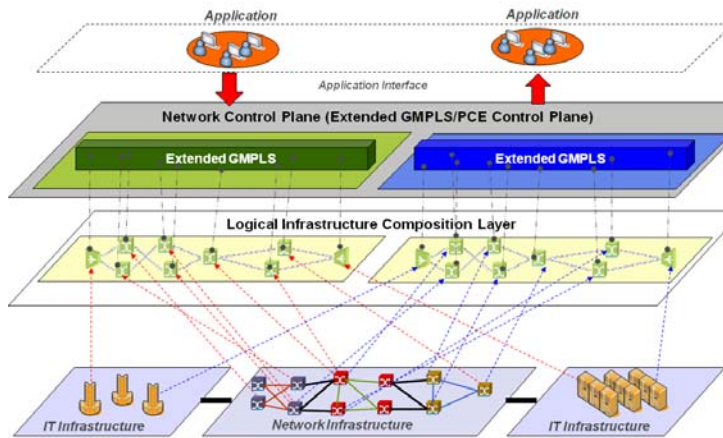


GEYSERS –Generalised Architecture for Dynamic Infrastructure Services

Program/Call Reference, Strategic Priority, Grant Agreement Number, Project Type

FP7/ICT-2007-1.1 ICT: The network of the future, Grant agreement no: 248657, IP Project Objectives

GEYSER's vision is to qualify optical infrastructure providers and network operators with a



new architecture, to enhance their traditional business operations. In this context GEYSERS the main objective is to define, develop and validate an end-to-end network architecture, based on extending standard ones, which is able to create a new planning, provisioning and (ultimately) business framework for network infrastructure provider and network operators (service

providers). In this framework, the network infrastructure provider will be able to compose and offer part of its infrastructures (possibly combined with IT infrastructures) as logical infrastructure to network operators. Network operators will operate the hired logical infrastructures with Control Plane (ASON/GMPLS and PCE) technologies and will offer coupled, optimized and dynamic Network+IT provisioning services (i.e. interconnections between end-user and IT resources). The GEYSER outcomes will be validated in an EU-wide optical network test-bed.

Project Starting Date and Duration / Total Cost – Total EU Contribution

01/2010, 36 months / 3,820,811 € - 2,642,895 €

AIT's Role / Principal Investigator

Prof. Anna Tzanakaki (atza@ait.edu.gr)

AIT's Main Work Item

The Network Design and Services (NDS) group of AIT will contribute to the design and engineering of the Geyser architecture, propose required extensions to supporting protocols in the scope of WP2 and WP4 as well as contribute in WP3. It will also provide simulation models serving proof-of-concept and verification purposes. AIT will also lead the dissemination activities.

Main Partners

	Partner Name	Role	Funding
1	Interoute, IRT, Italy	Coordinator	247,534.2 €

2	AIT	Research, Technology	226,625 €
	12 partners in total		7,533,834 €