Flamingo project

<u>Consortium:</u> University of Twente (Coordinator), Universität Zürich (Switzerland), iMinds (Belgium), Universität der Bundeswehr München (Germany), University College London (UK), Universitat Politècnica de Catalunya (Spain), Jacobs University Bremen (Germany)

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<u>Description:</u>

Flamingo was a European (ICT-FP7 Network of Excellence, 2012-2016) Project focussing on Network and Service Management. The goals of FLAMINGO are:

- to strongly integrate the research of leading European research groups in the area of network and service management,
- to strengthen the European and worldwide research in this area, and
- to bridge the gap between scientific research and industrial application.

To achieve these goals, FLAMINGO performs a broad range of activities, such as to develop open source software, establish joint labs, exchange researchers, jointly supervise Ph.D. students, develop educational and training material, interact with academia and industry, organize events, and contribute to (IETF and IRTF) standardization.

FLAMINGO develops a joint program of research activities to contribute to the development of network management and operation frameworks for the Future Internet (FI). Three major and federating challenges are investigated:

1. Network and service monitoring, based on flow-based techniques, enabling scalable monitoring systems to share collected data and feed the knowledge plane and decision algorithms of the Future Internet.
2. Automated configuration and repair, based on self-* features and frameworks, enabling billions of devices and managed objects to manage themselves in a fully distributed and autonomic way.
3. Economic, legal, and regulative constraints, which do border management systems and operational solutions of the Future Internet.

FLAMINGO provides a unique consortium of leading researchers, with complementary knowledge and strong ties to industry, and covering the entire spectrum of network management core functions and application domains, which are necessary to build, integrate, and disseminate the knowledge of the management plane for the Future Internet.

<u>Presentation at RESSI:</u> the presentation of RESSI will cover both the general organization and strategy of the project (including education, industry relations, open lab, open-source software) as well focuses on achievements done in the cybersecurity area, in particular to counter-fight Android Malware, DDoS and botnets.