Network of Excellence

Deliverable D12.2

First Report on the Dissemination and Communication Activities including the Population of the Dissemination Web Portal
Abstract
This document presents the dissemination activities carried out by the NESSoS consortium for the first year of the project. As part of the dissemination results we show in this deliverable the publications, events organized by NESSoS or NESSoS partners, and the presentations carried out by some partners in order to show the project to different audiences. Also, as a very important part of the dissemination activities we show a first attempt of the plan for managing public awareness.

Keyword list
Dissemination activities, publications, Web Portal, events, raising public awareness
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1 Executive Summary

This document presents the dissemination activities carried out by the NESSoS consortium for the first year of the project. As part of the dissemination results we show in this deliverable the number of publications achieved by the whole consortium, including joint publications. We also listed the events organized by NESSoS or NESSoS partners and the presentations carried out by some partners in order to show the project to different audiences. Also, as a very important part of the dissemination activities we show a first attempt of the plan for raising public awareness. Education and training and Industry liaison are part of the dissemination activities but they are not addressed in this deliverable as they are dealt with in specific deliverables from WP13 and WP14 respectively.
2 Introduction

Dissemination is one of the main activities of NESSoS. The way dissemination is going to be carried out is manifold:

- Dissemination activities of NESSoS. As part of the dissemination of NESSoS we consider the publications that have been generated by the members of the consortium in the area, and the presentation of NESSoS to different audiences as well as the organization of events. We distinguish three types of organization of events: events organized by NESSoS, organized by some members of NESSoS and those organized in conjunction with other organizations.
- Education and Training. This includes the creation of summer schools and master programmes as well as the creation of the open competition E-RISE. These topics are part of the dissemination activities but they are addressed in WP13.
- Industry liaison. This activity is concerned with the connections with industry and the creation of events in order to raise awareness with these stakeholders. These activities include industry training and are addressed in a specific WP14.

In this deliverable, we are giving details of the main dissemination actions that have been taken during the first year of NESSoS. Research dissemination has been carried out by means of publications. The members of the consortium published seventy publications in well-known international journals and conferences proceedings.

The involvement of NESSoS or some of its members in the organization of international events in the topics of the project is also an important way of dissemination that is going to be described.

The web page is also the main mean of dissemination of the NESSoS results. We have described the main features and the information that can be found in the web page as well as the statistics for the first year of existence of the web page. The maintenance of the web page is also crucial for dissemination purposes and it is addressed in WP1.

We have created some material for the dissemination of NESSoS. In particular, we have designed a leaflet and a poster that shows the main activities and objectives of the project. These two documents are to be distributed along adequate forum whenever NESSoS is to be presented. We have also designed a newsletter that is going to be distributed in the community mailing list. This newsletter contains, as well as the leaflet and the poster, basic information of the project. We aim to include in the newsletter also highlighted information about outcomes and news of NESSoS and intend to describe “the partner of the month” by dedicating each newsletter to a different partner, so that it can be better known by the audience of the newsletter.

We will also give details of the main steps followed and to be followed in order to raise public awareness from the different audiences (research, industry and general public).
3 Dissemination Activities

3.1 Publications
NESSoS members are very active with regard to research publications. This can be seen in a dedicated area for publications within the web page (http://www.nessos-project.eu/index.php?option=com_research&view=publicationslist&Itemid=115), where the project has reached 70 publications up to the 30th of September 2011. There are publications in relevant journals in the area of Services, Security and Software Engineering. Some of these relevant journals are IEEE Computer, Journal of Secure Software Engineering, The Computer Journal or International Journal of Software and Informatics. As for the conferences where NESSoS papers were published it is worth to mention that some of them are top conferences in their area such as IEEE Symposium on Security & Privacy, CSF, ESORICS, ASIACCS or SACMAT. It is also worth to mention that one of the NESSoS publications by IMDEA received the best paper award at the USENIX conference 2011. This conference is one of the top conferences in the security area. This paper was awarded among the 35 accepted papers. The acceptance rate for this conference is 17.1%.

Some of these publications are a result of joint works amongst the partners in particular; there are 9 joint publications, which means 12.8% of them (the list of joint publications can be found in Appendix A). The classification of the NESSoS publications has been summarized in the following table.

<table>
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<th>Type of Publication</th>
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<td>51</td>
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<td>Journals</td>
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<td>Book chapters</td>
<td>4</td>
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<td>Technical reports</td>
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Table 1 NESSoS Publications

The complete list of publications can be found in Appendix A.

3.2 Events

3.2.1 Presentation of NESSoS at Relevant Forums
NESSoS partners have presented the NESSoS objectives and status, knowledge and achievements to other communities and projects.

Among them we have presented NESSoS in the following events:

- At S&D4RCES workshop organized by the SecFUTUR project Naples (Italy), 22nd of September 2011
- ERCIM STM WG meeting, Copenhagen (Denmark), 27th of June 2011
- Effects+ Cluster meeting at Brussels, 29th of March 2011
- Annual meeting of the Spanish eSec Platform, November 2010
- Fabio Martinelli presented the NESSoS activities on the newsletter of the Italian National Platform for Homeland Security (SERIT);
- Giorgos Karopoulos (CNR) presented a poster for NESSoS at the ENISA Summer School in June 2011.
• Poster stand at ServiceWave and FIAssembly, Gent, December 2010 (contribution organized by Wouter Joosen)
  ○ NESSoS Poster stand (Katrien Janssens)
• Two live demonstrations on work in progress from the NoE (Task 8.1 and 8.3) (Pieter Philippaerts, Jan Smans and Lieven Desmet)

3.2.2 Invited Talks
• David Basin delivered a talk at SACMAT 2011 entitled “A Decade of Model-Driven Security”. The paper based on this invited talk has been published in the proceedings of the conference. This is a joint paper with IMDEA.
• Fabio Martinelli gave a talk on “Quantitative Aspects in Trust Management” at CRISIS 2011 (September)
• Javier Lopez gave a talk on “Privacy in Wireless Sensor Networks” at the 5th International Conference on Networks and System Security. Milan (Italy), September 2011
• Ketil Stolen participated on the panel of the 7th International Workshop on Security and Trust Management (STM’11).
• Frank Piessens gave an invited talk at FAST 2011, (Leuven, Belgium) on "Security and privacy mechanisms for the Web: model-based design and analysis". September 2011

3.2.3 Organization of Events

The events involving the NESSoS researchers are listed in the NESSoS web site (http://www.nessos-project.eu). The participation of NESSoS partners in these events contribute to the effort of creating this long lasting research community.

The following is an exemplification of the events organized and planned during the first year of activities that contribute to the goal of integration:

• A flagship event for NESSoS is ESSoS, International Symposium on Engineering Secure Software and Systems. ESSoS is a main event in secure service and software engineering and it is supported by the NESSoS community. ESSoS started in 2009 organized by Wouter Joosen (KUL), in 2010 it was organized by Fabio Martinelli (CNR), and 2011 by Manuel Clavel (IMDEA) in February 2011. The event is crucial for shaping the research area and allowing NESSoS partners to create and consolidate a worldwide community interested in the same topics thus going beyond the EU boundaries. Usually a NESSoS plenary meeting is planned collocated with the ESSoS conference each year. This will ease participation of NESSoS researchers to the ESSoS conference (and contribute to sustain it through participation).
• The 8th International Workshop on Formal Aspects in Security and Trust (organized by Gilles Barthe – IMDEA) is collocated with ESORICS 2011 (organized by KUL in September 2011). This allows NESSoS to have a workshop collocated with the main European Conference in Security thus allowing NESSoS community to interact with the security one on a stable basis.
• The first NESSoS industry seminar (organized by Jorge Cuellar (SIEMENS), Fabio Martinelli (CNR), Isabel Vinagre and Aljosa Pasic (ATOS)) has been accepted as scientific workshop at the Servicewave2011 conference (October 2011), a main event of the service engineering community. It will be a unique opportunity to discuss with the industrial and scientific community the current trends and best practices as well as to try to reduce the gap between industry and research. Gary Mc Graw accepted to give
an invited talk at the event. He manages the BSIM community interested in secure software engineering.

- Session at the Future Internet Assembly (FIA) in Poznan (Oct. 2011) on “Trustworthy services and systems” has been planned by several projects, including NESSoS. In particular, Isabel Vinagre Torres and Aljosa Pasic (ATOS) and Fabio Martinelli (CNR) are among the organizers. The presence at the FIA event of NESSoS will contribute to make evident the relevance of the research issues tackled by the NESSoS community. Additionally, it offers the possibility to discuss these issues with other communities.

- The 2nd International Workshop on Policies for the Future Internet (PoFI2011) has been co-organized by Fabio Martinelli and Marinella Petrocchi (CNR) and co-located with the IEEE Symposium in Policy Management for Distributed and Networked Systems (IEEE Policy 2011), the main event worldwide on Policy Management. This event has been planned and organized with another EU Project, i.e. EFFECT+, a project establish collaboration among all the FP7 projects under the Trustworthy and security unit. It was celebrated in June 2011.

- For 2012, a NESSoS plenary meeting is planned in Zurich (organized by ETH) during the ICSE week, the main event on software engineering worldwide.

SINTEF also organized a series of seminars related to the topics of research carried out within NESSoS:

- Seminar on Risk Management, January 2011

As for summer schools we here summarize the events supported by NESSoS, or with participation of NESSoS partners. The full report on summer schools will be included in D13.1.

- The summer school, FOSAD, International School on Foundations of Security Analysis and Design, is organized in cooperation with NESSoS. This year’s event took place in August 2011. Five out of ten speakers of the courses at this school in 2011 are members of the NESSoS consortium. This is a key instrument for the NESSoS strategy to have a constituency of young researchers that can sustain the NESSoS research topics. FOSAD series is a long-standing research school where several of the NESSoS researchers are part of its steering committee. The possibility to steer the research topics of the school on the topics of the NoE is very useful and relevant.

- NESSoS also sponsored, together with other projects, the IFIP Summer School 2011 in September 2011 (Bruno Crispo – UNITN is the general chair). NESSoS researchers participated in this event as both organizers and lectures.

### 3.3 PhD and MsC Theses

NESSoS results and advancements are planned to produce a number of MsC and PhD thesis. Two PhD theses related to NESSoS were produced:


There are a number of PhD theses on working progress from all the partners and we expect that for the second year on, some of them will be submitted.
As for MsC theses some of them were presented by different partners. One of them was submitted at UDE

- “Security-relevant architectural decisions in the context of mobile applications” by André Diermann and supervised by Widuna Schwittek (in German)

IMDEA also produced a MsC thesis:

- “OCL4MySQL: Un compilador de OCL a MySQL” by Carolina Dania and supervised by Manuel Clavel and Marina Egea (in Spanish)

KUL presented quite a number of them related to the topics of NESSoS. They are as follows:

- “Architecture archeology” by Bernard Spitz (Promoters: Wouter Joosen and Riccardo Scandariato)
- “Federated management of large Scale computerinfrastructures” (in Dutch) by Joris Peeraer (Promoter: Wouter Joosen)
- “Protection of C programs against dangling pointer exploits” (in Dutch) by Vincent De Bruyne (Promoter: Frank Piessens)
- “Formele verificatie van Java Card Software met behulp van VeriFast” (in Dutch), by Jeroen Bastijns (Promoters: Bart Jacobs and Frank Piessens)
- “Formal Verification of Linux Kernel Modules”, by Willem Penninckx (Promoter: Bart Jacobs)
- “Self-protecting Modules”, by Ruben Vandevelde (Promoter: Frank Piessens)
- “Protecting mobile browsers against cross-site request forgery”, by Maarten Lambert (Promoters: Frank Piessens and Lieven Desmet)
- “Improving session security in web application”, by Bram Bonné (Promoters: Frank Piessens and Lieven Desmet)
- “Information flow enforcement voor web-applicaties” by Willem De Groef (Promoter: Frank Piessens and Lieven Desmet)
4 The Web Portal

4.1 Contents of the Web Portal

The web page of NESSoS (http://www.nessos-project.eu/) constitutes the most important way of disseminating the project outcomes, given that it is publicly available to interested followers and that it is updated regularly with new information about the project advances.

The Portal structure is divided into a public area, available to anyone, and a private area that is available only to NESSoS partners. The public area shows the overall status, with updated news about events and dissemination activities carried out by the partners, as well as detailed descriptions of the constituents of the projects, that is, information regarding the main building blocks of the Project (integration activities, research and spreading of the excellence). Also, a list of the core and associated partners involved in the project is provided. Furthermore, visitors of the portal can access the list of publications generated from the research activities and can view a detailed calendar of the past and incoming events related to NESSoS.

The private area of the portal allows partners to insert contents and to update information. A partner can upload a publication or a link to a web page, can include news regarding certain activities carried out in the context of NESSoS or it can create an event.

Furthermore, links to four important tools for the integration can be found in the integration area of the portal: the mobility program (http://www.nessos-project.eu/mbp), the Common Body of Knowledge (http://www.nessos-project.eu/cbk), the Service Development Environment (http://www.nessos-project.eu/sde) and the Virtual Education Center (http://www.nessos-project.eu/vec), a pillar for dissemination and education activities of the Project.

4.2 Statistics

Making use of the Google Analytics we have analysed the success of our web page. This tool gives us information about the profile of the visitors of the NESSoS web page, the countries where they visit the web site from or whether they were new comers or visited the site more than once. We have analysed data from the 15th of July 2011 (when we set up this functionality) to the 30th of September 2011 (end of the first periodic year report).

![Figure 1 Number of Visitors](image-url)
As it can be seen in Figure 1 the total number of visitors until the 30th of September has been 1194, where almost half of them correspond to the last month. The number of visits is increasing month by month as it can be deduced from this figure, receiving in the last month of the first year 48% of these visits.

Our web page received visits from different countries. A map with the distribution of the places where the NESSoS web page was accessed from can be seen in Figure 2.

![Figure 2 Geographic Distribution of the Visits to the NESSoS Web Page](image)

The visits came from 59 countries. As it can be expected some visits came from home countries of the NESSoS partners. However, even if this is the case, we can observe that our web page was visited from countries such as United States even more often than from those home of the partners. In this list we can also analyse the average time on site and the number of pages visited. A complete list of the countries accessing the NESSoS web page can be seen in Appendix B.

An important factor to consider is the sources for visiting our web page. If we observe Figure 3 we can see that the highest percentage of accesses to the NESSoS web page was through search engines what it might be interpreted as that the visitors heard about the project or learn about its existence an searched for it on any of the available search engines. An evidence of this is the fact that the most used word for searching for it was through the name of the project itself.

Also, as we are sponsoring and organization several key events and visitors to these events web pages have found the NESSoS web page (21.69%).
A matter of analysis of the efficiency of the web page as a dissemination tool is to check the number of new visitors vs. returning visitors. This can be seen in Figure 4. We have included these figures in a monthly basis. It could be expected that part of the returning visits are from NESSoS partners who reflect their activities on the web. In any case, we can see that the number of new visits is in every month higher than the returning ones. We believe that this is a sign that interested researchers or general public is being aware of the existence of the project and visit its web page.
Figure 4 New Visitors Vs. Returning Visitors
5 Dissemination Material

5.1 Community List
There are different mailing lists that have been set up for the purpose of communication in NESSoS. These lists are maintained by CNR and have been described in [D1. 2].

For the purpose of dissemination to external communities interested in the research done in NESSoS, we set up the list community@nessos-project.eu. This list is open to any person who would like to subscribe to it and being kept posted of the advances and events related to the project. Also, the newsletter described in Section 5.5 is being distributed through this mailing list.

Several members of NESSoS have distributed mainly calls for participation in conferences and events organized by the project. Most specifically we have distributed the call for papers for ESSoS 2012 and the announcement of the First Industry seminar to be held in October 2011.

So far, all the subscribers to the general NESSoS mailing list are subscribed to the community list, as well as the associated partners and the Industry Advisory Board members. Some other members of the list have been aware of the existence of NESSoS and have signed up directly from the project web site or by invitations that we have sent to them. These invitations have been sent to researchers in the area that might be interested in the topics of NESSoS and could also later contribute to a sustainable research once the community is built. Thus, the number of members of the community mailing list as for the 30th of September was of 106 people.

Our goal is to reach at least 250 people through this mailing list. Therefore, besides making the link to subscribe very easy at the web portal we are sending personal invitations to join the list to key researchers in the area. These key researchers are in some cases the contact persons of the external communities that partners expressed in [D4.1] that have contacts with.

5.2 Social Networks
NESSoS has created a Twitter account (nessos_project) in order to make the most relevant news and the evolution of the project visible to other NoEs, EU-projects and researchers. This is an important step towards a wide dissemination of the project given, on the one hand, the popularity of Twitter as a communication media, and on the other hand, that many EU-projects have their own Twitter accounts, allowing thus to follow their activities in both directions. We plan to use this account for communication purposes.

In the near future, integration with the web portal is expected in such a way that a web portal visitor can follow the project tweets by just clicking an icon in the portal. Furthermore, this integration would allow that every update of the portal will be seamlessly tweeted in Twitter, keeping NESSoS evolution effortless tracked and up-to-date.

As one of the main goals of NESSoS is the creation of a long-lasting research community we are investigating the creation of a forum for building such a community in a way that it could be used for exchanging information or ideas of the different actors participating in this community.

5.3 Templates
In order to achieve coherence and to strengthen the goal of integration, several templates have been defined to shape the general look of every document generated along the project. These templates are the following:
• Logo. The logo is available at the BSCW repository to be used for partners.

• **Deliverables templates:** both Word and Latex templates are available in order to be used in the production of the deliverables.

• **Slides template:** a PowerPoint template is available in order to achieve a unified vision of the material presented by all the partners during the plenary meetings and the reviews.

• **Review template:** the internal reviews present their own template suitable for making comments about the documents under review.

• **Report templates:** all the partners use these templates in order to introduce the efforts and work done during one quarter of year. These templates comprise a Word document for inserting a summary of the work carried out in the different work packages and an Excel file for inserting the spent resources in terms of Person Month.

5.4 **Leaflets and Poster**

The leaflet (see Appendix D) contains the basic information of the project to be checked at a glance. It is intended to be handed in whenever there is an event where NESSoS is represented. The leaflet includes a general description of the project and a simple picture of the main areas of research in Secure Service engineering that are covered by the project.

It also contains a brief explanation of the aims of the three main blocks that the project is split into, i.e.,

• Spreading of excellence
• Research
• Integration

The poster (see Appendix C) includes basically the same information that the Leaflet but a bit less detailed, since it is intended to provide just a very basic idea at a glance.

5.5 **Newsletter**

The Newsletter is intended to be distributed in the community mailing list in order to provide information about the advances and events related to NESSoS. Besides that, we intend to describe a different partner for every issue. This way, both core partners and potential external interested communities will know about the partner activities, interest, and research, in order to set up synergies and the breeding ground for joint works. It can be seen in Appendix E.
6 Managing Public Awareness

The overall target audience for the dissemination was identified within the academic and industrial communities, in addition to international standard bodies and, finally, the general public. In particular, the intent was to reach the community of researchers and practitioners that operate in the area of software engineering at large, with special attention to the areas of security, software protection and service engineering.

The activities targeted to academic audiences were centered primarily on presentations and article submissions to conferences, workshops, and journals, as these venues, being subject to rigorous peer-review, give increased credibility and visibility to the outcomes of the project that, in turn, encourages their adoption.

Several conferences and journals were identified as representing the primary means of dissemination of the results obtained in the NESSoS project.

For publication on archival journals, the preference was given to highly respected and influential journals, with peer review and international audience, such as those of the ACM and IEEE.

Additional journals were selected for their reputation and readership within specific areas, in an attempt to reach the specific audiences outlined earlier on.

The dissemination aimed also to reach a wide public, no academic and no industrial, through press releases. In Italy an article about the NESSoS project has been released on Il Sole 24ore - a newspaper that reports on business, politics, and developments in commercial and labour law, corporate news and features. Also, Fabio Martinelli (CNR) had an interview in the Italian national radio on the threats in Internet services and presented the NESSoS activities. He also presented these NESSoS activities on the newsletter of the Italian National Platform for Homeland Security (SERIT).

The activities targeted to industrial audiences have been also driven partly by exposure to industrial members during conferences and workshops. In addition, direct contact with industry by all project partners was considered as a valid channel to disseminate the project’s result and general approach. In this context, during the FIA week in Poznan, the first NESSoS industry Forum will take place, together with the SERVICEWAVE conference.

Also, INRIA is taking some actions towards this aspect. Their strategy closely combines scientific excellence with technology transfer and it develops collaborations with the economic world through strategic industrial partners by having created around 90 companies since 1984.

In more detail, INRIA implements a number of supporting actions to promote technology transfer toward industry, including SMEs. These actions may directly be exploited toward disseminating and possibly transferring NESSoS-related research in industry, targeting primarily French industry fora.

INRIA actions aimed at supporting industry transfer include:

- In close collaboration with French Competitiveness Clusters (http://competitivite.gouv.fr/), INRIA organizes the INRIA-Industry workshops so as to raise awareness about public research in industry, including SMEs. INRIA further organizes the iMatch workshops to foster interaction between INRIA researchers and SMEs.
- INRIA together with OSEO (http://www.oseo.fr/) publishes the CONNECT innovation magazine (http://www.inria.fr/en/innovation/inria-smes/magazine-connect) to promote public research in industry and especially SMEs.
• Since 2010, INRIA has put in place a serie of seminars called "strategic marketing" in order to structure its vision of industrials challenges in relevant sectors, such as embedded systems, bio-informatics, smart grids, mobile applications, etc.
• By extension, INRIA also supports focused communication action as well as business intelligence undertakings toward fostering industry transfer on targeted industrial sectors.

For the dissemination to a more general audience the use of the project website (http://www.nessos-project.eu) was deemed the most adequate and effective venue to reach a large number of potentially interested people. The website was designed to introduce the objectives and results of the project to people and organizations of varying background and has attracted a fair number of visitors. The website was regularly updated to provide feedback on the project progress, discoveries, publications and events.

The presentations at events such as for i.e. the “ESSoS 11” conference in Madrid (preceded by the NESSoS plenary meeting) and the “POLICY 11” conference in Pisa (Italy) were considered as a very good venue to reach wide academic, industrial and general public audiences.

In the second year there is going to be an Advisory Board which is meant to look back at the results and to look further to new results with representative of the EU, national authorities, research groups, groups of interests from the industry.

Although the following activities should be more correctly counted as part of the (internal) coordination activities, one should not forget the activities that were required for the internal dissemination of the progress and results, to synchronize the efforts and make the various partners of the NESSoS project aware of software that has been made available by one group to be used within the project. These activities – that are reported elsewhere – included the NEB (Network Executive Board) conference calls and the face-to-face meetings that took place whenever the need arose, in addition to the quarterly plenary meetings.

Additional functionalities have been added to the NESSoS website and the BSCW repository to allow regulated access to external people interested in Engineering Secure Software Services and the NESSoS project.
7 Conclusions

This deliverable shows the dissemination activities and material that have been produced during the first year of existence of NESSoS.

As part of the dissemination activities we have shown that the number of publications has been 70 for this year.

The other dissemination activities range from presentations of NESSoS in different forums to invited talks or lectures about NESSoS topics. NESSoS members have been involved in the organization of numerous events, some under the auspicious of the project and some others related to the topics of NESSoS.

As for dissemination material we have designed a poster to be presented in adequate forums and a leaflet to be handed in whenever necessary. These two documents contained all the basic information about the project to be seen at a glance. An important way for dissemination is the use of the community list. We are in the process of enhancing it by inviting potential interested people to join.

However, the main and more visible way for dissemination is the web page. This page contains all the information about dissemination activities and publications. We have shown an analysis done on the statistics of it.

Finally, we have presented the plan for managing public awareness and the first attempts that have been carried out.
REFERENCES

[D1.2] D1.2. NESSoS Joint Virtual Research Lab

Appendix A: Publications


- Karopoulos, G. & Martinelli, F (2011). IMS session management based on usage control. In 8th FTRA International Conference on Secure and Trust Computing, data management, and Applications


In Proceedings of SESS 2011

Attribute Freshness on Decision Making in Usage Control. In STM. Springer


Joint Publications


Appendix B: The Web Portal

<table>
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<tr>
<th>Country</th>
<th>Visits</th>
<th>Percentage</th>
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<tr>
<td>Portugal</td>
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</tr>
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<td>Israel</td>
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<tr>
<td>Ukraine</td>
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Appendix C: Dissemination Material: Poster

project description
NESSoS aims at constituting and integrating a long lasting research community on engineering secure services and systems. The project addresses security concerns during the early phases of the development lifecycle of software services and systems, thus contributing to reduce the amount of vulnerabilities and enabling the systematic treatment of security needs through the engineering process. Results are achieved by an integrated and harmonized research programme, by improving the necessary assurance level and by addressing risk and cost during development phase. In order to prioritize and manage investments, NESSoS also impacts training and education activities in Europe, and collaborate with industrial stakeholders to improve the industry best practices and support a rapid growth of software-based service systems for the Future Internet.

spreading of excellence
NESSoS partners are committed to spread their knowledge and research results to the multitude of interested stakeholders, in both academia and industry. Communication about the foremost impact and progress for Europe also targets a wider audience. The main activities for spreading excellence are dissemination & communication, education & training, and exploitation & standardization.

integration
Joint Virtual Research Lab
Integration of existing partners infrastructures

Tools & Methodologies
Partners will work towards connecting their methodologies and tools

Mobility Program
Integration of the partners will leverage on a wide mobility program

Road-mapping and Community Building Efforts
Integration of scientific communities: security, software & services engineering

Knowledge Portal
Composed of research findings and industrial best practices

research
Requirements modeling support for Future Internet applications

Develop design methods to enable the creation of a secure architecture

Support to enforce complex security policies on Future Internet applications

Enable assurance in the development of software based services to ensure confidence about the security level

Identify engineering processes that optimize value-for-money in terms of minimizing risk, while keeping cost low and justified

The NESSoS research is driven and validated by using Future Internet Application Scenarios

contact
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50124 Firenze - IT
Tel: +39 055 315 3425
Fax: +39 055 315 2613

Nessos - 256980
Appendix D: Dissemination Material: Leaflet

Network of Excellence on
Engineering Secure Future Internet
Software Services and Systems

Creating a long standing research community

Project co-funded by the European Union under
the Information and Communication Technologies (ICT) theme
of the 7th Framework Programme for R&D contract n. 256980.
project description

NESSoS aims at constituting and integrating a long lasting research community on engineering secure services and systems.

The project addresses security concerns during the early phases of the development lifecycle of software services and systems, thus contributing to reduce the amount of vulnerabilities and enabling the systematic treatment of security needs through the engineering process. Results are achieved by an integrated and harmonized research programme, by improving the necessary assurance level and by addressing risk and cost during development phase, in order to prioritize and manage investments. NESSoS also impacts training and education activities in Europe, and collaborate with industrial stakeholders to improve the industry best practices and support a rapid growth of software-based service systems for the Future Internet.

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research

Requirements
modeling support
for Future Internet
applications

Develop design methods to enable
the creation of a secure architecture

Support to enforce complex security policies on
Future Internet applications

Enable assurance in the development of software based
services to ensure confidence about the security level

Identify engineering processes that optimize value-for-
money in terms of minimizing risk, while keeping
cost low and justified

The NESSoS research is driven and
validated by using Future Internet
Application Scenarios
consortium

 coordinat or

dr. Fabio Martinelli fabio.martinelli@iit.cnr.it

tel. +39 050 315 3425
fax. +39 050 315 2113

IIT - National Research Council
Via Giuseppe Moruzzi, 1 - 56124 Pisa - IT

start date 01 October 2010
end date 31 March 2014

Project Funding 3,800,000 Euro

website
www.nessos-project.eu
Appendix E: Newsletter

Newsletter, August 2011

Summary of past and future NESSoS events

The NESSoS engineering of secure software services is based on the principle of addressing security concerns from the very beginning in the system analysis and design, contributing thus to reduce the amount of system and service vulnerabilities and enabling the systematic treatment of security needs through the engineering process. In light of the unique security requirements the Future Internet will expose, new results will be achieved by means of an integrated research, as to improve the necessary assurance level and to address risk and cost during the software development cycle in order to prioritize and manage investments.

NESSoS will integrate the research labs involved; NESSoS will re-address, integrate, harmonize and foster the research activities in the necessary areas, and will increase and spread the research excellence. NESSoS will also impact training and education activities in Europe to grow a new generation of skilled researchers and practitioners in the area. NESSoS will collaborate with industrial stakeholders to improve the industry best practices and support a rapid growth of software-based service systems in the Future Internet.

LAST MEETING REPORT

Last meeting took place in Trento and was hosted by the University of Trento, from 29th to 31st of August 2011. We discussed about the state of the deliverable due at the end of Y1, that is, September.

As a key part of the meeting we discussed the roadmap activities. NESSoS is committed to develop a roadmap in the area of Secure Service Engineering that will sustain the basis for future European research in the area for the forthcoming years.

NESSoS aims at constituting and integrating a long lasting research community on engineering secure software based services and systems.
PARTNER OF THIS ISSUE

NESSoS partners have a strong interest in spreading the knowledge and research results to the scientific community at large and to the multitude of interested stakeholders in both the academia and the industry.

Each issue of this newsletter will introduce one of our partners, presenting its involvement into the NESSoS project.

Atos is an international information technology services company with annual revenues of EUR 8.7 billion and 78,500 employees in 42 countries. Serving a global client base, it delivers hi-tech transactional services, consulting, systems integration and managed services. Atos is focused on business technology that powers progress and helps organizations to create their firm of the future. It is the Worldwide Information Technology Partner for the Olympic Games and is quoted on the Paris Eurolist Market. Atos operates under the brands Atos, Atos Consulting, Atos Worldline and Atos WorldGrid.

Atos S.A.E. is the Spanish branch of this leader European IT services Company. Atos is a founding member of the European Technology Platform NESSI (Networked European Software and Services Initiative). At national level, Atos is also participating in other technology platforms like eMOV for mobility, eSEC for security, PROMETEO for embedded systems and INES for software and services.

Atos Research & Innovation, node of R&D of Atos in Spain, is a point of world reference in innovation for the whole Atos group. It is focused in the project accomplishment, which combine the most advanced Technological developments and the economic exploitation of results in R&D. Our aim is to lead our knowledge and experience acquired to concrete projects with clients. Atos Research & Innovation department concentrates on the realisation of international projects within the Consulting & Public Sector Division since 1989, combining the most up-to-date technological developments with a high awareness of the human factors (education sciences, disability-related issues, cultural diversity and multilinguality).

WP I: “JOINT VIRTUAL RESEARCH LAB INFRASTRUCTURE”

Each issue of this newsletter will present our work in one of the work packages of the NESSoS project.

The main objective of this work package is to provide the infrastructure for the operation of the Joint Virtual Research Lab. This constitutes the main infrastructure for collaborative working and as backbone of the NoE activities.

Establishment of a common technical infrastructure for collaborative working inside the NoE.

Creation of the infrastructures for the activities for the NoE as Web Portals (for internal and external interaction), administration tools, communication tools (as tele-conference facilities), sharing of technical expertise, as well as databases, digital libraries, etc...

Creation of a test-bed for the integration, experimentation and implementation of Future Internet services.

Establishment of the technical infrastructure and human competencies for the NESSoS Virtual Education Centre, including audio/video machinery for creation of multimedia, information and audio/visual support for lectures and demonstrations.

Creation of a Web Portal for the sharing of the integrated knowledge acquired and produced by the NoE.
Meetings and Conferences

Madrid, Feb 2011

On May we had a meeting that took place in Madrid from 7th to 9th of February 2011. This meeting was co-located with our flagship conference, ESSoS’11.

Our project officer was invited to give a keynote talk for ESSoS and he joint our meeting project. We presented him some initial work that was being carried out in order to develop a roadmap for secure software engineering. His comments and the ones from the partners were very fruitful for the development of the document as it is now.

Oslo, June 2011

The last plenary meeting of NESSoS took place in the SINTEF premises in Oslo (Norway) from June the 20th to the 22nd. Partners discussed the work carried out so far for the different WPs and agreed on the contents that the deliverables due on Month 12 should have. The NEB of NESSoS also held a meeting during these days.

This meeting set the structure and details of the first review of the project as well as the location for the GA meetings to be held in 2012. The first version of the roadmap for the area of secure software engineering was presented during this meeting.

Trento, August 2011