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

Fabio Martinelli

Istituto di Informatica e Telematica - CNR

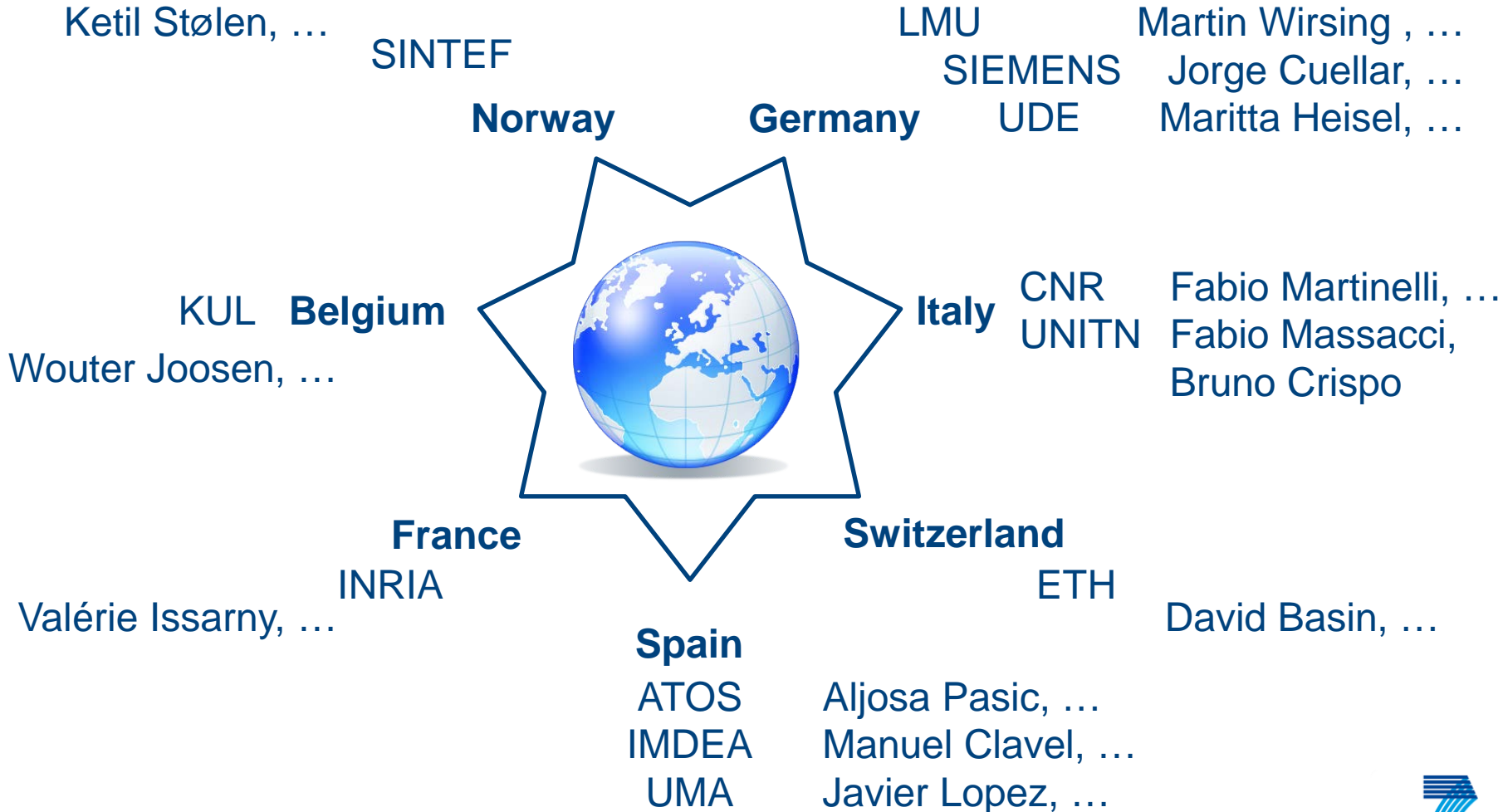
10 March, 2014

- NESSoS is a EU funded project (Oct. 2010-Mar. 2014) aiming at establishing a virtual center of excellence on
 - engineering secure software-based service and systems
- NESSoS contributes to create and consolidate an active research community
- NESSoS is committed to achieve very significant advances in knowledge and spread the research excellence achieved as well as roadmapping activities
- NESSoS contributes the growth of a generation of researchers and practitioners in the area by creating a common body of knowledge (CBK) directly exploitable for training and education purposes

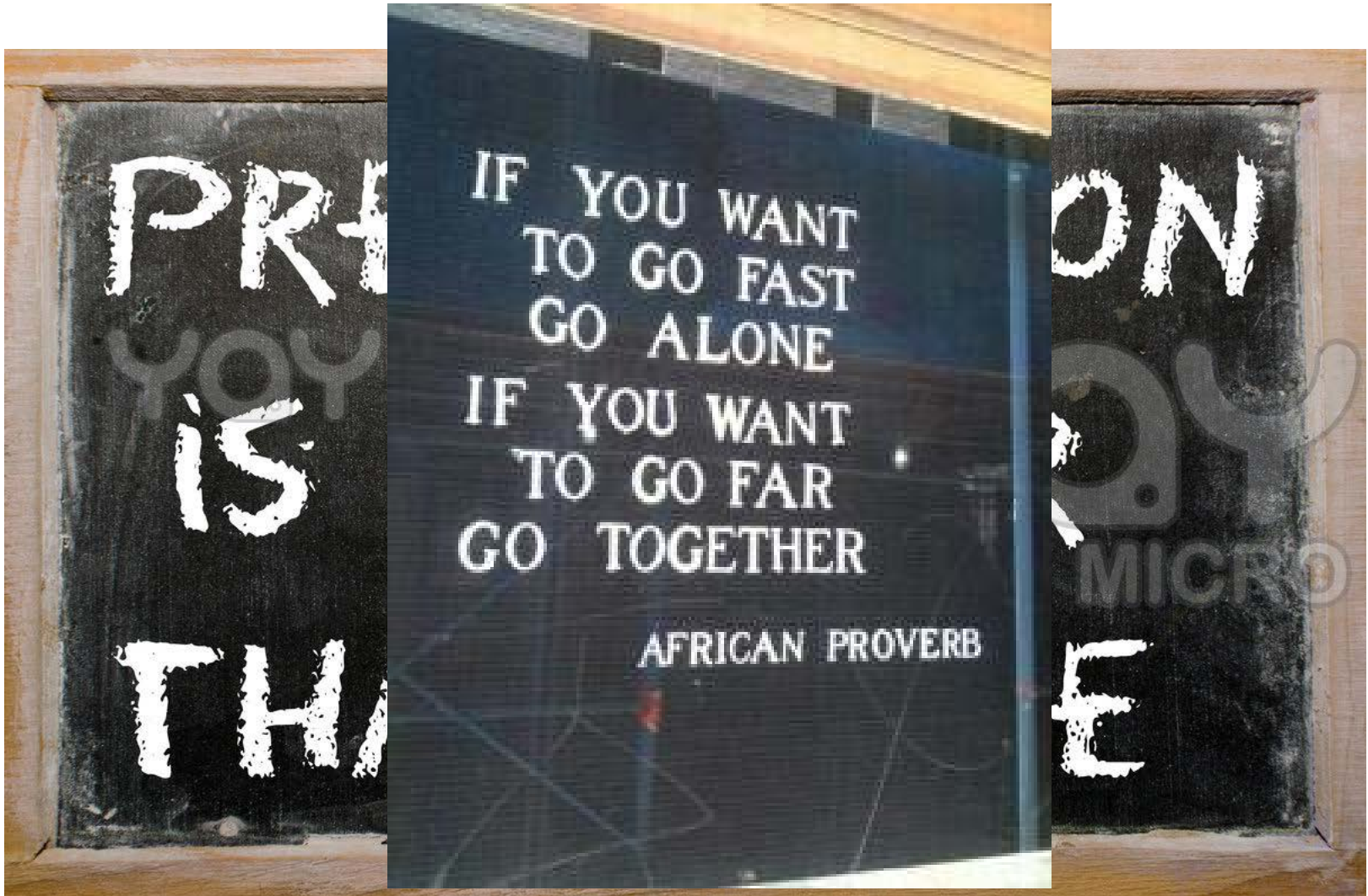
7 European countries

12 partners

more than 50 researchers



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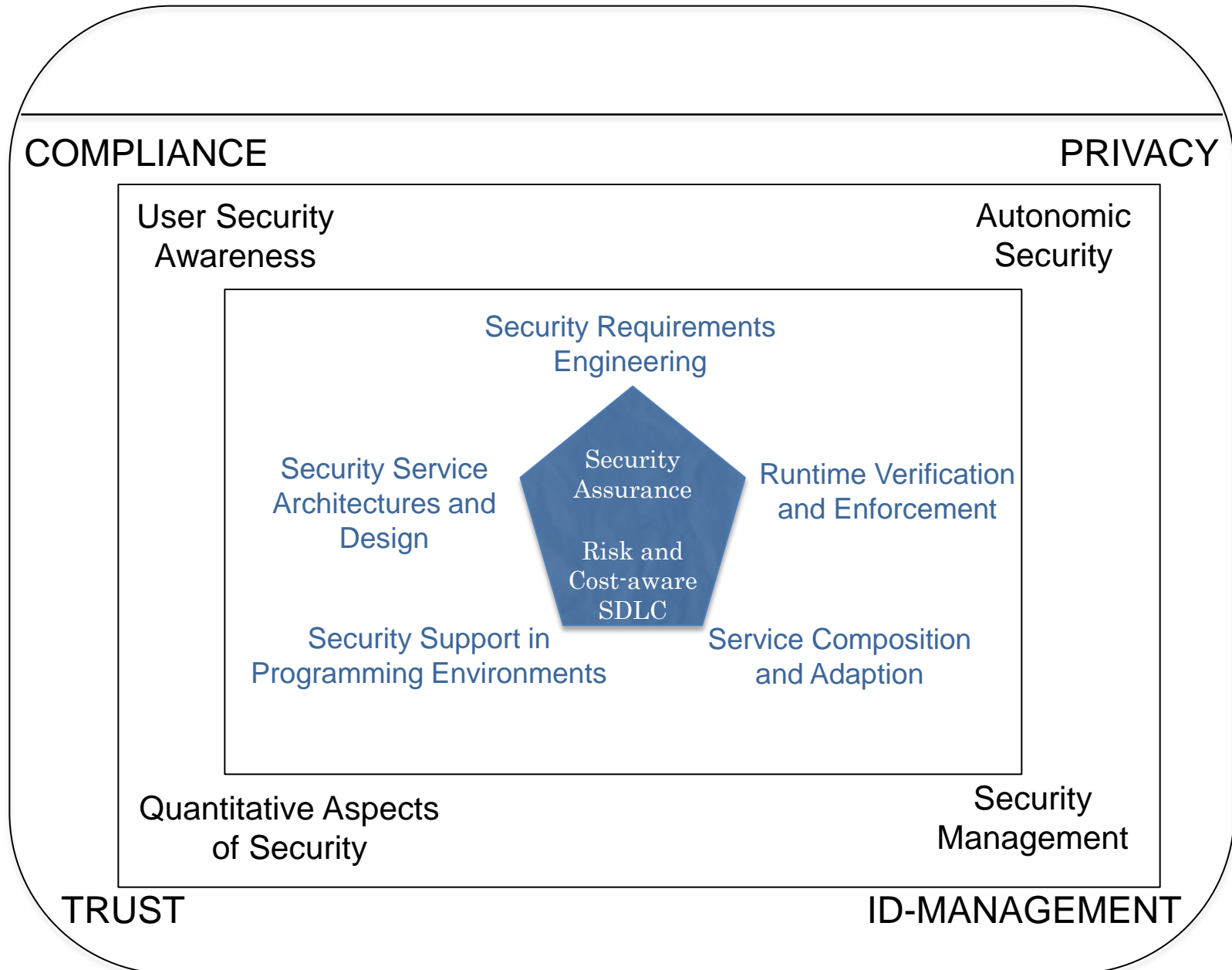
- There is a demand for engineering secure software-based service and systems that could
 - Resist to threats in the new application scenarios (e.g. by reducing system vulnerabilities)
 - Be developed in a more efficient way
 - Show with justifiable evidence their assurance level
 - Manage risk and cost issues during their development
- The research community is addressing these issues from several perspectives

- Most of the current approaches have a **reactive** approach
 - After the attack -> deploy a countermeasure, ...
 - Many variants (defensive/responsive approaches)
 - Good guys always behind the bad ones

- Some try to be **proactive**:
 - Before the attack -> reduce the existing vulnerabilities, proactively change the scenarios, ...
 - Many variants (adaptive/creative approaches)
 - Good guys try to anticipate bad ones

- **Creation of a long lasting research community on engineering secure software-based service systems** (90 researchers, many conferences/workshops/seminars/PhD schools/open challenges/training events/sessions organized)
 - An IFIP WG 11.14 has been recently created on the topics of NESSoS
- **Creation of a common body of knowledge** (A semantic wiki has been created and populated -www.nessos-project.eu/cbk - open for contribution)
- **Integration of research agendas and road-mapping activities** (A roadmap on engineering secure services/systems is available at -www.nessos-project.eu – open for contribution)
- **Integration of infrastructures and tools** (Creation of an engineering tools workbench –www.nessos-project/sde – open for contribution)
- **Contribution to dissemination and spreading of excellence** (>300 scientific papers published, many communication and dissemination actions, brochures, posters, newsletters, 300 people in the dissemination mailing list...)
- **Valorisation and mobility of human resources** (15 post-docs created, 1500 days of internal mobility among partners, master curricula created, ...)
- **Reducing the gap among industrial best practices and research** (Industry Advisory Board (main international companies are represented), Industry related seminars and panels, ...)

Main Topics of NESSoS Agenda



- <http://www.nessos-project.eu/>
 - Please fill up the **Roadmap survey** available



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

PROJECT DESCRIPTION

CONSORTIUM

INTEGRATION

RESEARCH

SPREADING OF EXCELLENCE

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WHO'S ONLINE

We have 15 guests online



NESSoS FP7 PROJECT

The second version of the NESSoS research roadmap is available   

The second version of the NESSoS research roadmap is available at the URL:
<http://www.nessos-project.eu/media/deliverables/y2/NESSoS-D4.2-PartII-Roadmap.pdf>

You can contribute to the roadmap by filling the on-line survey

http://www.nessos-project.eu/index.php?option=com_jquarks4s&controller=survey&id=2

Project description

The Network of Excellence on Engineering Secure Future Internet Software Services and Systems (NESSoS) aims at constituting and integrating a long lasting research community on engineering secure software-based services and systems.

[Read more...](#)

Join the community!



- Follow the NESSoS project web site:
 - www.nessos-project.eu
- Join the dissemination mailing list:
 - community@nessos-project.eu
- Add a tool to the NESSoS Service Development Environment (SDE)
 - www.nessos-project.eu/SDE
- Contribute to our NESSoS Common Body of Knowledge (CBK)
 - www.nessos-project.eu/CBK
- Contribute to the NESSoS community research roadmap
 - www.nessos-project.eu
- Attend our supported events (ESSoS, FOSAD, E-RISE, ...) ...
- ... and work with us!