Dear NESSI Community Member, this is the regular newsletter to update you on the recent developments in Technology, Policy and Society on matters relevant to NESSI.

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NESSI News - January 2013

Dear NESSI Members,

This is the first issue of NESSI News 2013 and we would like to start by wishing you all the best for the New Year.

In brief, this edition will update you on the latest NESSI publications. In addition to a white paper on Big Data, NESSI has prepared a position/input paper for the first work programme (2014) for Horizon 2020. This paper reflects contributions from the NESSI partners as well as community through the online members' consultation that was carried out last year. NESSI will now extend the position paper for the Horizon 2020 work programme 2014 with the aim to develop a NESSI Research and Innovation agenda.

NESSI has also published a response to the European Cloud Strategy that the Commission released last year. In addition to this, NESSI reacted to the report by the Commission's advisory group on overarching ICT-related policy (ISTAG) called "Software Technologies – the Missing Key Enabling Technology". The ISTAG report outlines the strategic importance of software technologies describing software as the prime industrial differentiator and basis for innovation. NESSI welcomes this initiative and outlines a number of important aspects that are stressed in the ISTAG report. Read more about all our papers further down in the newsletter and you can also find them on our website for further reading and downloading.

Another important NESSI activity took place in January. The NESSI Board reconvened to discuss strategic matters concerning the future of NESSI, especially within the context of the re-organisation of ETPs that currently is discussed by DG RTD, DG Connect and the ETP community. As we have reported in previous newsletters, the Commission is currently re-thinking the role of European Technology Platforms in connection with the launch of Horizon 2020. DG Research and Innovation (DG RTD) has presented a draft strategy on the future of ETPs and is expected to present their ideas concerning a new ETP structure in March next year.

We hope you find this first 2013 issue of NESSI News interesting and do not hesitate to contact us at office@nessi-europe.eu if you have any questions related to our activities.

We are looking forward to hearing from you!

The following briefings about our activities are included in the January edition of NESSI News:

- ·   **NESSI input to Horizon 2020 Work Programme 2014**
- ·   **Big Data White Paper**
- ·   **NESSI response to the European Cloud Strategy**
- ·   **ISTAG**
- ·   **News in short**
- ·   **Events**

NESSI Input to Horizon 2020 Work Programme 2014

This paper refers to the activity lines of the Industrial Leadership priority as specified in the <u>Specific Programme implementing Horizon 2020</u>. NESSI reviewed and discussed these activity lines within the NESSI community, among others through a members' consultation, with the goal of identifying the key areas for research in Software and Services. As a result we recommend addressing a number of research priorities in the upcoming first Work Programme of Horizon 2020. The research priorities are grouped into the following areas:

- ·   Quality in cloud-based heterogeneous service scenarios
- ·   Service and Software Engineering
- ·   Service usage in a fast changing business world
- ·   New ways to increase software performance and energy-efficiency
- ·   Software Defined Networking
- ·   Security
- ·   Big Data

For each of the areas the paper indicates the reasoning why they are considered to be relevant within the timeframe of Horizon 2020 and which impact they can generate.

To read the NESSI input paper, please download it <u>here</u>.

Big Data White Paper

In this white paper on Big Data, NESSI seeks to contribute to the current European Big Data discourse, based on the expertise of its partners. In addition, a members' consultation was carried out in order to include also opinions of the NESSI members' community. The paper thus offers a comprehensive view on technical, legal, social and market-related aspects of Big Data that have a direct impact on applications, services and software technology practices.

The paper addresses the challenges rising from the use of Big Data and how to overcome those in order to enable new technical and business opportunities for Europe's software industry and economic sectors. The key points stressed in this paper seek to ensure that the necessary technical conditions and expertise of a skilled work force are available, together with the right business and policy environment in order for Europe to take advantage of these opportunities and regain its competitive position with respect to the rest of the world.

You can download the full version of the NESSI white paper <u>here</u>.

NESSI response to the European Cloud Strategy

In September 2012 the European Commission published the communication "<u>Unleashing the potential of Cloud Computing in Europe</u>". The communication addresses three specific challenges - contract terms and certification schemes, the large amount of available Cloud standards and public sector Cloud uptake.

NESSI strongly supports the initiative to highlight the relevance of Cloud for the European economy and society and fully agrees with the statement that Cloud is one of the Digital Market's most important innovation drivers, boosting productivity, growth and jobs for the entire European Union.

The NESSI response to the EU Cloud Strategy in particular focuses on issues related to standards, data protection and service level agreements. For further reading, please download the position paper <u>here</u>.

ISTAG Report on Software Technologies

In December 2012, <u>ISTAG</u> (the Information Society Technology Advisory Group of the European Commission DG Connect) described the need for a Strategic Agenda for Software Technologies in Europe. NESSI welcomes the ISTAG initiative to highlight the relevance of software for the European economy and society. Particularly naming software a Key Enabling Technology, illustrates the essential value of software for value and wealth creation by accelerated innovation in industry, business and public sector. In the response, NESSI fully recognizes and supports the notion and understanding of software as a Key Enabling Technology for Europe.

As the <u>ISTAG report </u>coincides with the preparation of the first work programme 2014 of the Horizon 2020 Research Framework Programme, NESSI proposes further focus areas for the first work programme of Horizon 2020 to continuously build up the innovation capacity and technology excellence of the European software and service industry. NESSI is convinced that over the next decade more sophisticated value chains will emerge in the software sector delivering value by combining software solutions on the machine, infrastructure, platform, application, and businesses and social network level. These value chains critically depend on strong European software and services platforms providing the foundation for agile enterprises to innovate. NESSI sees the development of eco-systems around these platforms as one of the central missions for the European

software industry and governments.

To read more about the recommendations put forward by NESSI in the context of the ISTAG report on software technologies, please click here.

News and events in short

News in short

Cyber Security strategy

On 7 February, the European Commission and the High Representative of the Union for Foreign Affairs and Security Policy is expected to adopt a Communication on Cyber Security and a complementary proposal for a Directive on measures to ensure a high common level of cyber security across the EU.

Safer Internet

On 5 February, also known as the Safer Internet Day, 29 media, technology, telecoms and online companies showed the results of their joint work undertaken since their December 2011 commitment to make the internet a better and safer place for kids. Click here for more information.

Upcoming dates/ events

7 March 2013

Cloud Computing conference 2013 (Brussels)

Following the release of the European Cloud Computing Strategy by Vice President Kroes, in September 2012, the 2nd Annual European Cloud Computing Conference 2013 will provide a platform to hear from the key policymakers and stakeholders involved in this field.

The conference will assess the plans outlined in the Strategy, analyse the barriers to a successful implementation of the proposed measures, and finally look into various solutions to overcome the remaining challenges to maximize the potential of Cloud Computing in Europe.

9-10 April 2013

The European Data Forum 2013 (Dublin)

The European Data Forum (EDF) 2013 is organized in Dublin, Ireland and is the annual meeting-point for data practitioners from industry, research, the public-sector and the user community, to discuss the opportunities and challenges of the emerging Big Data Economy in Europe.

Topics covered in the conference include Linked Data, Open Data, and Big Data, with the aim to bring together all stakeholders involved in the data value chain to exchange ideas and develop actionable roadmaps addressing these challenges and opportunities to strengthen the European data economy and its positioning worldwide.

8-10 May 2013

Future Internet Assembly 2013 (Dublin)

The next major event for the European Future Internet Community is scheduled to take place in Dublin from 8-10 May 2013, following up on the FIA Aalborg that took place in May 2012.

Other, upcoming events:

Telco Cloud World Forum 2013: 15-17 April (London)

Cloud World Forum 2013: 26-27 June (London)

Cloud Expo Europe 2013: 28-29 June (London)

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