Incorporates GEMBus (GEANT)
Provides a basis for GEYSERS Logical Infrastructure Composition Layer (LICL)
Infrastructure Services Modelling Framework (SMF)
Creating testbed for dynamically provisioned infrastructure security services
Security Architecture for dynamically provisioned infrastructure security services and trust
Service Extension to open ESB based Cloud
Extension to and integration with the GEMBus/GEANT3 Composable Services testbed
Integration with the GEYSERS Infrastructure Services Virtualisation testbed
Composable Services Architecture (CSA)
Service Delivery Framework (SDF) that defines the services provisioning workflow and
Service
Future Research and developments
• Extension to open ESB based Cloud PaaS development platform and environment
• Extension to and integration with the GEMBus/GEANT3 Composable Services testbed
• Integration with the GEYSERS Infrastructure Services Virtualisation testbed
• Creating testbed for dynamically provisioned infrastructure security services

Architectural Framework for provisioning Infrastructure Services On-Demand (as Cloud IaaS) includes the following components
• Composable Services Architecture (CSA)
• Service Delivery Framework (SDF) that defines the services provisioning workflow and
• Infrastructure Services Modelling Framework (SMF)
• Security Architecture for dynamically provisioned infrastructure security services and trust
management

Demo Scenario: Service Composition, Deployment, Operation
Services Composition Workflow

Testbed Architecture for ESB based Cloud PaaS
Network Infrastructure (NaaS based application optimised)

Future Research and developments
• Extension to open ESB based Cloud PaaS development platform and environment
• Extension to and integration with the GEMBus/GEANT3 Composable Services testbed
• Integration with the GEYSERS Infrastructure Services Virtualisation testbed
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Controller and Network of Brokers

Signals routing:
From("jms:S1_Out"), to("jms:S1_In")
From("jms:S2_Out"), to("jms:S1_In")
From("jms:S3_Out"), bean("logSignal", "logSignal",)

Configuration beans.xml

Contributing projects:
GEYSERS (FP7-ICT-248657) – www.geysers.eu
GEANT3 (FP7-ICT-238675) – www.geant.net

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