

# Empowering Romanian Research on Intelligent Information Technologies

Project in FP7-REGPOT-2010-1

Faculty of Automatic Control and Computers

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# ERRIC Project

## Empowering Romanian Research on Intelligent Information Technologies

Project number: **264207, FP7-REGPOT-2010-1**

- *FP7 Capacities Work Programme: Research Potential*
- Funding scheme: **Coordination and support action**
- *Area: 4.1.Unlocking and developing the Research Potential of research entities established in the EU's Convergence Regions and Outermost regions*
- Project duration: **36 months**
- Start date: 1 September 2010

# ERRIC Project

## *Research Potential Objective*

- Stimulating the realisation of the **full research potential** of the enlarged Union by **unlocking and developing existing or emerging excellence** in the EU's convergence regions and outermost regions \*, and helping to strengthen the capacities of their researchers to successfully participate in research activities at Community level.

\* a per capita gross domestic product (GDP) of less than 75 % of the average GDP of the EU-25.

# ERRIC: Aim

- Leverage, support and further develop the existing high quality human and material resources of A&C with the goal of achieving international recognition for the Faculty as an outstanding unit of research excellence in selected areas of **Intelligent Information Technologies**:
  - ▶ **agreement technologies**
  - ▶ **semantic and collaborative technologies for the web**
  - ▶ **advanced grid technologies**
  - ▶ **large scale distributed system services**
  - ▶ **adaptive intelligent control**

# ERRIC: Objectives

## *Strengthen Core Research Excellence*

- Strengthen the research and technological innovation capacities of A&C in the above mentioned areas of IIT
  - ▶ produce more than **60 high quality scientific papers** on IIT
  - ▶ hire **5 experienced researchers** and an **experienced research manager**
  - ▶ develop a new **Laboratory of Ambient Intelligence**
  - ▶ **upgrade the HPC resources** to reach an estimated performance in benchmarking of 2 TFlops.

# ERRIC: Objectives

## *Strengthen Core Research Excellence*

- Reinforce the A&C research potential by supporting and mobilising human resources through **132 trans-national two-way secondments** with **11** partnering organizations from **5 EU** countries
- Establish an ambitious research agenda and the **Roadmap of A&C RTDI**
- Improve A&C's ability to respond to **ICT related socio-economic needs** in Romania and Europe

# ERRIC: Objectives

## *Networking, Community Building and Strategic Partnerships*

- Make A&C an international gateway to access IIT research results through **ERRIC Knowledge E-Environment** and **ERRIC portal**.
- Establish **strategic partnerships** and wide-ranging collaborations between A&C and high excellence research units across the EU.
- Build the capacity of A&C for a better collaboration with **high tech companies** towards **valorisation of high potential research results**.

# ERRIC: Objectives

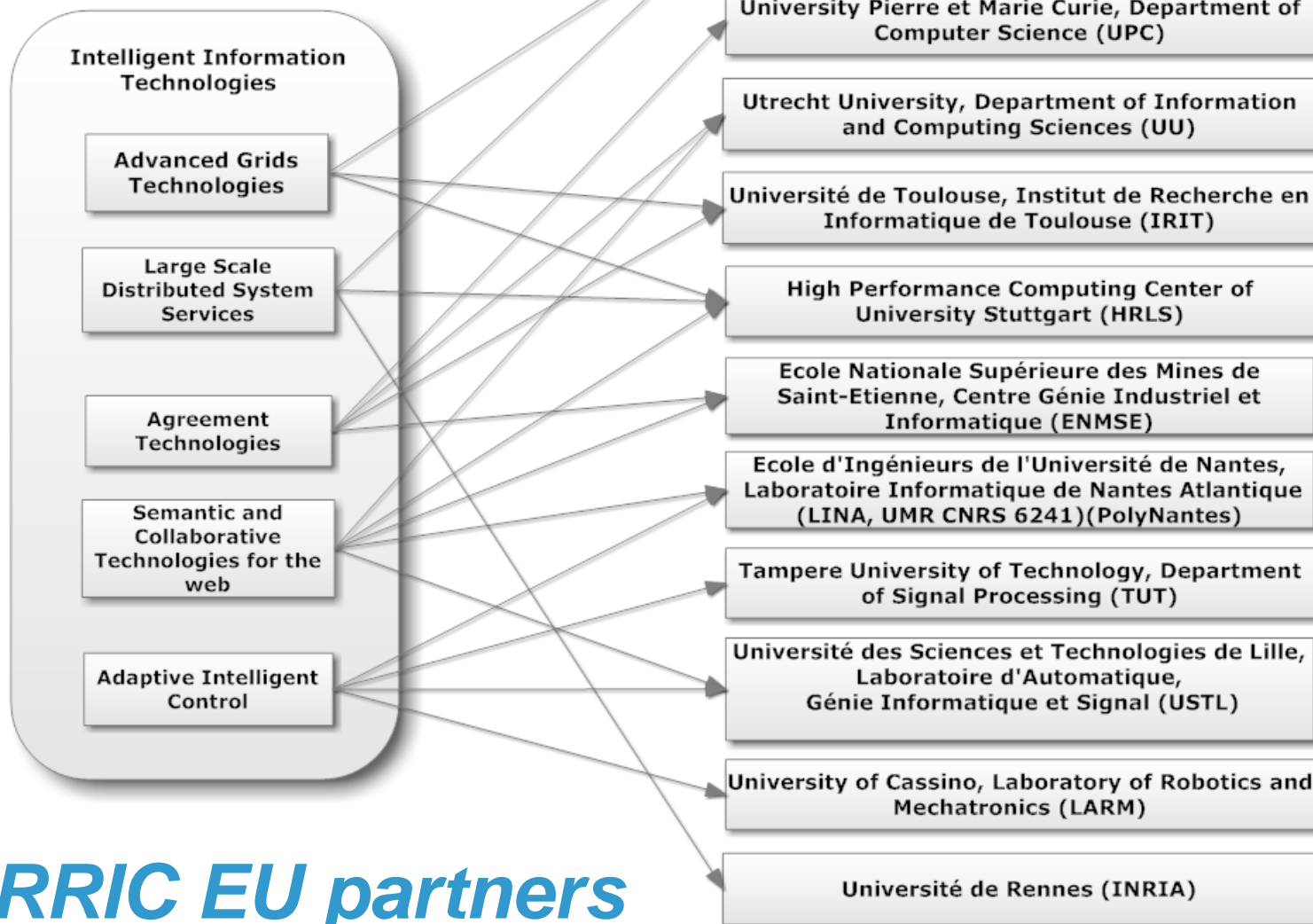
## *Promotion, Visibility and Dissemination*

- Organize **18 quality scientific events** and **4 dissemination events** for knowledge sharing and network building
- **Promote A&C** scientific research excellence and increase its visibility at European level through the **dissemination, promotion and awareness plan and package**.

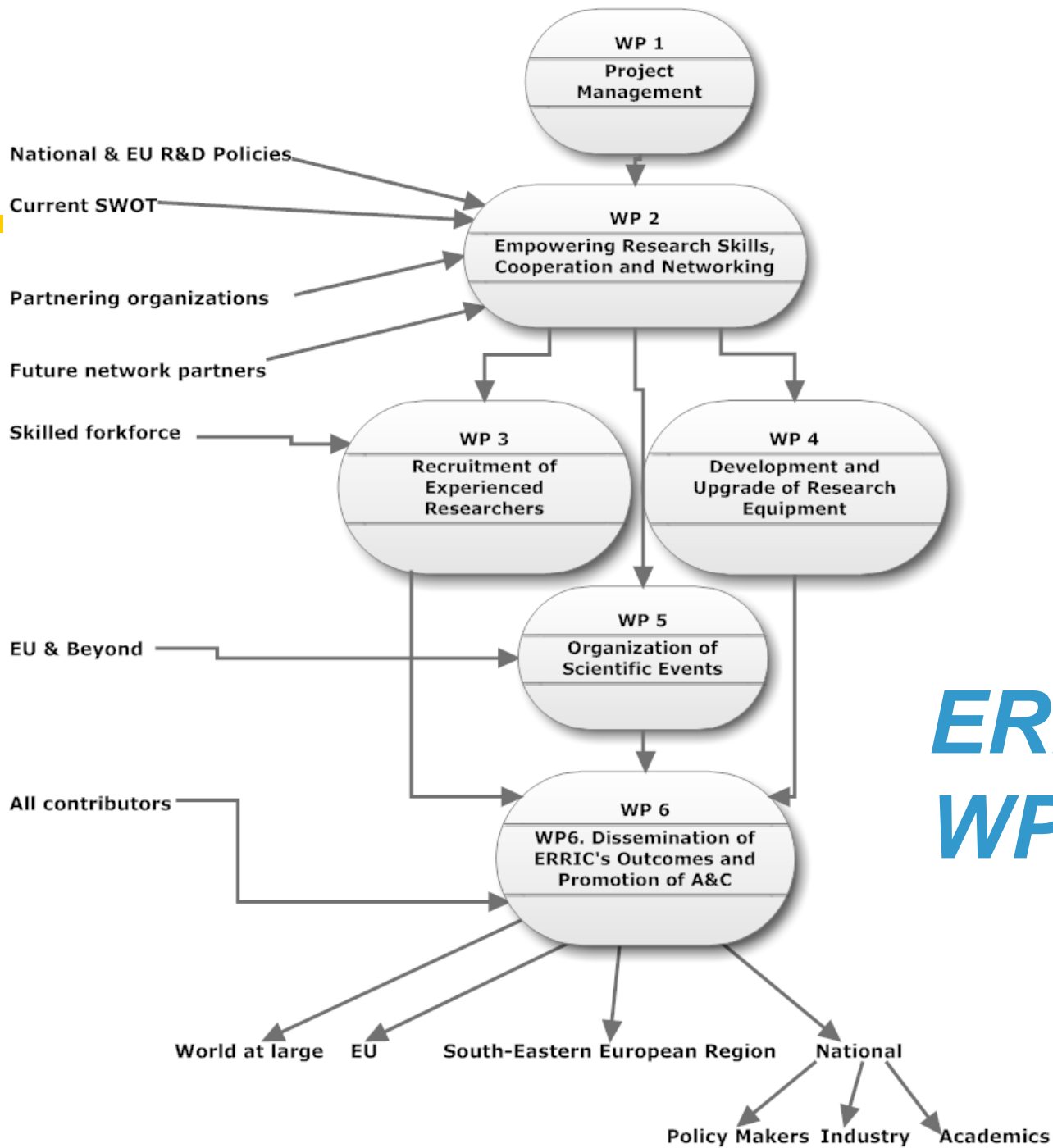


## ERRIC Areas of Research Excellence

## EU Partnering Organisations of ERRIC



# ERRIC EU partners



# *ERRIC* *WPs*

# ERRIC: events

## Scientific events

- **HIPERGRID** – International Workshop on High Performance Grid Middleware (*annual*)
- **DEPSYS** – Workshop on Dependable Distributed Systems (*new, bi-annual from Y2*)
- **GRIFI** International Workshop on Grids for the Future Internet (*new, annual from Y2*)
- **MASTS** – The International Workshop on Multi-Agent Systems Technology and Semantics (*annual*)
- **K-Teams** - Knowledge Construction in Virtual Teams Workshop (*new, bi-annual*)
- **AgTAmI** - International Symposium on Agreement technologies for Aml (*new, annual from Y2*)

# ERRIC events

- Holonic Control and Rapid Deployment Automation in Manufacturing (*new, biannual*)
- Debate on Challenges and Innovation in Intelligent Systems (*new, annual from Y2*)

## Dissemination events

- A&C Alumni Symposium
- A&C Brokering event

# Challenges

- Find the best experienced researchers to be hired
- Ensure high quality and consistent participation to organized scientific events
- Enhance and enlarge networking with R&D entities in Romania and EU
- Build a strong international scientific community in IIT based on ERRIC outcomes and results
- Leverage the existing scientific and technical cooperation with well known companies working in the domain of ICT and advanced control, and achieve innovation and technological transfer