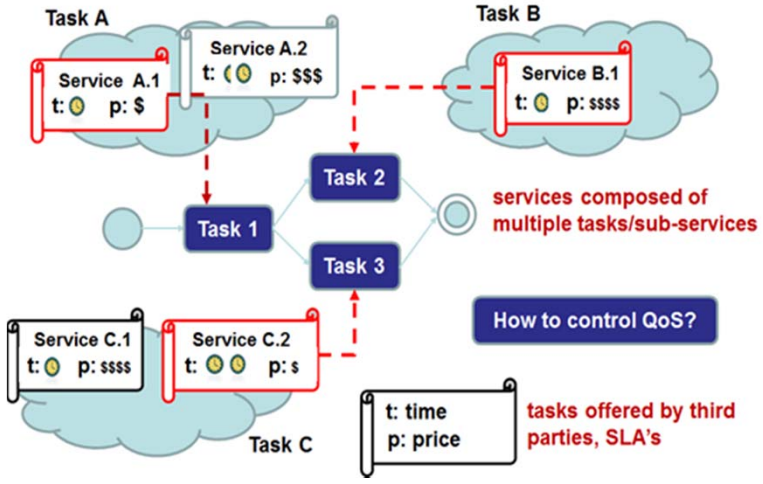
EUROPEAN COOPERATION IN SCIENCE AND TECHNOLOGY

www.cost.eu/ict

COST Action IC1304 2013 | 2017

Autonomous Control for a Reliable Internet of Services



Internet of Services

- Service creation: anyone, anytime, anywhere
- Service reliability crucial for businesses
- Need for flexibility in service creation
- Higher diversity, cheaper services

Problem and challenges

- Today, main focus on functionality and system design
- Little attention to the development, evaluation and optimization of algorithms for Autonomous Control
- Need for quantitative models and methods for reliable Internet of Services

Objectives

- Create European network of experts on development of autonomous control methods for reliable and quality-aware Internet of Services
- Establish platform to fuel and coordinate research on reliable Internet of Services

Technical objectives

- Algorithms for autonomous decision and Quality of Service control
- Scalable methods for monitoring to support Quality of Service control
- Rules for smart pricing schemes in many-domain environments

Working Groups

- WG 1: Methods for autonomous management and real-time control
- WG 2: Methods and tools for monitoring and service prediction
- WG 3: Smart pricing and competition in many-domain systems

Information and Communication Technologies (ICT)

Participating countries: 27

AT, BE, BG, CR, CZ, DE, ES, FI, FR, GE, GR, HR, HU, IE, IL, IT, LT, MA, NL, NO, PL, PT, RO, RS, SE, SW, UK

Contact details

Chair of the Action
Rob van der Mei
mei@cwi.nl

Domain Committee Rapporteur
Miguel de Ponce Leon
miguelpdl@tssg.org

Science Officer (COST Office)
Ralph Stübner
Ralph.Stuebner@cost.eu

Website
www.cost.eu/domains_actions/ict/Actions/IC1304

ACROSS
Autonomous Control for a Reliable Internet of Services

COST is supported by the EU RTD Framework Programme

ESF provides the COST Office through a European Commission contract