

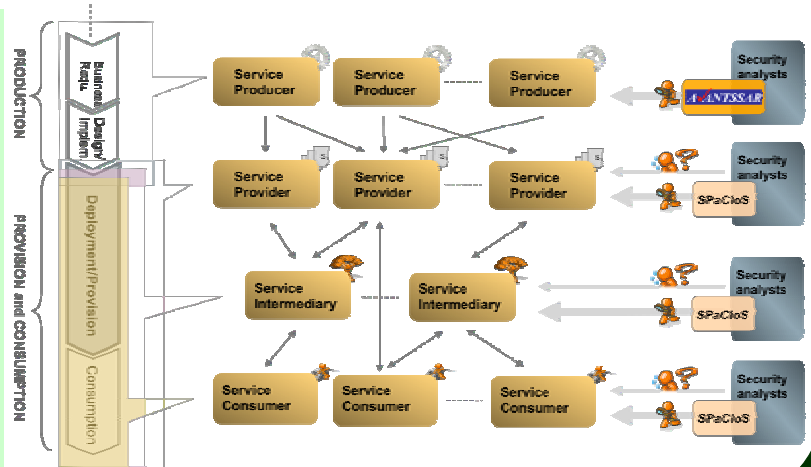
# SPaCIoS

## Secure Provision and Consumption in the Internet of Services

FP7-ICT-2009-5, ICT-2009.1.4, STREP project no. 257876

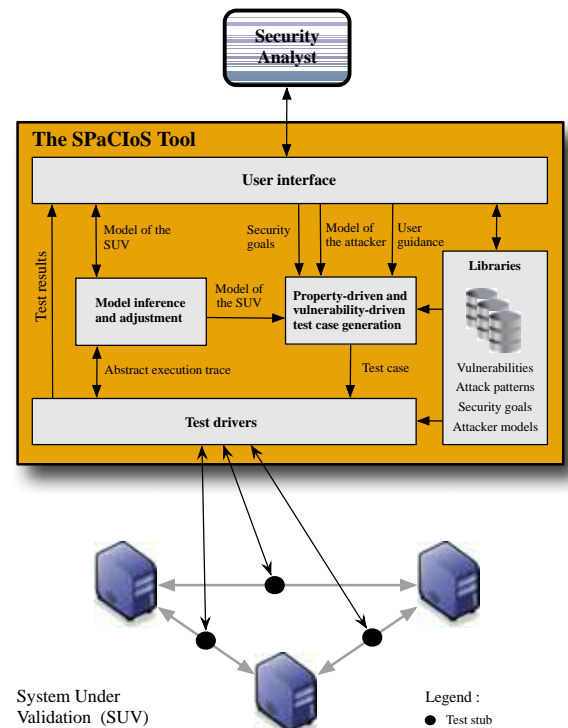
### Project motivation

- In order to **provide guarantees** to providers, intermediaries, and consumers of IoS, rigorous security validation must be applied
- Current security validation technologies fall short** of achieving this because they are typically used in isolation, e.g. at design time
- Security analysts** must be enabled to carry out security validation not only at production time (e.g. using AVANTSSAR Platform) but also at **deployment and consumption time**



### Main objectives, principles, and innovation

- Lay technological foundations** of a new generation of security analysers for **testing and improving security** during service deployment, provision and consumption
- Develop the SPaCIoS Tool** combining state-of-the-art technologies for penetration testing, model-based security testing, model checking, and automatic learning
- Assess** the SPaCIoS Tool by running it against a set of security testing problem cases drawn from industrial and open-source IoS **application scenarios**
- Migrate** SPaCIoS technology **to industry** (in particular, SAP and SIEMENS business units), as well as to standardisation bodies and open-source communities



### The consortium

**Academia:** Università di Verona, ETH Zurich, KIT Karlsruhe, INP Grenoble, Università di Genova

**Industry:** SAP Research, Sophia Antipolis and Siemens Corporate Technology, Munich

