NESSoS

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

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.

Creating a long standing research community

project description

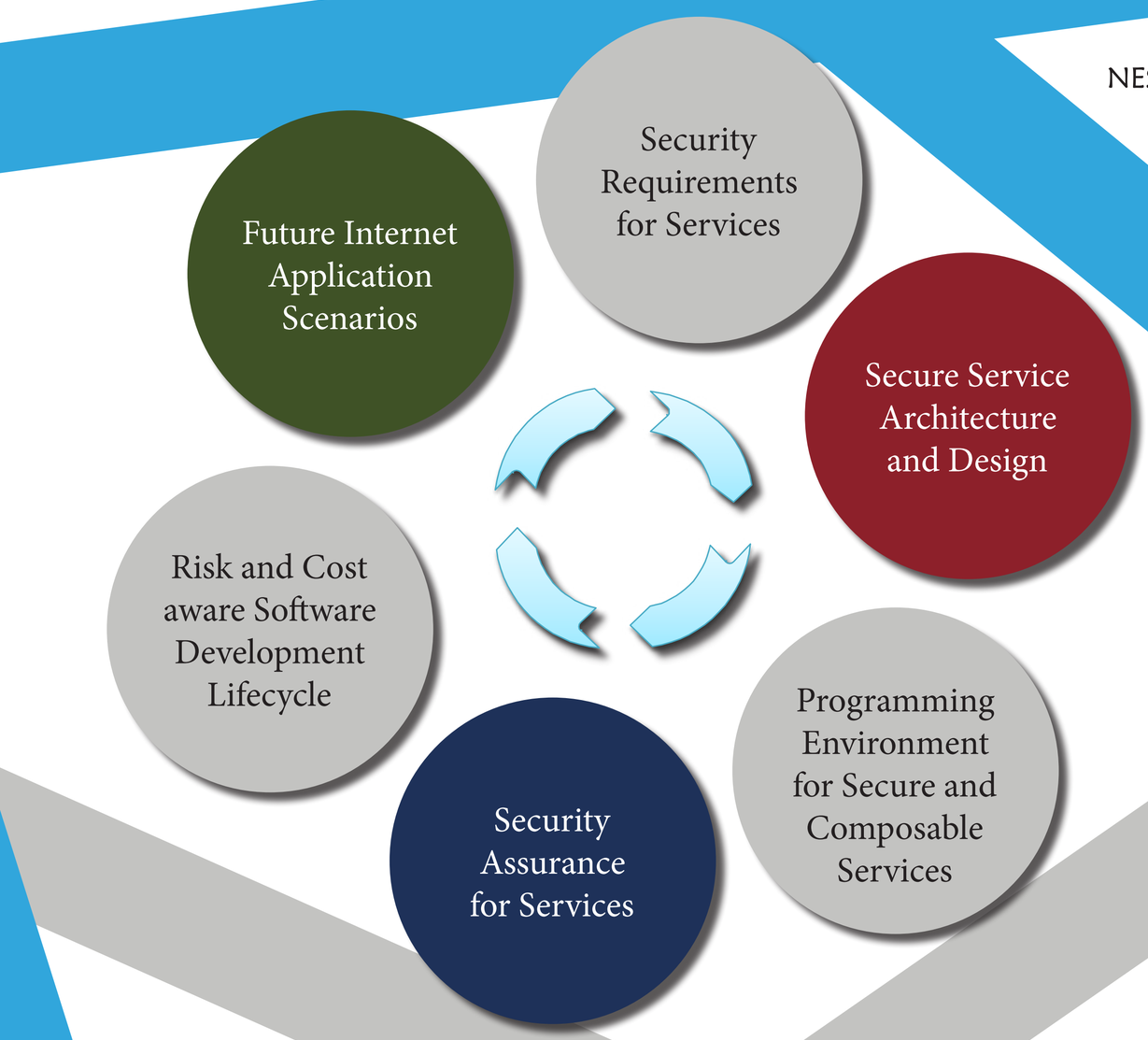
NESSoS aims at constituting and integrating a long lasting research community on engineering secure services and systems. The project addresses security concerns during the early phases of the development lifecycle of software services and systems, thus contributing to reduce the amount of vulnerabilities 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.

start date
01 October 2010

end date
31 March 2014

project funding
3.800.000 Euro

website
www.nessos-project.eu



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.

consortium

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ETH zürich
institute IMDEA software
informatics mathematics Inria
KATHOLIEKE UNIVERSITEIT LEUVEN
LMU LUDWIG-MAXIMILIANS-UNIVERSITÄT MÜNCHEN
SIEMENS
SINTEF
UNIVERSITÄT DUISBURG ESSEN
UNIVERSIDAD DE MÁLAGA
UNIVERSITÀ DEGLI STUDI DI TRENTO

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

contact

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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

Graphic Design: Patrizia Andronico, IIT-CNR