FP7-UNIVERSELF Overview

Future Networks 6th FP7 Concertation meeting

Project scope

"Cleaned state not clean slate"

End-to-end

  ➤ From access to core

  ➤ Wireless, fixed and service

Focus on Network operators/Service providers

  ➤ Solving infrastructure and service operational bottlenecks

"Realizing Autonomics for Future Networks"

Federating

➢ Unification of existing architectures and convergence of network management principles across multiple technological contexts

Empowering

➢ Embed intelligence inside network equipments

Impactful

➢ Impact the telecommunication industry and push towards exploitation of its results

Trustworthy

➢ Foster adoption of autonomics by means of trust and confidence

Technical objectives #1

Federate research on autonomic networking	
Results	■ UMF definition, standardization and demonstration ■ new method of network management ■ new method of network governance ■ **process and interfaces for federating different autonomic frameworks** ■ open solutions ■ embedding management systems with managed systems

Technical objectives #2

Embed intelligence in the network

Results	
	▪ tools, models, and methods for network self-management
	▪ test results of the (UMF) self-management solutions
	▪ **reference embodiments of solutions into the equipments**
	▪ mechanisms for cooperation and orchestration

Technical objectives #3

Impact the telecommunication industry

Results	▪ **large-scale demonstration of integrated autonomic functions** ▪ prototypes of autonomic functions ▪ simulations of autonomic functions

Technical objectives #4

Generate confidence in autonomics

Results	- impact analysis for given scenarios **certification procedures for autonomic functions (labelling)** - migration strategies for given scenarios - progress of standardization - community representation

Project ID

FP7 Call 5 Integrating Project

Total Cost: ~16M€ ; EC Contribution: ~10M€

17 Partners

Duration: 36 months

Start date: 01/09/2010

Kickoff meeting: 04-06/10/2010 in Paris

Website: www.univerself-project.eu

Consortium