WP8 – Knowledge exchange and industrial validation

First year review

18 October 2012, Rome

Objectives

- The objectives of WP8 are:
  - Dissemination
  - Standardisation of innovative solutions
  - Industrial Exploitation of results

Dissemination

- First, a dissemination plan has been internally delivered
- Dissemination activities have consisted so far on:
  - Deployment of a public Website
  - Publication of all important results in well-known conferences and journals
  - Organization of special sessions in conferences and workshops
  - Another outcome of this task will be the annual delivery of the nSHIELD Summary Report

Dissemination - Deliverables

- D8.1 Web Site
  - State: completed
- D8.2 Dissemination Plan
  - State: Completed
- D8.4 Build Secure Embedded Systems with nSHIELD Report v1
  - State: Draft version

Dissemination - Publications

- Journal papers
  - Interoperability of Security-Enabled Internet of Things
    - Special Issue: Internet of Things and Future Applications on Selected Topics from the CWI/CTIF Workshop

Dissemination - Publications

- Conference proceedings:
  1. Reputation-based intrusion detection system for wireless sensor networks
     - Proceedings of the 2nd IEEE Workshop on Complexity in Engineering
  2. Secure Policy-Based Management Solutions in Heterogeneous Embedded Systems Networks
     - IEEE International Conference on Telecommunications & Multimedia
  3. Building Trust in Ad hoc Distributed Resource-sharing Networks Using Reputation-based Systems
     - 16th Panhellenic Conference on Informatics
  4. An Overview of Security Issues in Embedded Systems Based on EU-Funded Research Projects
     - 3rd IEEE International Conference on Networked Embedded Systems for Every Application
  5. Distributed cognitive radio architecture with automatic frequency switching
     - Proceedings of the 2nd IEEE Workshop on Complexity in Engineering
  6. The SHIELD framework: How to control Security, Privacy and Dependability in complex systems
     - Proceedings of the 2nd IEEE Workshop on Complexity in Engineering
  7. Securing DMA through virtualization
     - Proceedings of the 2nd IEEE Workshop on Complexity in Engineering

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Dissemination – Other actions

- Organization of especial sessions:
  - Organization and chairing of the Special Session for Security in Embedded Systems in the 2nd IEEE Workshop on Complexity in Engineering (COMPENG 2012). Aachen (Germany). 11 -13 June 2012.
  - Organization and chairing of the Embedded System Security Session in the XII Spanish Meeting on Cryptology and Information Security (RECSI 2012), Donostia-San Sebastián (Spain), 4-7 September 2012

Dissemination – Other actions

- Presentations:
  - New embedded Systems. arcHItecturE for multi-Layer Dependable solutions (nSHIELD)
    - Poster Presentation
    - School on Computer Security & Privacy – Building Trust in the Information Age
  - Internet of Things – Finding its Way to Industry
    - IFEA Wireless Summit
  - Secure Interoperability – The Challenge for the Internet of Things
    - FFI ICT Seminar

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Dissemination – Other actions

- Workshop and exhibitions:
  - Internet of Things – Internet of the Future.
    - Podium discussion on challenges
- Industrial dissemination (companies and institutions contacted):
  - Norwegian Defence Research Establishment (FFI)
  - ABB
  - SIMLINK
  - Some Finmeccanica Group companies
- Embedded Systems Conference:
  - nSHIELD project presented at the AUSTRIA ARTEMIS Conference

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Dissemination – Other actions

- www.newshield.eu

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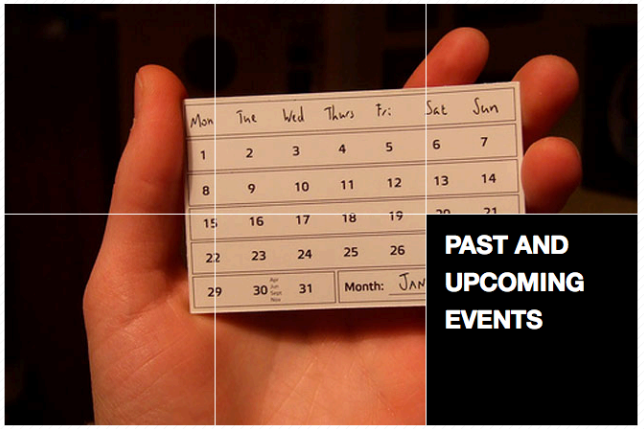

PAST AND UPCOMING EVENTS

◄ Oct 2012 ► Today **October 2012** Month Week

Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17 Anual Review - PreReview Meeting	18 Anual Review	19	20	21
22	23	24	25	26	27	28
29	30 CO-SUMMIT 2012 \'SHARING A VISION FOR ICT INNOVATION\'	31	1	2	3	4

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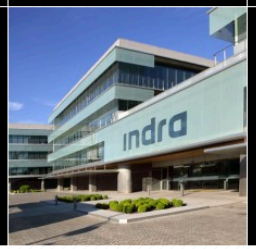
HELLENIC AEROSPACE INDUSTRY		INTEGRATED SYSTEMS DEVELOPMENT

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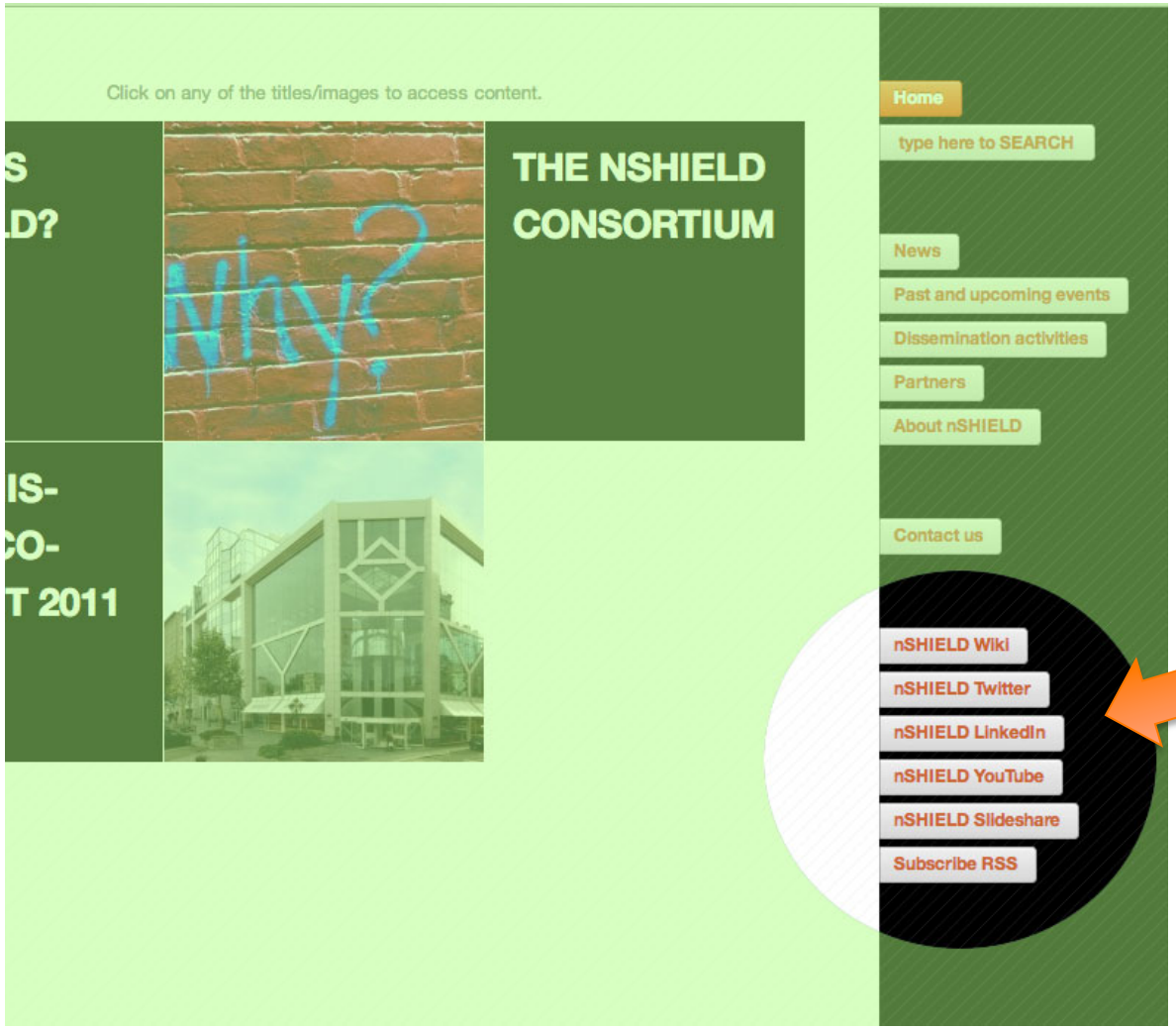
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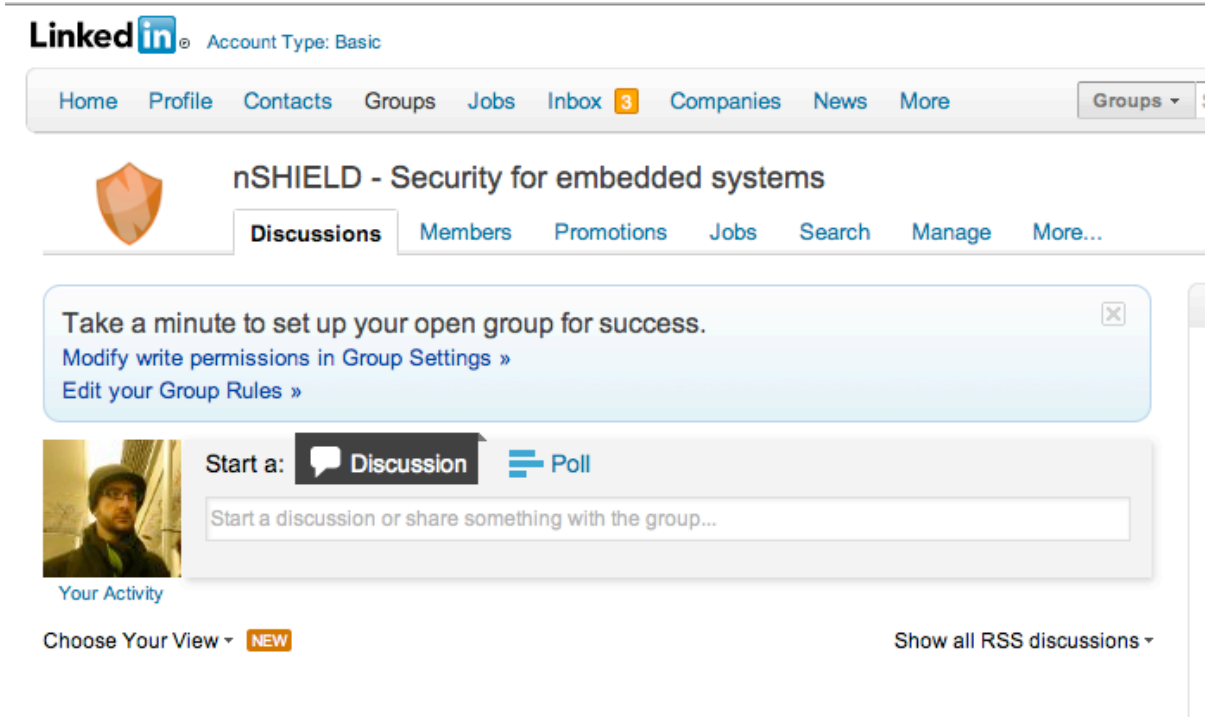
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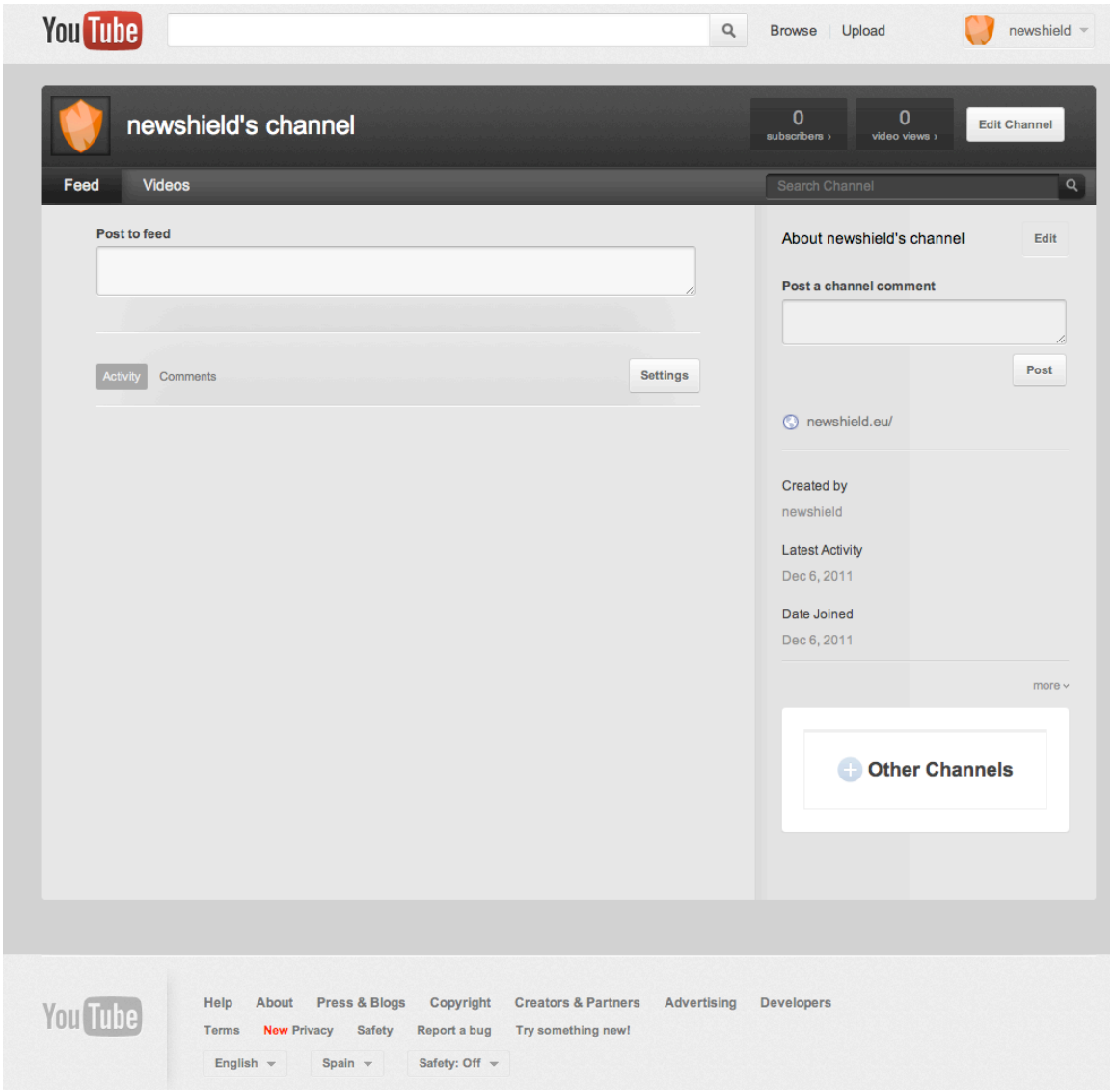
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Standardisation

- Objectives
  - Close interaction with standardization groups
  - Preparation of documents and proposals for standardization group

Standardisation - Deliverables

- Standardisation plan has been internally delivered (D8.3)

Standardisation - Other

- Studies on STANAG Standards
- Investigation on CORBA Standard
- Relevant Standards in Avionics, Railway systems…

Industrial Exploitation

- Not applicable in this period

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The END

That’s all folks!