

Ro-NESSI: NESSI related national initiative in Romania

Goals

Short term goals:

- establishing national working groups on different topics defined in NESSI SRA;
- defining a national strategic research agenda for the future evolution of the national R&D and innovation program related to software and services;
- dissemination of the achievements of NESSI strategic projects.

Middle term goals:

- implementing the NESSI concepts at a national level;
- opening new channels for participation in European projects;
- promoting service oriented business models at national level.

Long term goals:

- building a network of Romanian stakeholders in the field of software services;
- building links and joint investment between public research and industry;
- searching for new opportunities and capacity for development of a competitive national service industry.

Expectations

- Open wide channels for cooperation with the ETP NESSI and its members;
- Build a large network of stakeholders from Romania
- Support R&D activities in strong cooperation with SMEs;
- Building links and joint investment between public research and industry;
- Building a knowledge cluster in the area of software services;
- Exchange and dissemination of information related to NESSI;
- Training and competence building;
- Establish working groups on different NESSI topics;
- Defining a national Strategic Research Agenda (SRA) for the future evolution of the national R&D related to software services;
- Implementing the NESSI principles at a national level;
- Coordination of existing research activities in software services
- Support the implementation of the national ICT strategy in the area of software services;
- Develop software service related strategy for Romania;
- Opening new channels for participation in EC projects;
- Exchange R&D results in software and services with other member states;
- Searching for new opportunities for development of a competitive Romanian ICT and service industry;
- Identifying and promoting best practices;
- Promoting new service oriented business models;
- Make the NTP a reference point for end-users.

Past, present and near future

July 2006:

Initiative of PREIMV center of Politehnica University of Bucharest to build a Romanian NTP, NESSI-RO with the involvement of the following 22 partners:

- IBM Romania
- HP Romania
- Oracle Romania
- Bull Romania
- Alcatel Romania
- Total Soft
- Forte Business Services SRL
- Freescale Semiconductors
- S&T Romania
- INTRAROM
- Comsys
- ROMSYS
- Politehnica University of Bucharest
- Technical University of Cluj Napoca
- Politehnica University of Timisoara
- Technical University of Iasi
- University of Craiova
- Technical University of Brasov
- ICI – National Institute for Research and development in Informatics
- ARIES - Romanian Association for Electronic and Software Industry
- ANIS – Patronal association of the soft industry and services
- ATIC – ASociation for IT and communication in Romania

Feb 2007:

NESSI members:

- SIVECO
- West University of Timisoara
- ROMSOFT

April 2010:

- Kick off meeting of Ro-NESSI
- Initiative of SIVECO and West University of Timisoara
- Support from FP7-ICT project SPRERS

June 2010:

- Green paper of Ro-NESSI which will present
 - the position of Romanian research teams relative to the topics of software services as reflected in NESSI documents
 - a range of ideas expressing further research interests of Romanian teams in the field of software services.

September 2010:

Workshop on software services:

- Dissemination of new members states R&D activities in software services
- Dissemination of NESSI strategic projects achievements towards the representatives of the teams from new member states

Connection of NTP with ETP

Ensure the followings:

- increased **visibility** of the Romanian teams working in software services as potential partners in collaborative projects involving NESSI members
- potential **involvement** of Romanian teams in the Working Groups of NESSI defining SRAs with the benefit of promoting their research interests and ideas
- **dissemination** of the NESSI project achievements and open requests for contributions
- faster **assimilation** by the Romanian R&D teams of the standards and open service framework produced by NESSI stakeholders.

Involvement in FP7 projects

□ **FP7-ICT SPRERS:** Strengthening the Participation of Romania at European R&D in Software Services led by West University of Timisoara (2010-2011), www.sprers.eu

□ **FP7-ICT Romulus:** Domain Driven Design and Mashup Oriented Development based on Open Source Java Metaframework for Pragmatic, Reliable and Secure Web Development with the participation of ICI (2008-2009), www.ict-romulus.eu

National R&D strategy

- Adopted in 2007 (PNCDI II)
- Selected topics in ICT:
 - Advanced Computer systems for e-services
 - e-learning
 - e-health
 - e-business
 - e-banking, m-banking, e-auction
 - e-government, e-citizen
 - e-content
 - Communication technologies, systems and infrastructures
 - Flexible and re-configurable integrated applications and services, in multiple packages offered to users in an universal manner, with quality guarantees for varied services
 - Methods and software for service and resources management in complex communication services
 - Artificial intelligence, robotics and advanced autonomous systems
 - Developing systems based on semantics in web space;
 - Achieving semantic interoperability between heterogeneous information and services resources, between different types of content, between natural languages

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