



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.



## 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 foreseen impact and progress for Europe also targets a wider audience. The main activities for spreading excellence are dissemination & communication, education & training, and exploitation & standardization.

## 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

## 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

consortium



Atos

ETH zürich

informatics  
idea  
software

informatics mathematics  
inria

KATHOLIEKE UNIVERSITEIT  
LEUVEN



SIEMENS

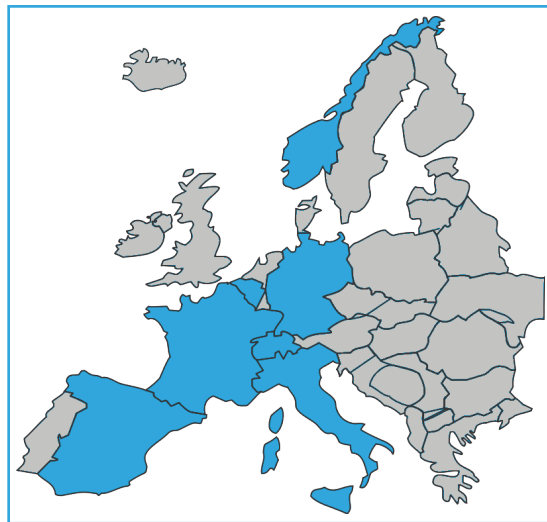
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website

[www.nessos-project.eu](http://www.nessos-project.eu)