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nSHIELD

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Glossary

Please refer to the Glossary document, which is common for all the deliverables in nSHIELD.

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1 Introduction

In collaborative research projects with partners from research and industry, dissemination of results plays a major role. Dissemination will ensure the optimal utilisation of the project results and accelerate the adoption of nSHIELD results in the growing European markets of embedded systems.

nSHIELD pays a special attention to dissemination activities, confirmed by the will to contribute in embedded SPD technology and middleware services diffusion, especially within the research test-beds scenario. The dissemination activities will therefore combine complementary actions that altogether should constitute an efficient relay of information towards the market and decision making entities (governments, standardization fora), research and technical community and end users; the wish is also to place the project in the overall European strategies aimed at taking benefit from increasing diffusion of wireless technologies as a concrete alternative to the wired ones.

The objective of the dissemination plan is to identify and organize the activities to be performed in order to achieve the widest dissemination of knowledge from the project. The plan is expanded in two directions: towards the marketing activities in order to enhance the commercial potential of the results and towards the notification of project's results in the scientific, the Artemis JU and the sectors involved. Dissemination is a horizontal activity and concentrates on disseminating the results of nSHIELD project itself to a wide range of existing or potential stakeholders.

This documents provides a detailed dissemination plan identifying target groups and methods to approach these groups (e.g. industrial and public stakeholders, interest groups, organizations and associations, customers and the like). It describes the foreseen nSHIELD project dissemination activities, including, among others, the publication of papers, conference presentations, education and training, demonstrations, meetings with industrial representatives, and publication of newsletters and website. The dissemination plan could be updated periodically.

In order to disseminate the nSHIELD project and the project results, the following channels have been identified. Some of these channels target a broad audience, for instance, the public web site, while others are specifically tailored to one of the targeted groups.

- Media Channels
    - Logo
    - Project Web sites
    - Press-releases
    - Brochures
    - Flyers
    - Posters
    - Newsletter
    - Mailing lists
    - Teleconferences
    - Wiki
- Presentations at scientific and industrial-oriented conferences

- Articles in scientific and professional journals, and magazines having the scope addressing a wider interested community and public
- Organization of seminars and workshops
- Master and doctoral thesis
- Invited talks and lectures
- Visits
- Tutorials
- Education & Training (E&T) activities
- Cooperation with other projects
- Interaction with/membership in national and international standardization groups and committees

2 Identification of target stakeholders

This overview will provide a list of key international/European organisations and national bodies with a strong international profile. In addition it is envisaged that the project partners would disseminate findings to their national contacts that would then carry on with local information (also in national languages). This will be facilitated with centrally developed inventories and overviews. The consortium will develop an international interest group list with the information of the main target stakeholders per country in order to inform them about the results and work carried out in nSHIELD project.

Main target stakeholders of nSHIELD to be addressed are:

- Standardisation bodies: International standardisation organisations such as: CEN/Cenelec/ETSI/ IEEE, etc.) and national such as: AENOR, DIN, SFS, UNI, NEN they develop and establish product and/or process standards to be followed by platform producers and application developers.

- Certification entities: (EEPCA - Professional Association of the European Certification Bodies, EECC The European Certification Council, etc.) provide confidence to users that a certain element of the nSHIELD platform is produced and/or operated according to a defined set of practices or standards.

- Embedded systems suppliers, installers and service providers through national, European and international associations related with the technologies developed in the project. (Such as: DMASS - Distributors' and Manufacturers' Association of Semiconductor Specialists; EDAA – European Design and Automation Association; ESA – European Software Association).

- Hardware producers: providing the hardware components (from individual CPUs to servers, etc.) on which the software platform can run.

- Peripheral equipment producers: providing all kind of devices that complement the basic functionality of the platform.

- Application developers: producing systems that run on the platform infrastructure and address user needs.

- Security solution providers: providing security mechanisms that take into account the resource-constrained nature of embedded systems.

- Content providers: is an important complement especially in media-oriented platforms.

- Methodology/tool providers: making available developing methodologies, environment and tools for application developers and content providers.

- Training providers: provide training to qualify developers and other professionals to work with the nSHIELD Platform. Such as: Universities, RTD and devoted training organisations.

- Local Authorities & National/Regional Public Bodies are key players as policy makers, favourable legislative framework creation, public procurement…

- Clients and users (citizens): key actors interested in cooperative working systems or applications providing their perspectives in the formulation and assessment of the project results in aspects such as, design for all, adaptability for the future and value procurement through and new business models, such as Euroconsumers.

- Other related projects and platforms.

3 Internal dissemination

Effective internal dissemination among the project partners ensures that results are known by all partners, therefore enabling collaborative work: partners can achieve further results using preliminary results by other partners, work in not repeated, etc. This, in turn, aids addressing the overall nSHIELD objectives. Therefore, clear channels of communications between the project partners themselves as well as with the wider community will play a crucial role in the success of the project. The internal communication infrastructure must include provision of convenient and appropriate mechanisms for facilitating the free flow of information (strategy, administrative and practical) across nSHIELD partners.

Nr	Methods of approaching / Communication methods
1	Mailing lists
2	Teleconferences
3	Project Wiki
4	Face to face meetings

Table 1 – Summary of internal dissemination/communication actions

3.1 Mailing lists

Mailing lists have already been created to ease the exchange of information internally within the project consortium. Currently, one mailing list per WP has been created as well as one for all the WPs, one for WP leaders, one for TCM members and finally one for administrative contacts. The following list shows the addresses:

- WP1@newshield.eu
- WP2@newshield.eu
- WP3@newshield.eu
- WP4@newshield.eu
- WP5@newshield.eu
- WP6@newshield.eu
- WP7@newshield.eu
- WP8@newshield.eu
- WP-ALL@newshield.eu
- TMC@newshield.eu
- WP-leaders@newshield.eu
- Administrative@newshield.eu

For external communication, various mailing lists of partners will be used by them for distribution of newsletters or related material.

3.2 Teleconferences

Teleconferences within the project consortium have proved to be an efficient way for project discussions already in the project proposal preparations. Teleconferences are scheduled in a regular basis, as well as extraordinary teleconferences will take place if needed. These teleconferences serve as means for clarifying issues of the project as a whole (PMTC, progress status), within work packages as well to clarify dependencies and facilitate interactions between work packages. The Wiki page of the project provides an interface to organize teleconferences as needed.

3.3 Wiki

Apart from project meetings, teleconferences and emails, the consortium has deployed a Wiki to better share information and documents.

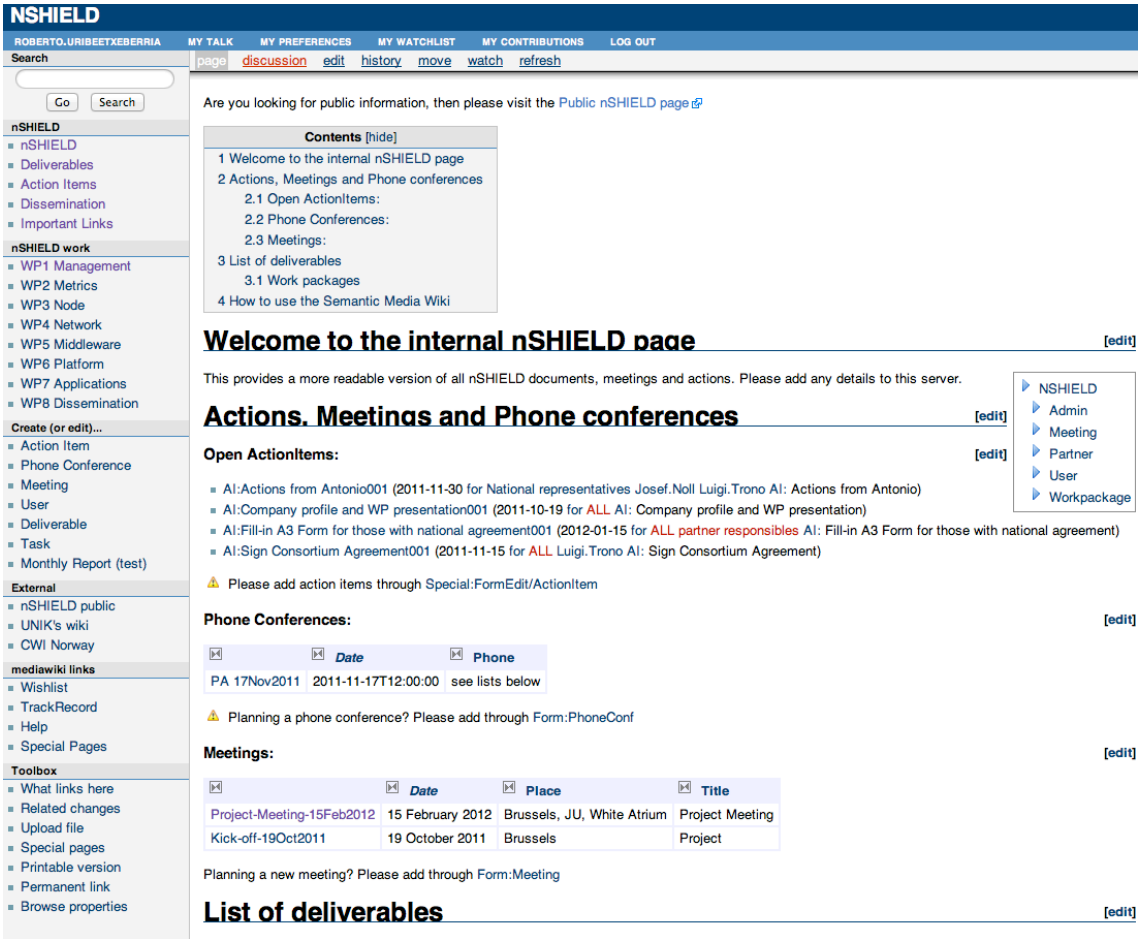

Figure 1 View of http://nshield.unik.no/wiki

3.4 Face to face project meetings

Members of the project Consortium or participants of a single Work Package will also hold face to face meetings for mutual work whenever direct personal communication is necessary, because it would speed up work and decisions. Such meeting would be organized by Work Package leaders or assigned partners to have workshop sessions regarding topics to be

discussed, to evaluate contributions of multiple partners, to prepare project deliverables, etc. The Wiki page of the project provides an interface to organize meetings as needed.

4 General communication actions

Production of brochures and setting up of a web portal, developed for providing also a centralized access to the services, contact names, and project's documentation has been foreseen. The web portal will represent a key feature of project dissemination activities involving also the diffusion of studied and developed SPD metrics. Therefore, the aim of nSHIELD project is to become a point of reference both at technological and validation level through the dissemination of innovative techniques for the assessment of ESs based applications as well as through the presentation of obtained SPD modules performance.

The use of the above mentioned channels is often related to the maturity of the project results. Thus, a public website and the wiki have already been created, while presentations and articles are planned for later stages of the project when interesting results are available.

Nr	Methods of approaching / Communication methods
1	nSHIELD website
2	Social networks
3	Summary report
4	Newsletters partners/organisations
5	Press release (EU Policy Press)
6	Press release (General Press)
7	Development of promotional material. Project poster, brochures, leaflets

Table 2 – Summary of general communication actions

4.1 The nSHIELD logo

Figure 2 The nSHIELD logo.

The nSHIELD project "new embedded Systems arcHItecturE for multi-Layer Dependable solutions" is the continuation of the pilot project named pSHIELD. Both, the new and the pilot projects logos take advantage of the word and image of a "**shield"** representing the security concept (Shield: protection, guard, defense, cover, screen, security, shelter, safeguard, protector).

4.2 Project Website

A new public website that has been created for nSHIELD and the following domain has been registered (http://www.newshield.eu/). The web site provides information regarding the objectives of the project, the partners forming the project consortium, and the public project

deliverables. Press-releases will be also be available in the web site, later a news-section reporting on achievements and dissemination activities.

In any case the nSHIELD website should be considered as the core tool for diffusion of information. As a principle all partners' websites should have a visible link to the website. Getting external links from relevant websites will also be sought.

Google analytics is being used to monitor the activity in the website.

Figure 3 View of the www.newshield.eu homepage

The site has five sections so far:

- News: with latest news related to the project
- Events: events of interest for partners and target groups
- Publications: related to the project such as press releases, scientific papers…
- Partners: description of each partner and role in the project.
- About nSHIELD: general information about the project.

There is also a contact form and some external links to social media and the Wiki.

All partners will contribute to the website with relevant content.

4.3 Social networks

4.3.1 Twitter

A twitter profile has been created: **@nSHIELD_eu**

Figure 4 Screenshot of the twitter account

4.3.2 LinkedIn

A LinkedIn group has been created: http://www.linkedin.com/groups/nSHIELD-Security-embedded-systems-4314379?trk=myg_ugrp_ovr

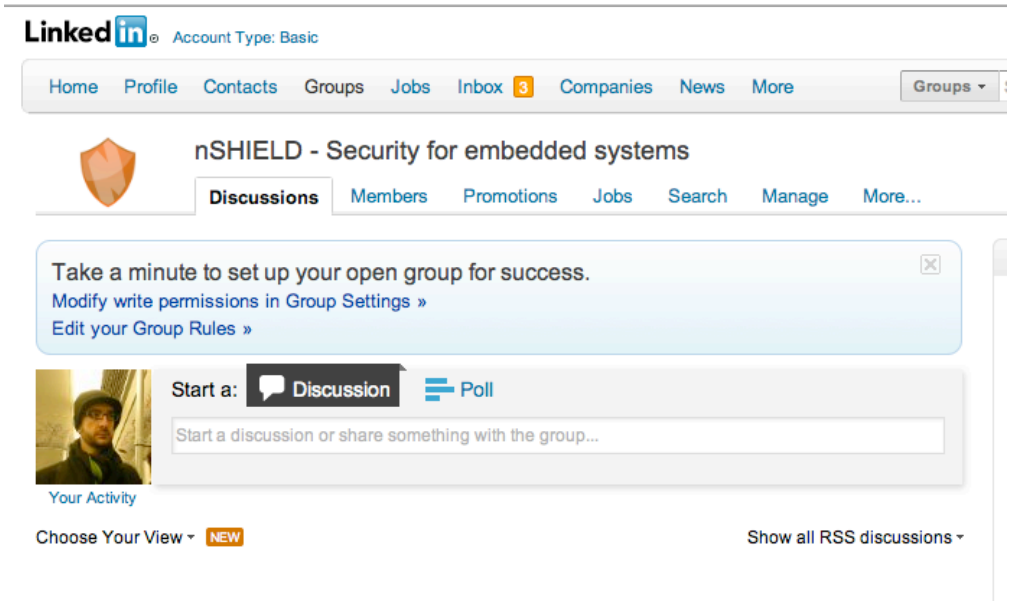

Figure 5 Screenshot of the LinkedIn group

4.3.3 Slideshare

The slideshare account created by the consortium can be found in the following link: http://www.slideshare.net/newshield

Figure 6 Screenshot of the slideshare account

4.3.4 Youtube

The youtube account created by the consortium can be found in the following link: http://www.youtube.com/user/newshield

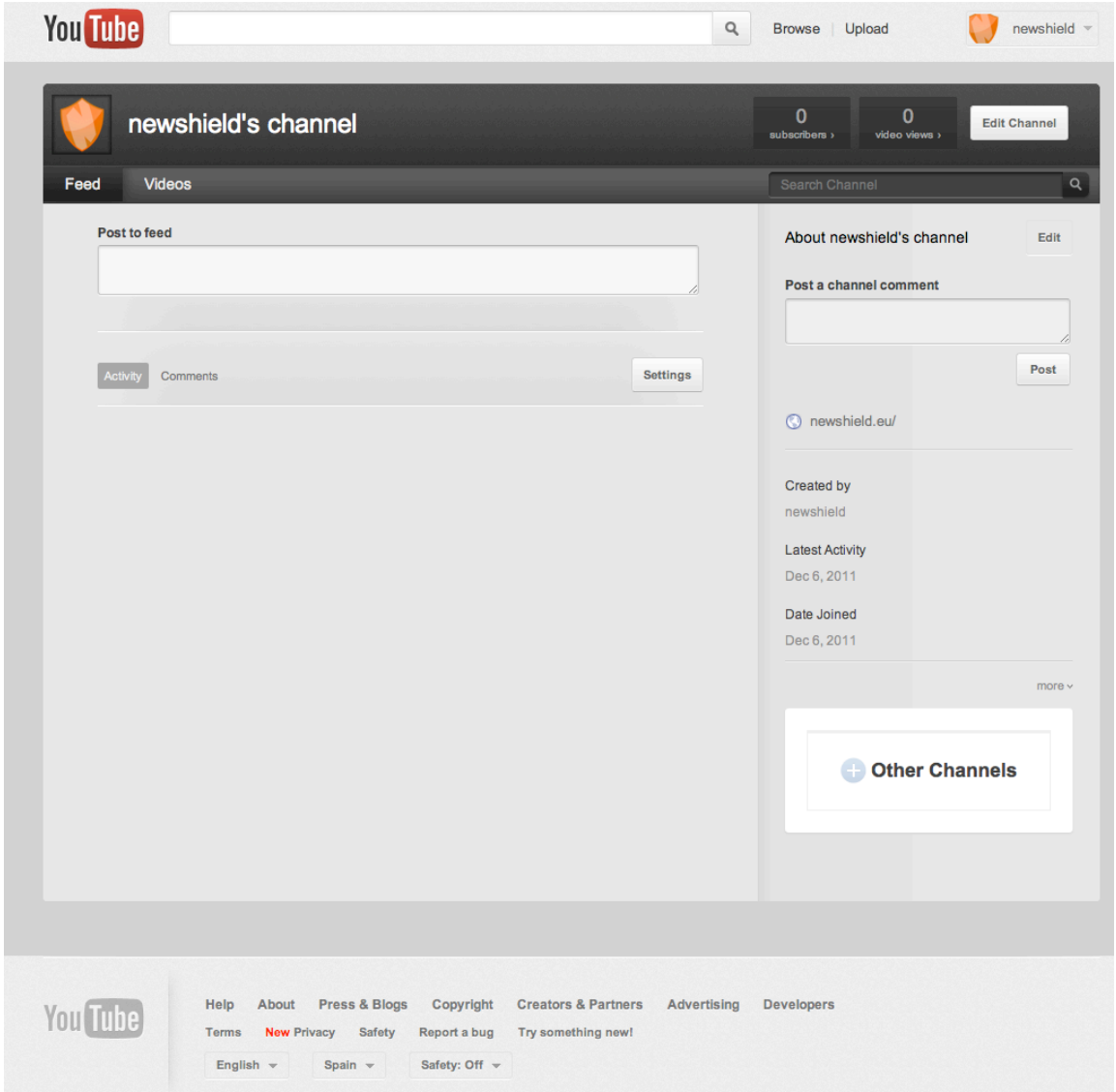

Figure 7 Screenshot of the youtube account

4.4 Summary report

nSHIELD partners will prepare and spread a nSHIELD **summary report**. The summary report will represent an easy and effective dissemination of the project strategy not only towards ARTEMIS community (each ARTEMIS member will receive a copy of it) but also at local, regional and national level. In fact, each partner will be invited to spread the summary report within its national borders both and institutional and industrial level aiming at disseminating the good practices and relevant results obtained by nSHIELD. Thus activity will promote the development of new nSHIELD-based or nSHIELD-oriented ESs applications by industries involved in the project as well as the definition of SPD-oriented policies in the design of ESs from local, regional and national authorities

4.5 Newsletter

One of the dissemination mechanisms will be the publication of a **Newsletter** that will be sent to project interest group (industrial professionals, research institutions, universities, public institutions and other organizations with potential interest in nSHIELD). All the partners will participate in the preparation of newsletters (with news and activities). Contact by means of the Newsletter will facilitate the detection of some of the members of the Interest Group. All of the partners will participate in the distribution of this document in their countries of origin and to other international contacts. Newsletter of their own companies can be used for that purpose.

#	Title	Language	Partner in charge
1	Boletín Global de Noticias	Spanish	ISL
2	Tulankide (Mondragon Corporation)	Spanish/Basque	MGEP
3	Muniversitas (Mondragon University news)	Spanish/Basque	MGEP
4	Visione Magazine	English/Italian	SG
5	Technical University of Crete News	Greek	TUC
6	Unige.news	Italian	UNIGE

Table 3 – Newsletters where nShield results will be published

4.6 Press releases

Other dissemination mechanisms will be periodic **press releases** for the media from each country that will make the punctual diffusion of the project's progress. On each occasion, a generic version will be prepared by the project coordinator and distributed to the different partners for its adaptation to each specific context and for later distribution. This initiative should result in improving our project's impact on the general interested people.

4.7 Brochures, Flyers and Posters

The preparation of **Flyers** and **Brochures** that facilitates contact with the interest group of the nSHIELD platform, briefly, simply and quickly explaining what nSHIELD is and in what environments it could be useful with both text and images. This material will be of great use in piquing the interest of the public and private powers, many times responsible for making decisions but not experts in the project´s disciplines, regarding the uses and benefits of the technology and content obtained in the project. **Posters** used in workshops, fair or other events will be made available in the nSHIELD website.

5 Industrial and scientific dissemination

In addition increasing of general dissemination activities for the project the intensification of scientific dissemination in international events is a key objective for the success of the project. All the industrial nSHIELD partners will focus their actions on industrial dissemination by organising and participating in workshops or fair for example while the partners of an academic nature will make an effort to participate in events and to publish specialized articles with more scientific content.

The scientific events will be selected taking into consideration the inclusion of activities of the different disciplines involved in the project. The participation in international events will increase the dissemination of results in European countries that are not present in the consortium as well as in other parts of the world.

Nr	Methods of approaching / Communication methods
1	Workshops, seminars and exhibitions
2	Publications: journals and conferences
3	Organization of seminar and workshops
4	Master and doctoral thesis
5	Education & Training (E&T) activities
6	Cooperation with other projects
7	Participation in standard and industrial fora working groups

Table 4 – Summary of industrial and scientific dissemination actions

5.1 Workshops, seminars and exhibitions

Participation to IST cluster events and European concentration meetings (ARTEMIS), participation in workshops and conferences organized by IST, and other important international organization like IEEE will represent another key dissemination activity for nSHIELD partners. Moreover, each academic partner, by means of publications of obtained innovative scientific results, will promote and spread nSHIELD SPD features through the organization of seminars in their respective university. As well, every year, a nSHIELD workshop will be organized by coordinating institution and partners in order to share with the scientific community and with ESs stakeholders achieved results. Nevertheless, such a sharing of innovative strategies in the design of ESs will lead to a continuous refinement of nSHIELD implementation influencing the development of the proposed architecture both at market innovation and market impact level.

#	Title	Period	Link
1	Artemis/ITEA2 co-summit	Annual	http://www.artemisia-association.org/cosummit2011_home
2	Artemis Spring Event	Annual	http://www.artemis-ia.eu/se2012
3	Workshop on Cryptographic Hardware and Embedded Systems (CHES)	Annual	http://www.chesworkshop.org/
4	Workshop on RFID Security (RFIDSEC)	Annual	http://www.rfid-sec.org/
5	ExpoSec 2012 - Homeland & Corporate Security Conference & Exhibition	Annual	http://www.tsomokos.gr/projects2.php
8	Selex Galileo CTO workshop	Annual	Internal
9	Military Communications Conference (MILCOM)	Annual	http://www.milcom.org/
10	IEEE Wireless Communications and Networking Conference (WCNC)	Annual	http://www.ieee-wcnc.org/
11	Wireless Innovation Forum Conference on Communications Technologies and Software Defined Radio (SDR-WInnComm)	Annual	http://conference.wirelessinnovation.org

12	IEEE International Conference on Advanced Video and Signal based Surveillance (AVSS)	Annual	http://www.avss2012.org/
13	International Conference on Safety and Security Engineering (SAFE)	Annual	http://www.wessex.ac.uk/11-conferences/safe-2011.html
14	IEEE International Symposium on Antennas & Propagation (ISAP)	Annual	http://www.isap12.org/
15	IEEE Vehicular Technology Conference (VTC)	Annual	www.ieeevtc.org
16	Workshop on Embedded Systems Security	Annual	http://www.wess-workshop.org/
17	CeBit, RFID-World, Hannover Trade Fair, RFID-Summit Vienna, DATE, ECRTS, and IWCMC	Annual	http://www.cebit.de/en/information-for/visitors/welcome-to-cebit-2012/bienvenidos-a-cebit-2012-spanish

Table 5 – Selected workshops, seminars and exhibitions for dissemination

#	Title	Dates	Language	Link
1	Annual nSHIELD workshop	November 2012	English	www.newshield.eu
2	XII Spanish Meeting on Cryptology and Information Security	44-7 September 2012	Spanish/ English	http://recsi2012.mondragon.edu/en
3	SICS Workshop on Virtualization and Verification for Security	12 April, 2012	English	www.sics.se/security2012
4	IEEE SPS Italy Chapter opening day	19 March 2012	English/ Italian	http://web.vtools.ieee.org/wibp_home/index/CH08727
5	GTTI Multimedia Signal Processing Annual Meeting	19-21 March 2012	English/ Italian	http://www.isip40.it/gtti.mmsp2012
6	EMJD ICE Summer School 2012	1-7 September 2012	English	http://www.icephd.org/

Table 6 – Organization of seminar and workshops

5.2 Publications

Project results will be disseminated by paper submissions to major European and worldwide journals and reviews. The nSHIELD consortium has already identified some related conferences and journals that could be exploited for this purpose. Here we list the main conferences and journals of interest for nSHIELD:

#	Title	Period	Language	Link
1	IEEE Transactions on Software Engineering	Monthly	English	http://www2.computer.org/portal/web/tse/
2	ACM Transactions on Software Engineering Methodology	Monthly	English	http://tosem.acm.org/
3	International Journal of Software Engineering & Knowledge Engineering	Every 2 months	English	http://www.worldscinet.com/ijseke/ijseke.shtml
4	IEEE Software	Every 2 months	English	http://www2.computer.org/portal/web/software/
5	Logistics Research	Half-yearly	English	http://www.bvl.de/8049_1
6	Transportation Science	Quarterly	English	http://www.informs.org/site/TranSci/
7	Naval Research Logistics	Monthly	English	http://www.nrljournal.com/
8	International Journal of Shipping and Transport Logistics (IJSTL)	Quarterly	English	http://www.inderscience.com/browse/index.php?journalCODE=ijstl
9	Maritime Policy & Management	Every 2 month	English	http://www.tandf.co.uk/journals/titles/03088839.asp

10	Transport Review	Every 2 month	English	http://www.tandf.co.uk/journals/tf/01441647.html
11	RFID im Blick	Monthly	German	http://rfid-im-blick.de/index.php
12	RFID Update	daily	English	http://www.rfidupdate.com/
13	RFID Journal	Every 2 month	English	http://www.rfidjournal.com/
14	SMART Mag	Monthly	German	http://www.smartmag.de/
15	SMART Solutions 200x	Yearly	German	http://www.rfid-ready.de/printausgabe-smart-solutions.html
16	Logistik Journal; Transportlogistik		German	http://www.logistik-journal.de
17	Internationales Transportjournal	Every 2 weeks	German/ English	http://www.transportjournal.com/
18	Journal of Commerce		English	http://www.joc.com/
19	IEEE Transactions on Computer		English	http://www.computer.org/portal/web/tc/about
20	IEEE Transactions on Reliability	Yearly	English	http://rs.ieee.org/transactions-on-reliability.html
21	IEEE Embedded Systems Letters		English	http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5339273
22	ACM Transactions in Embedded Computing Systems (TECS)		English	http://www.google.es/url?sa=t&rct=j&q=&esrc=s&source=web&cd=7&cts=1331198238184&ved=0CGwQFjAG&url=http%3A%2F%2Fwww.scopesconf.org%2Fscopes-04%2FCfP_TECS.pdf&ei=XnhYT9D2F-Oq0QW4qpHADQ&usg=AFQjCNHYnBk40kI9GSXpELNM6HcPDPN1ZA
23	IEEE Transactions on Signal Processing		English	http://www.signalprocessingsociety.org/publications/periodicals/tsp/
24	IEEE Signal Processing Letters		English	http://www.signalprocessingsociety.org/publications/periodicals/letters/
25	IEEE Transaction on Circuits and Systems I	Monthly	English	http://ieee-cas.org/publications/transactions-on-circuits-and-systems-i-regular-papers
26	IEEE Transaction on Circuits and Systems II	Monthly	English	http://ieee-cas.org/publications/transactions-on-circuits-and-systems-part-ii-express-briefs
27	IET Information Security	Every 3 months	English	http://digital-library.theiet.org/IET-IFS
28	IET Circuits, Devices & Systems	Every 2 months	English	http://digital-library.theiet.org/IET-CDS
29	IEEE Transaction Consumer Electronics	Every 3 months	English	http://www.ewh.ieee.org/soc/ces/publications_trans_ce.html
30	Journal of Systems Architecture	10 issues per year	English	http://www.journals.elsevier.com/journal-of-systems-architecture/#description
31	Computers & Electrical Engineering	Every 2 months	English	http://www.journals.elsevier.com/computers-and-electrical-engineering/#description
32	Journals of Systems and Software	monthly	English	http://www.journals.elsevier.com/journal-of-systems-and-software/#description
33	Computers and Security	8 issues per year	English	http://www.journals.elsevier.com/computers-and-security/#description
34	IEEE Transaction on Mobile Computing	yearly	English	http://www.computer.org/portal/web/tmc
35	IEEE Transaction Parallel and Distributed Systems	yearly	English	http://www.computer.org/portal/web/tpds
36	Journal of Systems Architecture – Embedded Software Design	Monthly	English	http://www.journals.elsevier.com/journal-of-systems-architecture/
37	ACM Computing Surveys	Quarterly	English	http://surveys.acm.org/

38	ACM TISSEC: Transactions of Information and System Security	Quarterly	English	http://tissec.acm.org/
39	Network Security		English	http://www.elsevier.com/wps/find/journaldescription.cws_home/30358/description#description
40	ACM Transactions on Sensor Networks	Quarterly	English	https://sites.google.com/site/acmtosn/
41	Wireless Communications and Mobile Computing		English	http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1530-8677
42	IEEE Security & Privacy	Every 2 months	English	http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=8013
43	IEEE Pervasive Computing			http://www.computer.org/portal/web/computingnow/pervasivecomputing
44	IEEE Transactions on Information Forensics and Security	Quarterly	English	http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=10206
45	IEEE Network Magazine	Every 2 months	English	http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=65
46	IEEE Transactions on Communications	Monthly	English	http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=26
47	IEEE Communications Magazine	Monthly	English	http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=35
48	IEEE Transactions on Wireless Communications	Every 2 months	English	http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=7693
49	IEEE Transactions on Dependable and Secure Computing	Quarterly	English	http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=8858
50	IEEE Embedded Systems Letters	Quarterly	English	http://ieeexplore.ieee.org/servlet/opac?punumber=8858
51	IET Information Security	Quarterly	English	http://digital-library.theiet.org/IET-IFS
52	Journal of Information Privacy & Security (JIPS)	Quarterly	English	http://jips.cob.tamucc.edu/index.htm
53	International Journal of Information Security and Privacy (IJISP)	Quarterly	English	http://www.igi-global.com/journal/international-journal-information-security-privacy/1096
54	International Journal of Information Security	Bimonthly	English	http://www.springer.com/computer/security+and+cryptology/journal/10207
56	International Journal of Dependable and Trustworthy Information Systems (IJDTIS)	Quarterly	English	http://www.igi-global.com/journal/international-journal-dependable-trustworthy-information/1173
57	International Symposium on Research in Attacks, Intrusions and Defenses	Yearly	English	http://www.raid-symposium.org/
58	EUROCRYPT - International Conference on the Theory and Applications of Cryptographic Techniques	Yearly	English	http://www.informatik.uni-trier.de/~ley/db/conf/eurocrypt/eurocrypt2011.html
59	European Symposium on Research in Computer Security	Yearly	English	http://homepages.laas.fr/esorics/
60	Network and Distributed System Security Symposium	Yearly	English	http://www.isoc.org/isoc/conferences/ndss/11/
61	Conference on Computer and Communications Security	Yearly	English	http://www.sigsac.org/ccs.html
62	International Conference on Embedded Software	Yearly	English	http://www.emsoft.org/

Table 7 – selected Journals for dissemination

#	Title	Period	Language	Link
1	International Conference on Dependability	Yearly	English	http://www.iaria.org/conferences2009/DEPEND09.html
2	Annual International Conference on the Theory and Applications of Cryptographic Techniques	Yearly	English	http://www.iacr.org/conferences/eurocrypt2009/
3	International Conference on Software Engineering	Yearly	English	http://www.icse-conferences.org/
4	International Conference on Software Engineering and Knowledge Engineering	Yearly	English	http://www.ksi.edu/seke/seke09.html
5	International Conference on Software Engineering and Data Engineering	Yearly	English	http://sce.uhcl.edu/sede09/
6	Conference on Container Security	Yearly	English	http://ec.europa.eu/enterprise/security/csc.htm;
7	Supply Chain Security	Yearly		http://www.container-security.org/
8	Transec World Expo; Maritim Supply Chain and Security	Yearly	English	http://www.transec.com/page.cfm/Link=110/t=m/goSection=4
9	European Supply Chain and Logistics Summit	Yearly	English	http://www.supplychain.eu.com/
10	IEEE International Conference on RFID	Yearly	English	www.ieee-rfid.org
11	Western Europe Regional Final 2009	Yearly	English	http://www.globalsecuritychallenge.com/page_display.php?p=7&id=116
12	Germaner Logistik Kongress	Yearly	German	http://www.bvl.de/dlk
13	Germaner Materialfluss Kongress	Every 3 years	German	www.materialflusskongress.de
14	InnoLogIST 2009	Every 3 years	German	https://sabreconference.wifa.uni-leipzig.de/frontend/sabre2009/media/inno/innoLogIST2009.pdf
15	Seminar: Logistikmanagement - RFID-Anwendungen	Every 3 years	German	
16	International Conference on Dynamics in Logistic	Every 3 years	English	http://www.logdynamics.com/ldic.html
17	GSC Security Summit	Yearly	English	http://www.globalsecuritychallenge.com/gsc_conferences.php
18	IEEE International Symposium on Circuits and Systems (ISCAS)		English	http://www.iscas2011.org/
19	Embedded System Conferences (ESC)	Yearly	English	http://www.ubmdesign.com/esc/conference
20	IEEE International Conference on Embedded and Real-Time Computing Systems and Applications (RTCSA)		English	http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=4296822
21	International Conference on Wireless Communications, Networking and Mobile Computing (WiCOM)	Yearly	English	http://www.wicom-meeting.org/2012/
22	International Conference on Electronics, Circuits and Systems (ICECS)	Yearly	english	http://www.waset.org/conferences/2012/venice/icecs/
23	IEEE International	Yearly	english	http://www.hostsymposium.org/

	Symposium on Hardware-Oriented Security and Trust (HOST)			
24	IEEE International Conference on Networking, Sensing and Control (ICNSC)	Yearly	english	http://www.icnsc.org/
25	CRITIS Conference on Critical Information Infrastructures Security		English	http://critis12.hig.no/
26	International Conference on Mechatronic and Embedded Systems and Applications	Yearly	English	http://www.asmemesa.org
27	International Conference on Pervasive Computing and Communication Systems	Yearly	English	http://www.peccs.org/
28	Conference on Security and Cryptography for Networks (SCN)		English	http://scn.dia.unisa.it/
29	ACM Conference on Wireless Network Security (WiSec)		English	http://www.sigsac.org/wisec/
30	ACM Symposium on Access Control Models and Technologies (SACMAT)		English	http://www.sigsac.org/sacmat.html
31	International Conference on Security and Cryptography (SECRYPT)		English	http://secrypt.icete.org/
32	ACM Conference on Computer and Communicaiton Security (CCS)		English	http://sigsac.org/ccs/CCS2012/
33	International Conference on the Theory and Application of Cryptology and Information Security (ASIACRYPT)		English	http://cis.sjtu.edu.cn/asiacrypt2012/index.html
34	Nordic Conference on Secure IT Systems (NordSec)		English	http://www.bth.se/com/nordsec2012.nsf/pages/call-for-contributions
35	ACM Conference on Computer and Communication Security		English	http://sigsac.org/ccs/
36	IEEE Real-Time Systems Symposium (RTSS)	Yearly	English	http://www.rtss.org/
37	IEEE Real-Time and Embedded Technology and Applications Symposium (RTAS)	Yearly	English	http://www.rtas.org/
38	Euromicro Conference on Real-Time Systems (ECRTS)	Yearly	English	http://ecrts.eit.uni-kl.de/index.php?id=74
39	International Conference on Embedded Software (EMSOFT)	Yearly	English	http://www.emsoft.org/
40	Conference on Languages, Compilers, and Tools for Embedded Systems (LCTES)	Yearly	English	http://lctes12.cs.purdue.edu/
41	IEEE/IFIP International Conference on Dependable Systems and Networks (DSN)	Yearly	English	http://2012.dsn.org/
42	IEEE Pacific Rim International Symposium on Dependable Computing (PRDC)	Yearly	English	http://prdc.dependability.org/2012/
43	Wireless Innovation Forum European Conference on Communication Technologies and Software Defined Radio (SDR'12-WInnComm-Europe)	Yearly	English	http://europe.wirelessinnovation.org/mc/page.do?sitePageId=118800&orgId=s2
44	IEEE Symposium on Security and Privacy	Yearly	English	http://www.ieee-security.org/TC/SP2012/index.html
45	IEEE International Symposium on Policies for Distributed	Yearly	English	http://www.ieee-policy.org/

	Systems & Networks (POLICY)			
46	International Conference on Security and Privacy in Communication Networks (SecureComm)	Yearly	English	http://securecomm.org/2012/show/home
47	Symposium On Usable Privacy and Security (SOUPS)	Yearly	English	http://cups.cs.cmu.edu/soups/2012/cfp.html
48	Latin-American Symposium on Dependable Computing (LADC)	Every 2 yearly	English	http://www.inpe.br/ladc2011/

Table 8 – selected Conferences for dissemination

5.3 Master and doctoral thesis

Given the time frame of the nSHIELD project, master theses related to the project are expected to be completed before the end of the project. PhD theses addressing the nSHIELD objectives are planned too.

5.4 Education and Training (E&T) activities

It is expected that project partners will be giving invited talks and lectures to disseminate project results. Invited talks and key notes are expected at specific conferences. Researchers from partners in nSHIELD will participate in master degree classes in order to disseminate the results of the nSHIELD project to the students and lecturers.

To enable the use of the tools and the tool framework once they have reached a mature state, tutorials will be given both within the project consortium and to external targeted groups.

It is planned to provide support for education and training by facilitating and monitoring production of E&T training material and/or educational versions of the tools and platform implementations, in co-operation with the ARTEMIS E&T Working Group.

The University of Mondragon (MGEP) has launched a master program in Embedded Systems starting in September 2011. In this master program it is also planned to have some lessons to talk about the design and development process of “Safety-Critical Certifiable Embedded Systems” in which researchers from industrial partners will participate.

SEARCH-LAB also runs a number of secure coding courses specifically targeting embedded software development groups, The outcomes of the nSHIELD project can be disseminated as a case study within SEARCH-LAB’s existing training catalogue, presenting the resulting SPD technology.

University of Genova is offering courses related with SPD in embedded systems at different levels. At the master level the Electronic Engineering course has teaching courses on “Cyber security and electronic instrumentation”, “Electronic devices and microelectronics”, “Information Security”, “Methods and equipment for network security”, “Pervasive electronics”, “Embedded systems” and a specific course on “Pervasive Intelligence”. Within the Erasmus Mundus Joint Doctorate on Interactive and Cognitive Environments that is coordinated by the University of Genova several courses on Embedded Systems are organized on a yearly basis ar a Ph.D. level.

5.5 Cooperation with other projects

The clear goal of ARTEMIS to create a common ARTEMIS RTP (Reference Technology/Tool Platform) requires co-operation with the High-Rel cluster of ARTEMIS projects and EICOSE, the ARTEMIS CoIE (Centre of Innovation Excellence) for embedded systems.

The consortium is also establishing – professional and dissemination – partnerships with similar projects and initiatives to work the project's way into relevant scientific circles. This includes both offline (scientific collaboration) and online projections (e.g. featuring project information on each other's website). Collaboration is foreseen with other EU-funded projects:

- SEARCH-LAB plans to evaluate possible synergies with **ANIKETOS** [2] project, and to approach relevant project participants to initiate collaboration.
- The nSHIELD work on hypervisor design and verification for security in embedded system done at the Swedish nodes are done in co-operation with the national research project **PROSPER** [3].
- The objective of **TERESA** (EU project) is to define, demonstrate and validate an engineering discipline for trust that is adapted to resource constrained embedded systems.
- **OVERSEE** project involves an open vehicular IT platform that provides a protected standardized in-vehicle runtime environment and onboard access and communication point.
- The goal of **WSAN4CIP** is to substantially advance the technology of Wireless Sensor and Actuator Networks (WSANs) beyond the current state of the art and to apply this technology to the Protection of Critical Infrastructures.
- **SOFIA** ARTEMIS project introduced an interoperability platform (Sofia IoP) specifically dedicated to embedded systems that has already been adopted in other ARTEMIS projects (http://www.sofia-community.eu/). The semantic approach used in Sofia is coherent with the approach adopted in nShield middleware. A bidirectional cooperation with this project could be focused on the adoption of the interoperability platform in the area of SPD and could also contribute to the community extending the IoP itself with SPD features and functionalities.
- Tecnalia is working with secure elements in the context of the project named **Smart Urban Spaces** (ITEA2), this will enable secure communications between different devices (M2M). Tecnalia will evaluate possible synergies with this project.

Nshield output will be used for all Finmeccanica projects where security privacy and reliability are required.

5.6 Participation in standard and industrial fora working groups

nSHIELD consortium will therefore establish strong liaisons with research and decision making groups. This activity is described in Section 4.3 of the TA.

Moreover, nSHIELD proposal will have great impact on already running cooperation activities among partners. Actually, Finmeccanica Mind@Share Community and Finmeccanica Network of Excellence, at national level, represent an effective mean of cooperation and joint technology development among nSHIELD Italian partners. nSHIELD goal will be to reinforce and enlarge such working groups involving new stakeholders, also coming from other member states and in

particular from nSHIELD's partners member states, to the aim of empowering the spreading of knowledge and good practices in the field of secure, dependable and privacy-oriented ESs.

We closely follow the ongoing Global Platform standardization efforts [4] and align our work to the interfaces defined by Global Platform. nSHIELD will also consider direct contributions to the Global Platform standards.

6 Conclusions

This document attempts to collect the information related to the awareness and dissemination activity for the work developed in nSHIELD project.

All the consortium members involved in the different WP and tasks will report periodically the results carried out for the update of this document.

References

[1] European Commission - Guide to successful communications, 2004 http://ec.europa.eu/research/science-society/science-communication/index_en.htm

[2] Aniketos FP7-funded project: http://www.aniketos.eu. For project description, see project presentation at http://aniketos.eu/content/project-presentation-slides

[3] PROSPER: Provably Secure Execution Platforms for Embedded Systems, http://www.sics.se/projects/prosper

[4] Global Platform, http://www.globalplatform.org/

Appendix A Individual dissemination plans.

The following table summarises the dissemination actions that each partner will take part in:

ACTION/PARTNER	SG	ASTS	AT	ATH	CWIN	ED	TECNA	ESIS	ETH	HAI	ISL	ISD	MAS	MGEP	NOOM	SCOM	SLAB	SESM	SICS	T2D	TELC	THYA	TUC	UNIGE	UNIUD	UROM
Website	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Social networks											X			X											X	
Summary report	X								X		X			X					X						X	
Newsletters											X			X										X		
Press release	X								X		X						X									
Poster, brochures, leaflets	X								X		X			X										X		
Workshops, seminars and exhibitions	X						X		X		X								X	X	X		X	X		
Journals							X							X									X	X	X	
Conferences	X						X		X		X			X			X		X				X	X	X	
Organization of seminar and workshops	X													X					X					X		
Master and doctoral thesis														X					X		X		X	X		
E&T activities											X						X		X				X		X	
Cooperation with other projects	X						X		X		X			X			X		X	X	X				X	
Standardisation activities	X																		X							

Table 9 – Actions vs Partner