are getting together on a unique platform of eIndia to discuss the opportunities and challenges in bridging the digital divide through innovations for India."

**Ravi Gupta,
Executive Director,
CSDMS &
eIndia2009
convenor**



EuroIndia 2nd International Event – 10th & 11th December 2009 & Call for Abstracts Published

The EuroIndia ICT Co-operation Event, supported by the European Commission and hosted by IMI, India is taking place 10-11 December 2009 at IMI, New Delhi, India. Registration opens on 14th August 2009 and the Call for Papers is published. See full details at - <http://www.euroindia-ict.org/index.php?page=euroindia-ict-co-operation-event-10-11-december-2009---new-delhi-india>

EUROINDIA achievements to date

During the first 18 months EuroIndia has achieved the following milestones:

- Development of a knowledge mapping study methodology and identification of recent ICT innovations in India
- Formation of Regional teams of experts to conduct surveys and company follow-ups
- Four technology brainstorming workshops
- Three Information Days
- Euro-India ICT Co-operation Gateway networking sessions at ICT2008, Lyon, November 2008
- First annual conference took place in New Delhi, 22 - 23 January 2009.

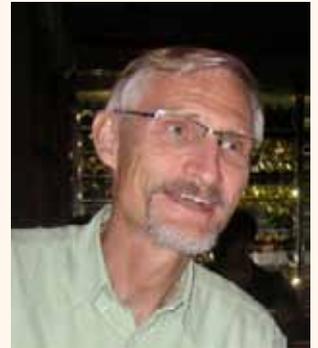
Future milestones:

- Two technology brainstorming workshops - 25th August 2009, Chennai & 27th August 2009, Hyderabad
- Three information days - 25th August 2009, Chennai, 26th August 2009, Hyderabad and 11th December 2009, New Delhi
- One final EuroIndia Conference, 10th & 11th December 2009, New Delhi
- Indian ICT Innovation Knowledge Mapping Report - Executive Summary & Detailed Findings

For details on all past and future EuroIndia achievements see <http://www.euroindia-ict.org/index.php?page=achievements>

“Developers of ICT need to flag their innovative activities in ways relevant to their customers. There is less need for flagging “fixes” - however brilliant they may be - and definitely a need to flag new attractive applications, architectures and facilities for business operations, monitoring and control. The innovative sources of ICT are far from depleted. Looking for potential customers to ICT innovation should include other ICT developers wanting to collaborate with you to take your innovation further into (more) domains and business lines. At the International Event we want to present an up-to-day picture of Indian ICT innovations and drill into how some of these achievements came about. Role models and learning lessons will be mixed with new challenging research into the Indian landscape of ICT.”

**Prof. Mogens Kuehn Pedersen, Coordinator Euro-India ICT Cooperation Project, Department of Informatics
Copenhagen Business School**



EuroIndia has a highly committed consortium, led by the Copenhagen Business School, Department of Informatics with EU and Indian organisations offering complementary expertise in Euro-Indian RTD & co-operation: ERCIM (European Research Consortium for Informatics & Mathematics, FR), Infra Technologies (FR), Trust-IT Services Ltd (UK), the Federation of Indian Chambers of Commerce & Industry, and the Indian Institute of Technology Bombay.



6CHOICE: EURO-INDIA cooperation to promote IPv6

Internet has reached its limit with most of the address space of IPv4 protocol distributed across the world and further growth is being hampered because of this constraint. The Internet stakeholders realized this pending depletion of IPv4 based Internet growth and have developed new protocol IPv6 with much larger address space and additional features of easier management, quality of service, security and privacy. India, the country best known for its IT skills and as an emerging economy needs the new Internet infrastructure ahead of other developed countries. European Union is also promoting the deployment of IPv6 in Europe and has realized the interest of international importance of IPv6 deployment for Internet based economy and has funded a project to promote IPv6 technology deployment through awareness creation, training and network and services deployment across two continents through 6CHOICE project. The project has the consortium of 4 European and 4 Indian partners representing different actors of Internet. The European partners are: Telscom (Switzerland), RENATER (France), University College of London (UK) and Telefonica (Spain) and from India: ERNET, SIFY technologies, HP and Indian Institute of Science. The details of the project and number of IPv6 resources including the tutorial on IPv6 can be seen at the project website: www.6choice.eu, which is IPv4/IPv6 compatible.

The project started in Mar. 2008 and has been successful in organizing number of workshops, training events and conferences so as to develop awareness and skills among the stakeholders for IPv6 promotion. The Indian academic network ERNET has been upgraded with IPv6 to support both IPv4 and IPv6 in the core network, with all of 14 PoPs having dual IP stacks enabled. The European research and Education network GEANT, the largest of that kind in the world is supporting IPv6 over number of years. In the framework of 6CHOICE, the two networks have been natively connected with IPv6 and number of experiments has



been conducted across different research organizations during the last one year.

SIFY technologies, partner of 6CHOICE and a national ISP in India has launched commercial IPv6 services, the first in India. Other major ISPs have also been allocated with IPv6 address space and it is expected with the promotion activities undertaken by 6CHOICE and APNIC will encourage these ISPs also announcing IPv6 commercial services soon. NIXI, the national internet exchange is also expected to provide the IPv6 peering across registered ISPs to promote early take-up of IPv6 services.

The IPv6 testbed has been deployed at Indian Institute of Science, so that the training events can be held for hands-on experience for the participants.

There are number of IPv6 applications to show the features of IPv6 technology: Home environment with remote control of home appliances can be seen from the project website, and number of applications such as streaming services, real time monitoring and multi-media conferencing have been implemented and demonstrated during several events. The details can be obtained from the project website, and number of IPv6 resources can be downloaded.

The project organized several workshops, and conferences targeting different audiences to create awareness among the stakeholders, which were very successful. Some important events to mention are ICT2008 event in Lyon (France), Distance learning and national knowledge network symposium held in Delhi and Internet Governance Forum 2008 held in Hyderabad, which had 6CHOICE organized IPv6 exhibits and events.

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BELIEF-II

What is the project about and what are its goals?

BELIEF-II, building on the success and achievements of its first phase (2005-2007), has the strategic aim of coordinating efficient and effective communication of results, networking and knowledge flow between e-Infrastructure projects and their users, promoting their development and exploitation worldwide. The project aims to offer a better understanding of what e-Infrastructures are and what are the benefits of adopting this new tools globally. Its major objectives are:

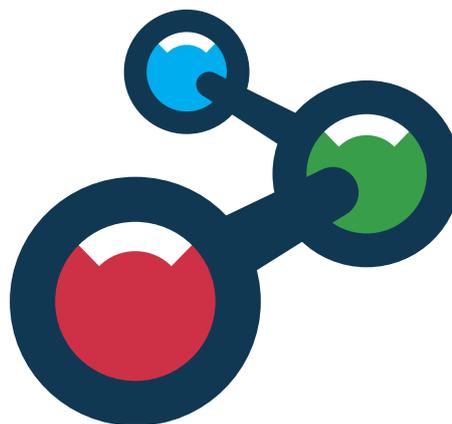
- Help Europe's e-Infrastructure projects evolving in synergies with one another together with national initiatives in order to ensure common directions and efficient interaction.
- Reinforce the relevance of Europe's e-Infrastructures worldwide, helping sustain their successful development and exploitation globally with a specific focus on India, Brazil and South Africa.
- Provide a communication platform that is at the same time a channel for projects to manage their content, to communicate activities to users and the public and to be a unique access point for users to familiarise themselves with e-Infrastructures.

Who is involved?

- Metaware SpA – Italy (Coordinator)
- Istituto di Scienza e Tecnologie dell'Informazione (ISTI) - Italian National Research Council (CNR) - Italy
- National and Kapodistrian University of Athens (NKUA) – Greece
- Brunel University (UBRUN) - United Kingdom
- Education & Research Network (ERNET) - India
- Meraka Institute (CSIR) - South Africa
- Escola Politécnica of the Universidade de São Paulo (FUSP) - Brazil

Who are the direct targets / users of the project activity / results

The main audience/ targets of the BELIEF project are policy and decision makers together with researchers, business and e-Infrastructures user communities. In the Brainstorming events, organised post eConcertation, the consortium will tackle key issues that were raised during the eConcertation meetings and see how a solution can be found and applied to a particular application area. Thus the brainstorming events will focus more on users communities. Finally in the 3 International Symposia, respectively in New Delhi - India, São Paulo - Brazil and the last one in Johannesburg - South Africa, the project will focus on 'international dissemination' which will serve to reinforce the relevance of Europe's e-Infrastructures worldwide.



These international symposia offer a platform where participants with various backgrounds and from diverse disciplines and regions exchange information and ideas on the adoption of e-Infrastructures. Overall, the events will ensure that users worldwide see they are part of a global virtual research community enabled by Europe's e-Infrastructures.

What is the expected impact for Europe & for India

The major impact was achieved thanks to the successful delivery of the first international symposium. This event was jointly organised by the BELIEF II and 6CHOICE projects, with the support of the GLOBAL consortium, in New Delhi, India on the 28th-29th January 2009. The outcome of this event was a Position Paper, which was sent to all the Indian policy makers who attended the event and is available at <http://www.beliefproject.org/events/belief-indian-symposium>

Contact Details

For further information about BELIEF - www.beliefproject.org and/or contact the Project Coordinator: Stephen Benians – Metaware SpA - coordinator@beliefproject.org. For general information - info@beliefproject.org - Phone: +39 050 3871400 - Fax: +39 050 3871401



EUINEC.

European Union and India Enhanced Cooperation Framework for Improved Bilateral Dialogue in the Field of Science and Technology

Objectives

The EUINEC project, a BILAT project financed via the Seventh Framework Programme, aims to improve the Science and Technology (S&T) cooperation between India and the European Union (EU) by increasing awareness among Indian and European stakeholders about research priorities and cooperation opportunities between the two regions. The EU-India Research Co-op will be established by EUINEC to provide practical information to stakeholders. The Co-op strategy is based on a multifunctional portal, a single information point, allowing for the exchange of information and partner search as well as capacity building with an e-training package on FP7 with focus on India. The cooperation strategy also includes the organization of Info days and other events for the promotion of EU India scientific cooperation. Check the updated schedule at www.euinec.org.

Consortium

EUINEC is being implemented by a consortium composed of four partners; Europa Media (Coordinator, Hungary), CDAC (India), APRE (Italy) and CSIR (India).

Target groups

Anyone interested in EU-India scientific co-operation may benefit from EUINEC services and no previous experience of European Framework Programmes is needed. The main target groups are:



- Universities and institutions
- Researchers and scientists
- SMEs and spin-offs
- Organisations, NGOs and networks

Expected impact

EUINEC aims at improving the S&T cooperation between EU and India by increasing awareness among Indian and European stakeholders about cooperation opportunities and empowering stakeholders to successfully initiate cooperation between India and European organisations. By creating a favorable environment for interaction and networking between Indian and EU stakeholders, the expectation is that the project will further contribute to and enhance collaboration, supporting the development and implementation of more projects.

Are you involved in a similar project? Are you working to bolster the scientific and technological relationship between EU and Indian partners? If so, let's find a way to support each other and increase the impact of our efforts!

Contact

Coordinator: Europa Media - Web site: www.euinec.org - Email: coordinator@euinec.org - Phone: +36 1 453 3801



INGINEUS

“Impact of Networks, Globalisation, and their Interaction with EU Strategies”

What is the project about and what are its goals?

INGINEUS is a research project sponsored by the European Commission 7th Framework Programme (Specific Programme Cooperation, Socio Economic Sciences and the Humanities). Under the coordination of Fondazione Eni Enrico Mattei (FEEM), INGINEUS reflects upon the most relevant dynamics of Global Innovation Networks (GINs). The project analyses the policy related institutional aspects that affect the features and development of GINs between Europe and some of the most important emerging economies in the world (notably Brazil, China, India, and South Africa). It investigates their threats and opportunities in view of the international dimension of the Lisbon strategy, to further discuss their implications for the next 10-15 years. INGINEUS started in January 2009 and it will close in December 2011.

Who is involved?

INGINEUS involves economists, economic geographers, political scientists, education specialists, management experts and sociologists from 14 universities and research institutions displaced in 4 continents. Amongst the participants, 8 are set in Europe (Italy, Denmark, Germany, Estonia, Sweden, Norway and United Kingdom), 2 in India, 1 in China, 1 in Brazil and 2 in South Africa.

Who are the direct targets / users of the project activity / results

The research project is targeted to investigate the evolution of Global Production Networks (GPNs) to Global Innovation Networks (GINs). For this purpose it analyses the roles and strategies of enterprises, university research centres, governments, and formal and informal institutions in a cross-country and intersectoral way.

The main targets are: (i) industries (e.g. agro-processing, automotive and ICT); (ii) science infrastructures, institutions and organisations. The research project turns to EU, its member states, and its partners' countries. It detects



challenges and opportunities from the globalisation of knowledge intensive activities; how to attract knowledge and to stimulate creation of GINs; how to improve institutional frameworks to better anchor and integrate these activities to their innovation and production systems.

What is the expected impact for Europe & for India

INGINEUS aims to address the impact of globalisation and the effect of the rapid growth of some of the largest emerging economies, including India, on the competitiveness and strategies of EU firms, industries and regions. It does so by contributing to an in-depth understanding of how the expansion – geographic and otherwise – of the knowledge economy affects competitiveness, growth, and development. It gears to elaborate policy options to inform strategic thinking about how best to steer this process in a globally beneficial way. The formation of GINs does carry threats and opportunities between the EU and its partners. Concerns might emerge over brain drain, de-skilling, job losses, and so forth, while opportunities arise from competence building in host countries. A thorough understanding of the impact of the off-shoring of R&D and innovation activities both North-South and South-North is hence required.

More info contact details & web site & logo

Project coordinator: Dr. Alireza Naghavi, alireza.naghavi@feem.it - Website: www.ingineus.eu - Contact: info@ingineus.eu

*For further information on Euro-India projects and initiatives see
<http://www.euroindia-ict.org/index.php?page=synergies>*