



Consorzio Pisa Ricerche Scarl  
Pisa - ITALY

# CPR – Members

CPR is a non-profit organisation with both public entities and private companies among its members:

## Public bodies

- National Council of Research
- ENEA
- National Institute of Nuclear Physics
- University of Pisa
- Scuola Normale Superiore
- Sant'Anna School of Advanced Studies
- Regione Toscana
- Provincia di Pisa
- Comune di San Giuliano Terme
- Comune di Pisa

## Private companies

- Avio S.p.A.
- Finmeccanica S.p.A.
- Kayser Italia S.r.l.
- Piaggio & C. S.p.A.
- Sogei S.p.A.

# CPR - Mission

Consorzio Pisa Ricerche (CPR) was set up in 1987 with the main aim of promoting and co-ordinating the transfer of innovative technology and expertise from the university and research environment to industry

# CPR - Divisions

- Research Support Division
- Information Technology & Telecommunications Division
- Energy and Environment Division
- Space and Aeronautics Division
- Microelectronic Applications Division

**The Research Support Division** hosts and coordinates one of the seven Innovation Relay Centres (IRC) in Italy for Tuscany and Umbria Region, RECITAL (Relay Centre for Central Italy). IRCs have been established by the EC to promote Transnational Technology Transfers  
<http://irc.cordis.lu/>

**Information Technology & Telecommunications Division** hosts the National Contact Point (NCP) for the IST Programme (Framework Programme VI of the EC).

**Energy and Environment Division** supports the innovation technologies and their applications in the fields of energy, industrial chemistry and environment through close collaboration with public and private research centres. Keeping a good balance between academia and industry, its aim is to translate the academic results into the industrial reality.

**Space and Aeronautics Division** Since 1989 the division gained a leadership position at national level in the field of the space propulsion and is one of the most important space research centre in Europe. During its activity the division has established collaboration with lot of foreign and national institutes. Among them: Stanford university, Moscow Aviation Institute, Princeton University, Italian Space Agency, European Space Agency.

**Microelectronic Applications Division** The division was set up in 1993 from the TEAM centre, made of various academic institutes, public administrations and industries. The main aim of the division is to coordinate the activity of public and private research centres, to develop and to promote advanced microelectronic technologies.

# CPR -Information Technology & Telecommunications Division (DITel)

Established in 1995 around 60 collaborators pioneer the collaboration between research institutions and industry on converging technologies and develops innovative solutions for various ICT sectors:

- Computer-based trust and security
- Multimedia Networking, QoS management and MPEG streaming
- High-Speed Communication and Network Protocol
- Software Engineering and Semantic Web
- Digital Right Management
- eGovernment infrastructures and services
- IT Applications to Health Care and Cultural Heritage
- Project Management & Training

## Communication & International Cooperation (CINC)

The CINC is an operative section of the DITel formed by a high qualified multinational team.

The CINC operative section focuses particularly on projects whose aim is to provide support to research, taking advantage of a well-balanced mix of **communication, promotion&dissemination experience, business developments, networkink skills** and **IT expertise**.

## The main activities of the CINC:

- Design and deliver **networking platforms** for the ICT industry
- **Exploit opportunities** among user/provider communities from industry, research and academia
- **Develop communication packages** in Europe & Developing Countries, support **promotion** and **dissemination**, perform **marketing studies**.
- **Events** organisation and management
- Design & execute **training programmes** & raise awareness on **promoting RTD achievements** internationally
- Support the creation of **new IT alliances between Europe & Developing countries** (India, Russia, Latin America and South-East Asia)
- Delivery of focused **newsletters, press releases, press kits** and **organised road shows**
- **Community building**: development of dynamic, open source project portals including member showcase services and interactive facilities
- **Project Management**

## Information Technology & Telecommunications Division Projects Portfolio

- HERMES
- NADIA
- WEIRD
- ESTRELLA
- MERCATOR
- MUSEE OUVERT MEDITERRANÉEN

### CINC Projects Portfolio:

- Idealist7fp
- IST-EC2
- RECIIST
- NEST PROMISE

# HERMES

The project objectives are to design, develop and test an integrated IT platform for the management of distance learning activities and the optimization and automation of helpdesk procedures.

From a technical point of view, the challenging aspects of the project include:

- Define solutions allowing the adoption of innovative IT technologies in industrial contexts having great complexity and limited IT competencies
- Integrate traditionally disjoint software systems like CRM, document management, learning systems and communication systems, in order to allow the creation of innovative services and improve the industrial processes
- Embrace open architectures and protocols, as well as Open Source software, in order to define a modular platform and to avoid binding the users to a specific solution.

CPR worked together with the Dept. of Information Engineering of the University of Pisa for the analysis of standard architectures and protocols related to communications. Subsequently, CPR was in charge of the architectural design, prototyping and implementation of the enhanced CRM and distance learning platforms.

# WEIRD

[www.ist-weird.eu](http://www.ist-weird.eu)

WEIRD is a 24 month (start date July 1st, 2006) **Integrated Project** aims at implementing research testbeds using the WiMAX technology in order to allow isolated or impervious areas to get connection to the GEANT2 research network. The WEIRD project consortium is made up of: prestigious key players - in the world of wireless communications and next generation networking -, scientific demanding user communities - that will drive and test the WEIRD system -, and sponsoring European national research networks – that will give connectivity, support and will exploit project results.

The WEIRD project will implement and validate a research test-bed with the most advanced control and convergent layer entities as they are in the state of the art and will enhance them by integrating an improved version of the WiMAX technology.

# Idealist7fp

[www.ideal-ist.net](http://www.ideal-ist.net)

- **Start date:** October 1<sup>st</sup>, 2006
- **End date:** September 30<sup>th</sup>, 2008
- **Consortium:** 51 partners from 50 countries
- **Objectives of the project:** Promote the IST Programme of the European Commission (EC) by attracting and sustaining R&D communities, reviewing, approving and publishing partner search requests on the website and launching them through the network of the 51 partners involved in Idealist7fp (mainly NCPs).
- **Results of the project:** Increase the quality of call specific partner searches launched that match the strategic objectives of the open calls in the IST programme and other IST related EC Programmes and expression of interests in FP7 to support the community service of the EC and contribute in increasing the quality of the proposals submitted to the EC. The Ideal-ist service will have a "world-wide" application, every country will be able to submit a PS.
- **CPR's role & tasks:** Italian partner of the Idealist Project, supports the Italian R&D Community interested in participating in the IST programme, and other IST related EC programmes reviews, approves, launches Italian PS, participates in brokerage events, EC information days where the Idealist service is promoted, keeps the web site up and running, ensures the technical implementations and improvements of the partner search mechanism.

# IST-EC 2

[www.ist-ec.org](http://www.ist-ec.org)

- **Start date:** April 1<sup>st</sup> , 2005
- **End date:** March 31<sup>st</sup> , 2007
- **Consortium:** 8 European Partners, 4 Canadian Partners
- **Objectives of the project:** Assist Canadian and European organisations in establishing collaborative R&D projects, disseminate information on European and Canadian research activities, improve awareness in Europe and Canada of collaboration opportunities as well as programs and funding mechanisms available, organising thematic workshops and brokerage events in both Canada and Europe and virtual brokerage events via broadband enabled videoconferencing, animate and sustain a virtual on-line community (e.g. Forums).
- **Results of the project:** Attract visitors to register on the web portal and become a community member (database population), sustain and animate forums, real and virtual events which will lead to R&D proposal initialisation and submission under the EC Framework Programme, as well as Canadian funding programmes.
- **CPR's role & tasks:** User needs analysis and identification of required functionalities, content provision, partner search mechanism and methodology to assist the community, design and implementation of the web portal, event planning and set-up, promote Euro-Canadian R&D project submission, assist in the identification of funding opportunities.

# RECIIST

- **Start date:** July 1<sup>st</sup> , 2005
- **End date:** December 31<sup>st</sup> , 2007
- **Consortium:** 3 partners - 2 from Europe, one from Russia (+ 1 subcontractor)
- **Objectives of the project:** Involve researchers of the Russian Academy of Sciences (RAS) and five top Russian Technical Universities (RTU) based chiefly around Moscow and St Petersburg in EU research proposals under the IST Priority by identifying research teams in Russia and Western Europe with potential to collaborate and selecting technical areas to promote collaboration. Presentation of RAS research projects and results at conferences and introduction of RAS researchers to West European researchers at these events. RAS/RTU staff training.
- **Results of the project:** Twenty proposals submitted to the IST Priority including RAS/RTU researchers. Vice directors, research managers, finance managers and European liaison officers of 25 departments of RAS/RTU will have received training in Framework Programme benefits and procedures, so providing a foundation for further joint EU-Russia proposals to the IST Priority.
- **CPR's role & tasks:** Identify gatekeepers associated with IST communities by contacting researchers, identify thematic areas and potential events, promote the participation of 30 Russian researchers in 8 brokerage events, organise events, promotional material and articles, draw up a report on raising public participation and awareness

# NEST PROMISE

[www.nest-promise.net](http://www.nest-promise.net)

- **Start date:** November 2005
- **End date:** November 2007
- **Consortium:** 5 - IL (coordinator), DE, IE, PL, IT
- **Objectives of the project:**
  - \* Help inform & strengthen NEST, to promote high-risk high-innovation multidisciplinary research throughout Europe
  - \* Introduce NEST like elements into national level programmes,
  - \* Provide NEST with practical experiences-validated tools to optimise future policies, strategies & procedures.
- **Results of the project:**
  - \* Form a Pan-European NEST-oriented network
  - \* Survey & map of European HINGE (HIGH INNOVATION GAIN EXPECTATIONS) and NLPs (NEST Like Programmes)
  - \* Deliver 3 NEST PROMISE workshops & 1 final dissemination / brokerage event
  - \* 4 methodological & social impact background papers
- **CPR's role & tasks:**

Leader of the organisation & development of the workshop event in Italy, final dissemination/brokerage event & final focus groups