



## Editorial

Welcome to the NESSI 2011 newsletter. We are excited to bring you the latest news on NESSI and how we have designed activities to support our members, while at the same time retaining the strategic role of NESSI as a collaborative channel for the services domain.

We are continuing our roadmap to integrate results of our 2010 membership survey - from networking to online support, check out the opportunities in this newsletter.

This newsletter highlights both the **networking opportunities** through two major events, one in July and the other in October and the **contributions to the future** and the elaboration of the European upcoming 8th Framework Programme, through the updated SRA and the first inventory of NESSI results.

In July 2011, join us at the **NESSI Members Day**, a one-day event held in Spain on the 15th July 2011 and organised entirely to support our members networking and identifying project ideas that can be further developed in the context of Call 8, with the announced publication date of 26 July 2011. Our website provides up-to-date information.

This event is free of charge but pre-registration is highly recommended as we have a limited capacity – the event is co-hosted by the Spanish national platform INES and ITI - the Institute of Computer Technology of the Polytechnic University of Valencia - and takes place during the annual INES General Assembly. Hosted in the lovely city of Valencia, the NESSI Members Day is a great opportunity to start on new proposals or consolidate existing ideas.

We are also announcing the **4th edition of ServiceWave 2011** – co-located with FIA and taking place in Poznan, Poland from 26 October to 28 October. Turn to pages 6-7 to learn more about this edition, which we have organised in 4 main themes ranging from security to cloud computing. With this focused tracks approach, all **our calls are currently open and will close on 16 May** – don't miss

this opportunity to publish your latest scientific results or to present your prototypes in the demonstration evening which this year again will lead to the demonstration contest.

Introduced in our previous newsletter, the **new NESSI Web site** is now up and running. We will use it to support online collaboration in the preparation of the Members Day, a topic on which we will be sending an email to registered members.

NESSI's role as a key pillar of the services community has been further reinforced over the last months, with a clear identification of NESSI as an innovation vector on services towards the Future Internet initiatives – but also as a major source of consolidation through the updated Strategic Research Agenda for the definition of the upcoming FP8.

Check out the latest developments in our newsletter, with the SRA update on page 5. We have also started building a centralised inventory of the results linked to NESSI activities – and we are giving you a glimpse of our first list in this newsletter on pages 2 and 3. This list will expand as more NESSI projects are closing while new ones started in 2010.

Finally, a number of NESSI projects have announcements, on-going calls, check this out across the events and projects pages.

2011 is there, the Future Internet PPP is being launched in an official event held on 3 May, and the ETPs have undergone this transition phase together – with NESSI, NEM and Net!Works (the new name of eMobility) opening a collaboration on how the innovation can be tackled together.

**Be part of this evolution** – and take advantage of the facilities provided by NESSI to ensure that your view is supported and that your future collaborative research projects are identified. We remind you that membership to NESSI is free and open. You will find all details and contacts on the last page of this newsletter.

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### Check out the latest opportunities

- Future Internet PPP Launch on 3rd May 2011
- Call for papers, demonstrations and workshops for ServiceWave 2011 closing on 16th May 2011
- NESSI Members Day on 15 July 2011
- Upcoming Call 8 foreseen on 26 July 2011
- NESSI SRA completing its update
- Permanent channel to collaborate with Latin American partners in the area of services

All these opportunities are detailed in the following pages!

With the first wave of NESSI strategic and compliant projects completed or close to completion and the second wave started in 2010, NESSI has created a new line of action in **creating the inventory of the results**. This first inventory shows important elements:

- NESSI results fall in 9 categories, ranging from education to industrial prototypes, an indication that the coherence across research that NESSI has continuously worked to support has and is leading to a **comprehensive outreach**
- Results range from standards and architectures to prototypes and education, from academic results to technology transfer and uptake, another important dimension of an ETP in creating the **cross-community component**. This is a dimension that we aim to further sustain through the **ServiceWave** annual conference – this year in its 4th edition and taking place in Poznan, Poland.

This inventory is of course work in constant evolution, with the first version available online at [www.nessi-europe.eu](http://www.nessi-europe.eu).

“NESSI 1st inventory of results available online.”

## Education

In the domain of education, a new International Master in Service Engineer: Course material has been developed in S-Cube by 3 top universities: University of Stuttgart,

University of Crete and Tilburg University, while an annual Summer School running since 2008 provides an opportunity to exchange the latest advances on services research. In parallel, results from NESSI research projects have led to the upgrade of courses at the University of Oslo (Institute for Informatics) and The Norwegian University of Science and Technology (Department of Computer and Information Science).

## Standards and standardised approaches

Standards is of course a major domain of relevance to NESSI, and numerous standards that are key to services development and deployment have been identified, and in some cases evolved or adopted within NESSI projects. The complete list can be found at <http://www.nexof-ra.eu/?q=node/529>. NESSI has also contributed to standardising SoaML and CVL in OMG – results that have been created through NESSI partners and members active in different research projects. In the domain of standardised approaches, NESSI has elaborated a comprehensive architectural framework for services support which can be navigated at <http://www.nexof-ra.eu/?q=home>, and three complete sets of patterns for Enterprise SOA (<http://www.nexof-ra.eu/?q=node/526>), Internet of Services (<http://www.nexof-ra.eu/?q=node/651>) and Cloud and Infrastructure as a Service (IaaS) <http://www.nexof-ra.eu/?q=node/652> are available online.

## Academia / industry collaborations

This first inventory also shows the of increased collaboration and technology transfer between academia and industry. In addition to the internships of academics in industry to support the application of research results in cloud services and in test management, technology transfer has been supported by seminars related on the one hand to results developed by the S-Cube network of excellence and on the other hand within the Open Nebula initiative.

## Uptake by the Future Internet domain

One important dimension for NESSI is the visibility of services throughout different domains, and Future Internet is a key application environment. Here again, techniques developed by the S-Cube, Network of Excellence in the domain of service contracting, negotiation and dynamic quality assurance and adaptation have been transferred both to use-case and core projects within the Future Internet 2010 call.

Similarly, results obtained in ensuring trustworthy and secure behaviours in a composite service as well as innovations in the communication technologies for service-based applications have been taken further in the development of Future Internet related applications by industrial partner Thales.

## Open Source Approaches and support

From its foundation, Open Source was one of the approaches supported by NESSI and important results have emerged in this domain. Partners and members in NESSI and NESSI projects have led to the creation of a network of Open Source competence centres, including one in Italy ([www.flossitaly.it](http://www.flossitaly.it)). Another important contribution is CORAS, an open source Model-Driven Risk Analysis consisting of a language, a tool and a method that have been extensively tested within industry (<http://coras.sourceforge.net/contact.html>). This was also part of the 2010 IEEE conference MODELS, hosted by NESSI partner Sintef in Oslo.

## Impact on services development and delivery

A new SME, ActiveEon, spun off from Inria, is exploiting results from NESSI research projects through the ProActive platform designed to support new generation service-oriented environment for agile enterprises and service ecosystems. Other important technology transfers have taken place in industrial partner Thales regarding the compliance and governance framework, as well as the architectural concepts and patterns of the NESSI Open Service Framework developed by NESSI research projects.

## Impact on Platform as a Service (PaaS)

Through the evolution of on-going research, industrial partner FT-Orange expects to create a PaaS built on a European ecosystem. Nokia Siemens Network is using a Telco2web exposure layer integration in the targeted PaaS cloud, as well as mechanisms for controlling the resource management in the IaaS layer driven by PaaS layer requirements.

### Results in cloud computing

A major contribution from NESSI projects have and are being made to the Open Nebula community development for an open, flexible infrastructure as a service cloud solution. In the domain of virtual storage solutions, FT-Orange aims to exploit the innovations coming out of the VISION project to enhance their offering. Thales is enhancing its offering in terms of delivering services as utilities.

### Prototypes for mobile applications

Telefonica has coordinated the delivery of online support provided to allow users to develop their own mobile applications, available at <http://ezweb.tid.es/accounts/login/?next=/>.

### Community building through events

Another important contribution of NESSI are the events created to support community building, which has fostered the creation of the cross-community annual conference on services ServiceWave currently in its 4th edition. This event involves both academia and industry, but also serves as a collaboration event between the different ETPs and National Technology Platforms active in the ICT domain. ServiceWave has evolved from an ETPs organised event to a fully fledged conference, with a steering committee and scientific papers published by Springer Verlag. More information at [www.servicewave.eu](http://www.servicewave.eu).

On a different level, NESSI has also organised annual events focused on its research and members, through General Assemblies and Projects Summit. This year, it is launching the 2011 NESSI Members Day in Valencia with this edition focused on preparing Call 8 proposals.

Are you interested in a specific result?

Check out the online inventory which includes individual contact points for the results

The NESSI inventory is there  
- to support our members  
- to give visibility to their results

If you wish to contribute to the inventory please send us an email at [office@nessi-europe.eu](mailto:office@nessi-europe.eu) and we will contact you!

# NESSI Members Day focuses on Call 8 preparation

NESSI announces a one-day Call 8 preparation day, open to all our members. The NESSI Members Day will take place on the 15th of July 2011 in Valencia, Spain. The NESSI Members Day is co-hosted by INES, the Spanish national platform and by ITI, the Institute of Computer Technology of the Polytechnic University of Valencia and will take place during the INES General Assembly.

The day will start at 10:00 am and close at 17:00 pm, allowing you either to catch the last plane home or to enjoy the sights of the beautiful city of Valencia for the week-end. We are also greatly honoured to announce that the day will be opened by a speech by **Dr. Rainer Zimmermann, Head of Unit at the European Commission for Software & Service Architectures and Infrastructures.**

With the Call 8 expected to open in July 2011, NESSI has taken up this opportunity to update its SRA, a process that started in September 2010 and is further detailed in this newsletter. Call 8, as well as the upcoming new framework programme FP8, constitute great opportunities to create new research proposals and complement NESSI's portfolio of results.

The NESSI Members Day will start with two presentations, one by

put forward topics proposals and share with potential partners.

The goal of the NESSI Members Day is to allow each member to close the day with one or more clearly identified opportunities for submission in the upcoming call 8

## Mark the date!

NESSI Members Day  
15th July 2011  
Valencia, Spain  
Call 8 preparation day

Free of charge  
Pre-registration compulsory  
Registration opens 15/5/2011

A NESSI members only event  
[www.nessi-europe.eu](http://www.nessi-europe.eu)

NESSI Members Days

Dr. Zimmermann presenting in more details the Call 8 perspectives in the domain of software and services, while the second one by a NESSI representative will highlight the SRA elements that have been identified as key. Another important reference that can be useful in the preparation of Call 8 proposals is the inventory of NESSI results, an activity that we started in 2011 to provide a centralised view of the different dimensions of research activities, from standards and architecture to prototypes.

The NESSI Members Day will then be organised around free-format sessions, enabling participants to identify or

## Final stage of the SRA update 2011

We have entered the final stage in updating our Strategic Research Agenda (SRA) and the result will be publicly available at the NESSI website.

There were many driving forces encouraging the update of our SRA. Clearly, the advent of the Future Internet and the start of the preparation of the next European Framework Programme for Research (FP8) are major drivers. Software and services technologies require further research to ensure that the underlying components of Future Internet applications are fully in line with the user needs – for example taking into account the increased deployments in the “cloud” that lead to totally new requirements both at business and technology levels but also additional strains and threats on critical issues such as trust and privacy.

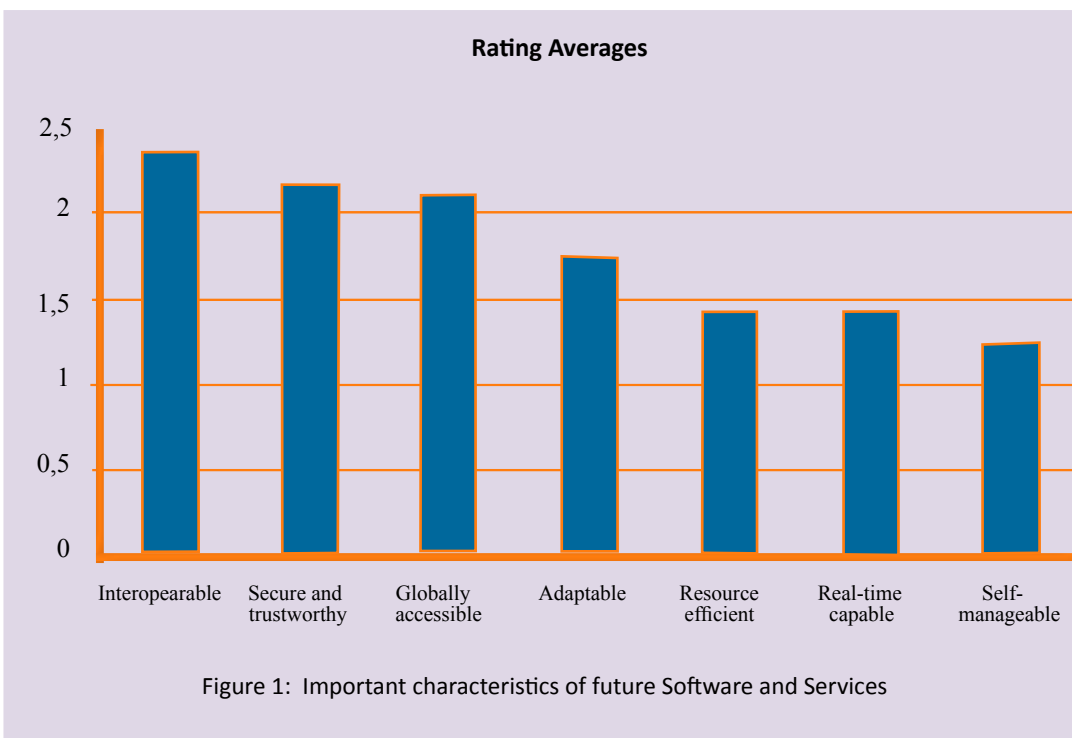
Another key dimension for updating the SRA is the benefits that it brings to our members. The NESSI membership survey conducted early in 2010 has shown that NESSI members consider the SRA as one of the main deliverables of NESSI provi-

the starting point for an online survey providing the opportunity to comment on this vision statement and to provide more detailed input on future trends and research priorities. For example, the survey prioritized the interoperability, security and trust, as well as the global accessibility as the most important characteristics that need to be considered for future services (Figure 1).

This survey was open to all NESSI members until beginning of November 2010. All the results were then presented at a workshop during the ServiceWave2010 conference in Ghent mid December 2010. This workshop provided an additional opportunity to reflect on the interim results of the SRA update and to identify and discuss further research priorities that should be taken into account for the final version of the SRA document.

We have now reached the final stage of the SRA update: all the input has been compiled and consolidated into a draft version. This version is currently under review by the NESSI Steering Committee and will serve as basis for discussions with the European Commission. The final version of the SRA document will be available from the NESSI website as soon as the review comments and the feedback from the European Commission are included.

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ding a consolidated view on future research priorities based on the input given by the NESSI community. Triggered by this survey and the intention to comment on the Digital Agenda for Europe and to provide input for the preparation of FP8, NESSI entered into the process of updating its research agenda.

As a first step, the NESSI vision was reviewed and updated. The result of this activity was presented during the ICT2010 conference in Brussels end of September 2010. The vision document was then made publicly available at the NESSI website. This was

“The NESSI SRA 2011 update is key in channelling the future research directions in software and services to the European FP8 elaboration process.”

# ServiceWave 2010

## 3rd edition took place in Ghent, Belgium!

### Report from the European forum on service oriented computing

Over 200 attendees joined the third edition of ServiceWave which took place in Ghent, Belgium from the 13th to 15th December 2010.

It was co-located with the FIA conference and hosted by IBBT, the Interdisciplinary Institute for Broadband Technology.

The call for papers which attracted a fair number of submission enabled us to focus on 15 very high quality papers which were organised in five different sessions ranging from Cloud Computing to Infrastructures and from Engineering of Service Oriented Applications to Applications and mashups as well as Service adaptation and identification. As usual, all the papers were published by Springer Verlag, as volume 6481 of the Lecture Notes in Computer Science.

Also this year we had the pleasure to invite keynote speakers with broad knowledge from applications to research. Particu-



larly, this year we had 8 keynotes and 2 panels - Testbeds for services deployment and Security in the clouds. The conference also included 4 technical workshops, 3 dedicated sessions focused on NESSI activities and 24 demonstrations jointly organized by ServiceWave, FIA and FIRE.

The selected demonstrations covered all Future Internet topics ranging from services to infrastructures, and represented the closing event for ServiceWave 2010 and FIRE while continued until the end of the week during the FIA event. The Demonstration evening provided the opportunity to demonstrate tool support and automation of specific aspects related to service oriented computing originating from different application domains. After the success of the demonstration evening in ServiceWave 2009, we decided to follow a similar format organizing the demonstrations in an unconstrained atmosphere with lots of sandwiches, discussions and fun. This year we also had a best demonstration contest (see details in the yellow box on page 7).



Keynote speech by Mario Campolargo, European Commission Director for Emerging Technologies and Infrastructures

#### "Towards a Service-Based Internet"

ServiceWave 2010 research papers are available in the proceedings.

Springer Lecture Notes in Computer Science 6481

#### References:

ISBN: 978-3-642-17693-7

More information at

<http://www.springer.com/computer/communication+networks/book/978-3-642-17693-7>

#### Editors

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ServiceWave 2010 featured social as well as technical events on each evening of the conference in order to strengthen the networking between the participants in a relaxed atmosphere! The first day Workshop Participants as well as those that arrived the day before the main conference, were invited to a welcome reception at the conference location. The day after, participants from the FIRE conference, the Living Labs & Smart Cities conference, ServiceWave 2010 and the IPv6 conference attended a joint conference dinner at the "Handelsbeurs" in Ghent. Preceded by a boat trip from the conference venue (ICC, Ghent) to the dinner location, offering a splendid view of the historical city center of Ghent. The third and final evening was the day of the Demonstration Evening.

### Winners of the joint FIA, FIRE and ServiceWave Demonstration Contest

The 24 demonstrations presented by ServiceWave, FIA and FIRE were evaluated by all attendees visiting the exhibit on Wednesday 15/12/2010 according to 4 criteria: originality, relevance, quality and presentation.

We would like to congratulate

**Davy Van Deursen, Wim Van Lancker, Erik Mannens and Rik Van de Walle** for presenting the best demonstration with the title "NinSuna: Metadata-driven Media Delivery" at the joint demonstration evening of FIA, FIRE and ServiceWave on the 15th of December, 2010!

Projects, the publication by Insight Publishers, featured an exclusive interview of NESSI Chairman Dr. Reinhold Achatz.

Check it out online at <http://www.ipl.eu.com/#insight-research/vstc2=projects-magazine>



# ServiceWave 2011 CONFERENCE POZNAN (POLAND) [www.servicewave.eu](http://www.servicewave.eu)

### Book the dates!

Hosted by the Department of Information Systems at the Poznan University of Economics and co-located with FIA 2011, ServiceWave 2011 will take place from 26th till 28th of October 2011!

### Open Calls

**Call for Papers** closes **May 16th, 2011**  
**Call for Workshops** closes **May 30th, 2011**  
**Call for Demonstration** closes **June 3, 2011**

The biennial ICT event has become a unique gathering point for researchers, business people, investors, and high level policy makers in the field of digital innovation.

The 2010 ICT event was held in Brussels from the 27 to the 29 of September and focused on policy priorities such as Europe's Digital Agenda and on the next financial Programme of the European Union for funding research and innovation in ICT.

Services are at the heart of the Digital Agenda, so NESSI took the opportunity of ICT 2010 to demonstrate its crucial role in the service domain by

## giving live demonstrations at the NESSI Booth "Working towards the Future Internet of Services"

Three interactive sessions were organised:

27/09/2010

### The Future Internet of Services – the new NESSI research and membership opportunities.

The session focused on the mechanisms through which NESSI works in the context of the Future In-



Stefano De Panfilis - NESSI Technical Director at the NESSI Stand

ternet. The session presented an overview on the existing and upcoming results, as well as on the opportunities for future research for services in the Future Internet and new opportunities for members. The interactive session included audience involvement to contribute to the updated NESSI SRA.

28/9/2010

**Research/Industry Collaboration on Open Source Cloud Middleware** presented by RESERVOIR and SLA@SOI. This networking session aimed to support users, engineers and researchers in cloud deployments to identify better ways to collaborate on developing European open-source technology.

29/9/2010

### Identity management throughout life: solutions, trends, side effects – in cooperation with Primelife.

This session represented a good opportunity to learn about EU projects that support e-services through identity management (IDM) used for authorisation, identification of users and privacy management.

## setting up many information stands

The NESSI information Stand was THE meeting point where NESSI Members and all the conference attendees had the opportunity to network and interact with other researchers . In addition to the NESSI stand, specific information and demonstration booths were operated by NESSI projects. The SOA4All stand **The Service Jungle: bringing services to life** won the Best Exhibit Award (2nd prize).



This exhibit presented the SOA4All project which is creating a framework for integrating technical advances into a domain-independent service delivery platform. The demonstration focused on the 'SOA4All studio', a user-friendly holistic platform that provides users with a unified view covering the whole life cycle of services.



NESSI Information Stand



**SOA4All wins the second place of the Best Exhibit Awards**

Each participant voted for his/her three favorite exhibition stands. The second place goes to SOA4All who received awards sponsored by Intel of 3,000€.



## “Latin American Technology Platforms (LATPs) are born”

Joint-research opportunities between Europe and Latin America through Technology Platforms



The FIRST project is a FP7 Support Action intended to foster International Cooperation in the area of Future Internet between Europe and Latin America, focusing primarily on five target countries: Argentina, Brazil, Chile, Colombia and Mexico. The project intends to extend the constituency of European Technology Platforms (ETPs) to Latin American key strategic stakeholders from the different sectors included in the field of “Future Internet (FI)”. As shown in the following table, the European research community in each one of these three major areas is structured in several European Technology Platforms led by the most relevant industry stakeholders in each sector. The full list of European Technology Platforms associa-

combined with other factors such as the existence of national policies on those research areas, or the existence of a critical mass in national industry, outlining for each LATPs how many thematic working groups would be created and on which research areas corresponding to the domains covered in the EU by the ETPs. A total of 25 working groups were proposed for the 5 LATPs. The analysis also proposed a common structure for the LATPs (including the steering council, different members categories and working groups), identifying the initial membership and composition.

This analysis work has formed the basis for starting the activities on LATPs governance and launch of operations. During each LATP official launch, the approval of the composition of the Steering Council was performed together with the approval of Strategic vision and Governance Structure. The first LATP was RECIIF, Red de Colaboración para la I+D+i en Internet del Futuro (RECIIF) that was born on 29th October 2010 in Cartagena de Indias at ANDICOM 2010 (Colombia). It was followed by the Mexican Technology Platform (MTP) on 9th November 2010 in Pachuca City, Mexico. Then the Chilean LATP named MACHI came on 1st

December 2010 in Santiago de Chile. Finally the PLATA (PLATAforma Tecnológica Argentina de Internet del Futuro) was officially launched on 6th December 2010 in Buenos Aires in Argentina. The Brazilian Future Internet Platform (BraFIP) was launched on 15th April 2011 in São Paulo. The technology platforms already created in Latin America gather more than 350 members, with around a 50% membership for industrial players and this implies a tremendous success for the project.

One main objective of the FIRST project is to create an active and frequent interaction between European and Latin American researchers in the field of Future Internet through the establishment of fluent communications between LATPs and ETPs. In this line, the liaison established with NESSI is key for the project and the Latin American Technology Platforms, since the software and services sector is one of the most relevant ICT sectors in Latin America.

During year 2010, FIRST has made relevant efforts focusing on the wide dissemination and public awareness: 3 Campus Parties were organized in São Paulo, Madrid and Bogotá with over 11.000 attendants in total. 10 National events were held in each target country (2 events in each of them) with 646 attendants. Finally the EU-LatAm oriented activities performed at the ICT 2010 event attracted in Brussels, more than 140 attendees participated to the Networking Session.. In addition, 2 seminars and workshops co-organised within the ICT 2010 week attracted 100 attendees and an average of 120 visitors came by the LA-LAC ICT Gateway stand. All the events have raised high interest and most of them attracted large audiences. FIRST has been successful in raising awareness among stakeholders in Europe and Latin America, one of the main objectives of year 1. As part of the dissemination

Future Internet		
Networks, contents and services	ICT Components	Systems
<b>Networks</b> <i>Mobile and Wireless Communications</i> <b>ISI</b> <i>Satellite Communications</i> <b>NEM</b> <i>Networked Electronic Media</i> <b>NESSI</b> <i>Networked European Software and Services Initiative</i>	<b>Photonics 21</b> <i>Photonics</i> <b>ENIAC</b> <i>Nanoelectronics</i>	<b>EPoSS</b> <i>Smart Systems Integration</i> <b>ARTEMIS</b> <i>Embedded Intelligence and Systems</i>

Figure 1: ETPs within the Future Internet field in Europe

ted to the Future Internet field can be consulted in figure 1. FIRST has used this structure of ETPs as an organizational model for the classification of Latin American stakeholders, and the evaluation of potential areas for cooperation between Europe and Latin America. This structure has also been used during the launch of the Latin American Technology Platforms (LATPs). As expected, using the European ETPs model in the LATPs internal structure (Thematic Working Groups) is facilitating the establishment of liaisons, the identification of counterparts, areas of common interest, etc.

### 5 LATPs already created

The process of LATP creation started with the strategic analysis of potential areas for cooperation, and identification of key stakeholders in each research domain currently covered by the ETPs has been accomplished. This entailed in-depth field activities by the local partners, including 148 interviews with ICT research stakeholders. The result was a first analysis of research capacities,

effort, Training material was produced to improve the knowledge of FP7, ETPs and Future Internet among LatAm researchers.

### Defining the strategy for EU-LatAm cooperation on Future Internet

During the second year of the project, the Strategic Research Agendas (SRA) for each LAMP will be defined as well as the roadmap for their implementation (Including brief descriptions of project proposals that could serve as seeds for future cooperative projects). A Regional Strategy for cooperation EU-LatAm on Future Internet will also be established thanks to the production of a common Vision document and a common Strategic Research Agenda, taking into account national strategies as developed in national LAMPs, as well as European strategies and priorities as developed in ETPs, FIA, FIRE, and other relevant European groups in the field of Future Internet. A common EU-LatAm roadmap towards the implementation of Future Internet Strategic Research Agendas will be produced.

A European-LatAm group of experts on Future Internet has been created in order to monitor and contribute the definition of the Regional EU-LatAm strategy for cooperation in Future Internet. It will be composed of an advisory group constituted by representatives from National Latin American Technology Platforms plus European key stakeholders from European Technology Platforms, and also observers such from the European Commission, Latin American National R&D Agencies and ICT-related organizations, representatives of public authorities, etc.

The project will also study the feasibility to successfully apply and replicate the LAMP creation model in other LatAm countries and analyze the areas of potential cooperation in FI.

### How can collaboration be set up with NESSI ?

The creation of the LAMPs has been widely disseminated to the European scientific community and the message that a permanent cooperation mechanism with the five leading countries in Latin America is established has been effectively conveyed to several categories of

stakeholders including researchers and representatives of the European Technology Platforms.

The creation of LAMPs has paved the way for future collaboration between Europe and Latin America around Future Internet and its individual components. The great expectations raised at the beginning of the project are being successfully achieved, by pro-

viding unique networking opportunities for the preparation of new research EU-LatAm consortia. Regarding NESSI, all the target countries have shown a tremendous potential in the software and services sector, and in consequence working groups focused on "NESSI sector" were launched in all the LAMPs. These groups are ready to work with their counterparts in NESSI.

ETPs have shown interest to liaise with the LAMPs; some of them have already nominated representatives to act as interface with LAMPs. The participation of ETPs representatives at the LAMPs official General Assemblies is foreseen. A ETPs-LAMPs seminar is planned to be organized (probably at FIA October 2011 in Poznan) in order to promote a closer relationship and opportunities for cooperation between Latin American and European researchers and reinforce links between ETPs and LAMPs around FI themes.

After the FIRST project will end in December 2011, LAMPs will still be up, running and operational, and will have their own lifecycle such as ETPs, with new members joining, new working groups being created, new vision arising from the market demand, new version of the SRAs, new roadmaps, etc.

The results achieved so far (including the presentations made at the successful first Annual Review on Friday 11th March 2011 in Brussels) as well as all the material related to FIRST such as consortium participants, Newsletters can be found in the FIRST web site: <http://www.latin-american-technology-platforms.eu/>

LAMP	NESSI Working Group	WG Leader
<b>Plata</b> Argentina, 85 members	<b>Networks, Contents and Services (NUOVONET)</b>	<b>José Maria Louzao (G&amp;L Group)</b>
<b>MACHI</b> Chile, 51 members	<b>Software and Systems</b>	<b>Luis Stein (GECHS - Association of Software &amp; Services companies in Chile)</b>
<b>RECIIF</b> Colombia, 52 members	<b>Software and Services</b>	<b>Jose Jaime Gómez Cudris (Multimedia Services)</b>
<b>MTP</b> Mexico, 157 members	<b>NESSI Mex</b>	<b>Luis Cuellar (Softtek) Karl McDermott (BIQ)</b>



## Measure your impact!

Concerns about the financial stability of EU Member States and the EU, as a whole, are in the news every day. Against a backdrop of budget cuts at all levels, the

world of research and innovation received some good news from the Europe 2020 Flagship Initiative “Innovation Union”<sup>1</sup>. The EU has invited Member States to “continue to invest in education, R&D, innovation and ICTs. Such investments should, where possible, not only be protected from budget cuts, but should be stepped up”. Nevertheless —inevitably—the socio-economic circumstances have put increased pressure on funding bodies to demonstrate that resources are spent in the most effective and efficient manner. Confirming this, the ‘Innovation Union’ communication continues by suggesting reforms in innovation systems in order “to get more value for money”.

### The definition of an adequate research

**evaluation model** is on national political agendas both inside and outside Europe. Better evaluation methods are needed to identify what works and what does not, and why, as well as what could and should be scaled up. Within Europe, many Member States are pursuing actions to restructure or reinforce their national research evaluation procedures. At EU level specific attention is also given to the development and application of procedures which assess the impact of, and attempt to maximise, research investments.

### What can research projects do to contribute to European priorities such as promoting economic growth, jobs or energy efficiency in this context?

Today, research projects need to engage more with objectives that go beyond technological achievements. An example of this trend is SEQUOIA<sup>2</sup> (“Socio-Economic Impact Assessment for Research Projects”) a support action co-funded by the European Commission under the

1 Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions SEC(2010) 1161

2 SEQUOIA/FP7-ICT-258346

Unit ‘Software & Service Architectures and Infrastructures’.

According to the ICT work programme 2009-2010, technologies developed under Challenge 1 (Pervasive and Trustworthy Network and Service Infrastructures) are expected to be tailored to meet key societal and economic needs. Furthermore, the socio-economic implications of new technological solutions need to be assessed at an early stage. SEQUOIA aims to translate these generic statements into more specific socio-economic objectives. It develops a self-assessment methodology<sup>3</sup> by which research projects in the SaaS and IoS areas can assess the impact of their project outputs against the social and economic dimension of their target beneficiaries. Through its methodology SEQUOIA helps projects focus more on the creation of value and aims at giving them qualitative

and quantitative value information to help them become more aware of their social and economic innovation capabilities. In other words it supports projects by enabling them to ‘talk the same language’ as stakeholders when referring to the usable technological outputs of their own projects thereby increasing their match

with the business world.

### About the SEQUOIA project

Starting from the experience of the ERINA<sup>4</sup> study and FASSBINDER<sup>5</sup> project, SEQUOIA, uses a mixture of the traditional techniques such as Cost Benefit Analysis and Multi-criteria Methods revised and adapted to the SaaS and IoS research domain.

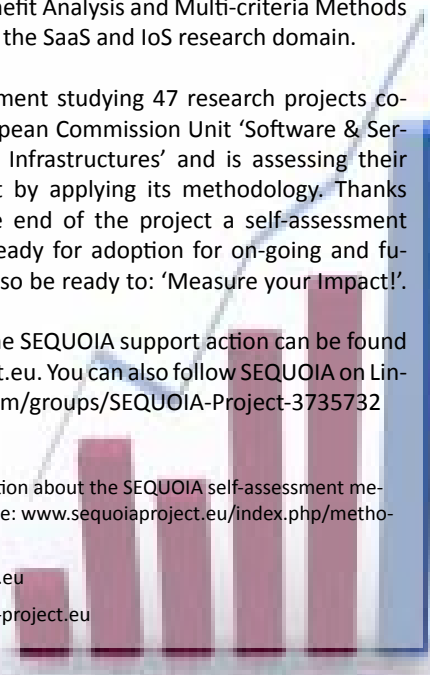
SEQUOIA is at the moment studying 47 research projects co-funded under the European Commission Unit ‘Software & Service Architectures and Infrastructures’ and is assessing their socio-economic impact by applying its methodology. Thanks to this exercise by the end of the project a self-assessment methodology will be ready for adoption for on-going and future research projects, so be ready to: ‘Measure your Impact!’.

More information on the SEQUOIA support action can be found on [www.sequoiaproject.eu](http://www.sequoiaproject.eu). You can also follow SEQUOIA on LinkedIn: [www.linkedin.com/groups/SEQUOIA-Project-3735732](http://www.linkedin.com/groups/SEQUOIA-Project-3735732)

3 Further information about the SEQUOIA self-assessment methodology can be found here: [www.sequoiaproject.eu/index.php/methodology](http://www.sequoiaproject.eu/index.php/methodology)

4 [www.erinastudy.eu](http://www.erinastudy.eu)

5 [www.fassbinder-project.eu](http://www.fassbinder-project.eu)



## NESSI presents its new website!

NESSI is pleased to announce that the new NESSI Web site went live on the 25th of January, 2011.

This is a major second step in taking the membership survey into account.

Our new site has been redesigned with a friendly structure, a fresh new look and has been updated with information about the organisation of NESSI and the on-going activities.

The driving guidelines for this new look emerged from our need to consolidate the **value of NESSI as the innovation channel on software and services**.

Besides the global design changes, the new website includes new functionalities to better meet the needs of NESSI members as well as of the whole IT community who - since the beginning - can find in the NESSI Website THE gateway to NESSI. The new website provides enhanced access to Members' information and resources. A clearer structure, simplified navigation and improved search functions make finding members' information easier than before.

Additionally, we have included a direct access to all on-going activities to which members can take part, as well as direct online management of member profiles and selection of the information channel.

The main navigation menu has been redesigned with 7 categories for you to "browse through NESSI", getting more information about the NESSI Organisation, its milestones, the vision and the research objectives. We also have a brand new Publications page with all the NESSI Newsletters, the Research Publications and the related videos.

This structure allows quick access to all the information related to NESSI which has been fully updated. Moreover, users

will benefit from the "Quick Links" for fast access to frequently used pages.

Check out the new features available in January 2011:

- new organisations can request membership online, uploading the signed letter of intent in a single process
- members can update their own profile online, selecting the information channels they are interested in
- members can search which organisations are part of NESSI and get more information about each organisation, including the contact points

ding the contact points

- members can access immediately in a single page the on-going activities, linking from this to get more information
- members can submit open positions in their organisation

We have also worked extensively to ease the access to information, with

- our publications which have all been put online, organised around the research topics (Strategic Research Agenda, vision, position papers and books) and the media centre (logos, flyers, presentations and videos)
- our events which can be filtered, including internal meetings - giving easier access to the events you are interested in

Upcoming features deployed in the second quarter of 2011 include:

- the capability to propose new task forces or request to join an existing one
- the online viewer for our newsletters and other pdf documents
- the extended search capability to find an individual person part of a NESSI member organisation
- the detailed information about each NESSI Strategic and Compliant project
- a complete list of NESSI results, classified through different categories
- the online submission of news to be published either in the newsletter or online

We are continuously working to improve the NESSI online presence as a facilitator for our members - please send us your suggestions at [office@nessi-europe.eu](mailto:office@nessi-europe.eu)

**A very special thanks goes to our Partner, ATC** (<http://www.atc.gr>) - who also hosts the website - for its amazing work and support in the implementation from the old website to the new one.

We hope you enjoy the new website!

If you experience any problems or if you have any suggestions, please contact the NESSI Communication Team at [office@nessi-europe.eu](mailto:office@nessi-europe.eu)

“Search for other members - by name or by organisation.”

## PrimeLife Summit Event to be part of SEC2011 conference in Lucerne June 7, 2011

The PrimeLife project will hold its Summit Event on June 7, 2011 as part of the IFIP SEC2011 conference in Lucerne, Switzerland. The consortium will present its research results contributing to the development in user-centric Identity Management (IdM) inter alia in the areas of:

- Privacy-preserving data processing in social networks,
- Lifelong privacy-preserving data storage in the cloud,
- Privacy by policies introducing the PrimeLife policy language to express data handling policies electronically,
- New cryptographic approaches to enable privacy-enhancing technologies,
- Privacy and IdM in mobile environments and service structures,
- Usability challenges of privacy technologies.

URL: <http://www.primelife.eu/summit/>

Also check out the program of the SEC2011, which also handles the registration for both conferences.

## Federated Social Web Conference to be held on June 3-5, 2011 in Berlin

Date: June 3-5, 2011, Location: Heinrich-Boell-Foundation, Berlin, Germany.

Social networking has transformed the Web. However, most Social Web applications today limit relationships to those with accounts in the same system. People want a seamless integration without barriers between service providers and applications used as is known from other forms of communication form such as telephone or e-mail. To explore the interoperability needed, the PrimeLife project supports the efforts of the World Wide Web consortium (W3C) in organizing the Federated Social Web Europe Conference to take place June 3-5, 2011 in Berlin. The conference is hosted by the Heinrich-Böll-Stiftung. It follows the 2010 Federated Social Web Summit and is designed to bring together diverse communities interested in Social Web, identity, and privacy. The agenda will include talks, presentation of position papers, and opportunities for on-the-ground agenda building.

Call for Participation and Registration: <http://d-cent.org/fsw2011/>

URL: <http://www.primelife.eu/workshops>

## Save the Date: PrimeLife / ABC4Trust joint Tutorial on Attribute-Based Credentials

Date: June 10th, 2011, Location: IBM Research Zurich, Säumerstrasse 4, 8803 Rüschlikon, Switzerland  
Within the PrimeLife project it became obvious that a trustworthy, yet privacy-preserving authentication is necessary to enable long-term and lifelong privacy for users. Attribute-based credentials offer a solution allowing strong authentication while the user may remain anonymous towards the relying party and without the identity provider learning to know about the websites

visited or services deployed by a user. The technology to deploy Attribute-based Credentials is available with IBM's Identity Mixer and Microsoft's U-Prove. The EC-funded project ABC4Trust picks up PrimeLife's results and will deploy these systems in actual production pilots and deliver open reference implementations. PrimeLife and ABC4Trust organize a joint tutorial explaining the basics of the technology, its potential sphere of application for privacy-enhancing technologies and some building blocks of the underlying cryptography. The tutorial will be held in Zurich on Friday June 10, 2011 and hosted by IBM Research Zurich. Attendees of the PrimeLife Summit Event and the SEC2011 may conveniently join the meeting by extending their stay in Switzerland.

Save the Date: June 10, 2011.

Agenda and further details to be published at: <http://www.primelife.eu/workshops/>

Registration: [primelife@datenschutzzentrum.de](mailto:primelife@datenschutzzentrum.de)

## Current and emerging challenges of eHealth - privacy, law, ethics, governance and beyond

Date: June 16-17, 2011 Location: Middlesex University, Trent Park campus, Bramley Road, London N14 4YZ

This joint workshop will be co-organised by Middlesex University together with the European Commission co-financed project PrimeLife.



Excerpt from the workshop announcement: A key challenge is the protection of

health data throughout a person's lifetime - whether those data are personal or more generic. Indeed, it may be necessary to extend this protection beyond a lifetime, as disclosure of the data could adversely affect the individual's family members, descendants, and social or racial groupings. How feasible is it to control uses of these data as systems, organisations and data processing change? What other societal and socio-economic difficulties may arise that mean that the handling of personal, private or confidential health and medical data will alter? Could certain rules or restrictions about the handling of private data actually impede beneficial societal or socio-economic developments?

These challenges, and possibly more, and ways of addressing them will be discussed during the workshop.

URL: <http://www.primelife.eu/workshops/>

Further events with PrimeLife participation targeting current questions of privacy and identity management are planned until the June 2011. Please check <http://www.primelife.eu/workshops/> for further announcements

QualiPSo EU Project ([www.qualipso.org](http://www.qualipso.org)) is proud to announce the re-



lease of  
the new  
QualiPSo  
Factory  
0.6.

Designed based on an SCA (Service Component Architecture) approach, it is a modular, flexible and customizable open source forge thought for the management and development at industrial level of the future open source projects and solutions. The user interface is based on GWT (Google Web Toolkit) and OpenParts framework.

The basic version includes GIT distributed versioning management, SVN versioning management and Issue Tracker services. The complete version includes additionally Forum, Calendar, phone conferencing over Internet (VoIP) and Jabuti testing tool services.

Look at the release note to see the functionalities offered!

The Factory website includes links to documentation, source code, latest factory release and bundles (0.6) which allows you to easily deploy it (uncompress & execute bin/run.sh) and configure it.

Download at: <http://www.qualipso.org/node/394>

### Open call for experiments - by new NESSI NSP project TEFIS

TEFIS seeks to incorporate new experiments to run tests orchestrated across multiple heterogeneous testbeds. The experiments shall propose usage scenarios exploiting at least 2 of the 6 facilities provided by TEFIS.

- PlanetLab – evaluation of network protocols and networked services over Internet
- PACA Grid – computing resources
- ETICS – Improving the quality and reliability of distributed systems
- Botnia Living Lab – end-users involvement in products and services development
- IMS testbed – validate and test applications over IMS (IP Multimedia Subsystem)
- Kyatera – network performance evaluation



The rules of participation and funding for each partner are the same as for any FP7 project.

Call identifier: TEFIS – new experiments

Language in which the proposal should be submitted: english

Date of close of call: 11.05.2011 17h00 Brussels time

Total available funding for the call: 731K€

Internet address for further information: <http://www.tefisproject.eu/opencall.html>

Submission address: [tefisopencall@cdt.ltu.se](mailto:tefisopencall@cdt.ltu.se)

# NESSI at a glance

NESSI, the Networked European Software and Services Initiative, is the European Technology Platform dedicated to the transformation into a service oriented economy and distribution model.

## NESSI Board

### NESSI Chairman of the Board:

Dr. Reinhold Achatz,  
Corporate Vice-President,  
Head of Corporate Research and Technology, Siemens

## NESSI Steering Committee

### NESSI Chairman of the Steering Committee:

Frédéric Gittler  
Senior Research Engineer and Architect  
HP Labs

## Contact points

### NESSI Postal Address

11 Avenue des Pléiades -B 1200 Brussels  
office@nessi-europe.eu

## Upcoming events

Events	Dates and info
Future Internet PPP launch	03/05/2011 <a href="http://ec.europa.eu/information_society/activities/foi/events/fi-fpp-launch/index_en.htm">http://ec.europa.eu/information_society/activities/foi/events/fi-fpp-launch/index_en.htm</a>
FIA Budapest	17, 18 & 19/05/2011 <a href="http://www.future-internet.eu/home/shape-fia.html">www.future-internet.eu/home/shape-fia.html</a>
PRIMELIFE Closing Event	07/06/2011 <a href="http://www.primelife.eu">www.primelife.eu</a>
Summer School on Service Oriented Computing	27/06/2011 > 03/07/2011 <a href="http://www.summersoc.eu">www.summersoc.eu</a>
2011 PARADISO high-level conference, September 8-9 2011, European Commission - Brussels	08 & 09/09/2011 <a href="http://www.paradiso-fp7.eu">www.paradiso-fp7.eu</a>
ServiceWave 2011, Poznan	26, 27 & 28/10/2011 <a href="http://www.servicewave.eu">www.servicewave.eu</a>
FIA Poznan	24, 25 & 26/10/2011 <a href="http://www.future-internet.eu">http://www.future-internet.eu</a>

## Interested in joining NESSI?

Membership provides you with opportunities to participate to the elaboration of the NESSI Strategic Research Agenda, the development of NEXOF and related activities.

Join us to contribute to the services framework of the future

**You can initiate the joining process online on our new NESSI Web site**

[www.nessi-europe.eu](http://www.nessi-europe.eu)

[www.nexof-ra.eu](http://www.nexof-ra.eu)

## NESSI members

25 partners

434 members

equally split between industry and academia

## NESSI research Strategic projects

4CaaST  
Aniketos  
EzWeb  
Master  
NEXOF-RA  
Reservoir  
Serenoa  
SLA@SOI  
SOA4ALL  
Tefis  
Vision

## NESSI research Compliant projects

BonFire  
Compas  
Fast  
First  
MyMobileWeb  
PrimeLife  
TAS<sup>3</sup>

## NESSI's Network of National and Regional Initiatives

Bulgaria	<a href="http://www-it.fmi.uni-sofia.bg/nessibg">www-it.fmi.uni-sofia.bg/nessibg</a>
Germany	<a href="http://www.bicc-net.de">www.bicc-net.de</a>
Hungary	<a href="http://nessi.hu/welcome-to-the-nessi-portal">nessi.hu/welcome-to-the-nessi-portal</a>
Netherlands	<a href="http://www.iipsaas.nl">www.iipsaas.nl</a>
Norway	<a href="http://www.nessi-norway.no">www.nessi-norway.no</a>
Poland	<a href="http://www.ppti.pl">www.ppti.pl</a>
Slovenia	<a href="http://www.nessi-slovenia.com">www.nessi-slovenia.com</a>
Spain	<a href="http://www.ines.org.es">www.ines.org.es</a>
Sweden	<a href="http://nessisweden.ning.com">http://nessisweden.ning.com</a>
Turkey	<a href="http://www.eetp-tr.org">www.eetp-tr.org</a>

## Latin American Technology Platforms (LATP)

FIRST <http://www.latin-american-technology-platforms.eu/>