



**seacLOUDS**

AGILITY AFTER DEPLOYMENT

Modelling

Planning

Controlling

# Seamless adaptive multi-cloud management of service-based applications

EC-FP7-ICT-610531 project [oct13,mar16]

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# Motivations

- How to deploy and manage, in an efficient and adaptive way, (complex) applications over multiple heterogeneous cloud platforms?

<b>SaaS</b> Salesforce.com Office Live Google Apps	NetSuite Ultimate Software Ariba Concur	Kenexa (IBM) Intacct Salary.com/Genesys
<b>PaaS</b> OpSource NaviSite Savvis	Microsoft Azure Google App Engine Force.com	Cloud Foundry OpenShift AT&T
<b>IaaS</b> Amazon WS IBM EMC	Windows Azure VMs Google Computing Engine VMWare	Rackspace CloudStack OpenStack

- PaaS market still «young», technologically dominated by few big providers
- Lack of standardisation

→ interoperability issues

→ «lock-in» issues



# SeaClouds objectives

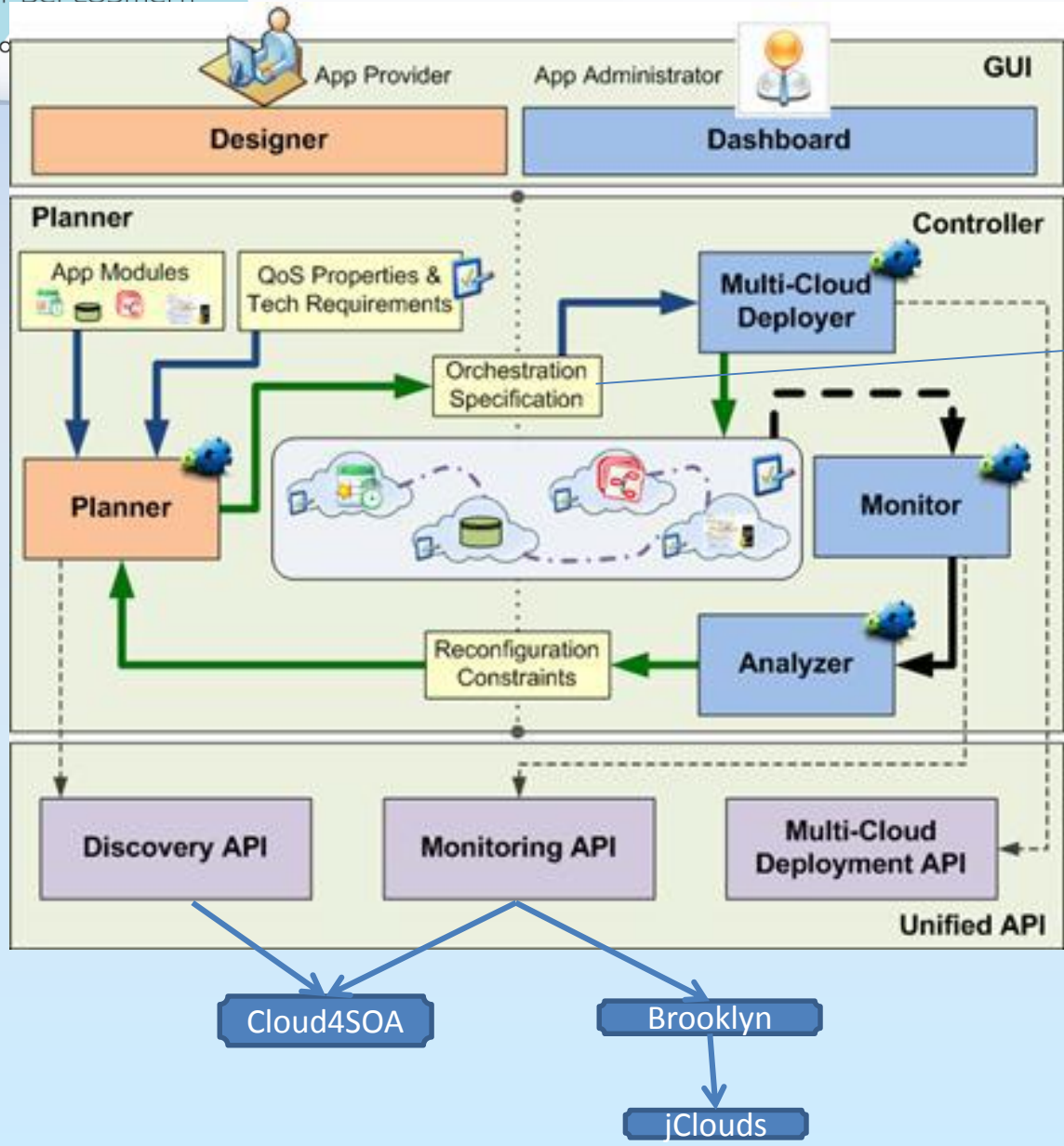
«Agility after deployment»:

enable seamless adaptive multi-cloud management of complex applications, by supporting distribution, monitoring and migration of application modules over multiple heterogeneous (PaaS) clouds

+

Compatibility with emerging OASIS standards (CAMP and TOSCA in particular)

# SeaClouds architecture



TOSCA compliant

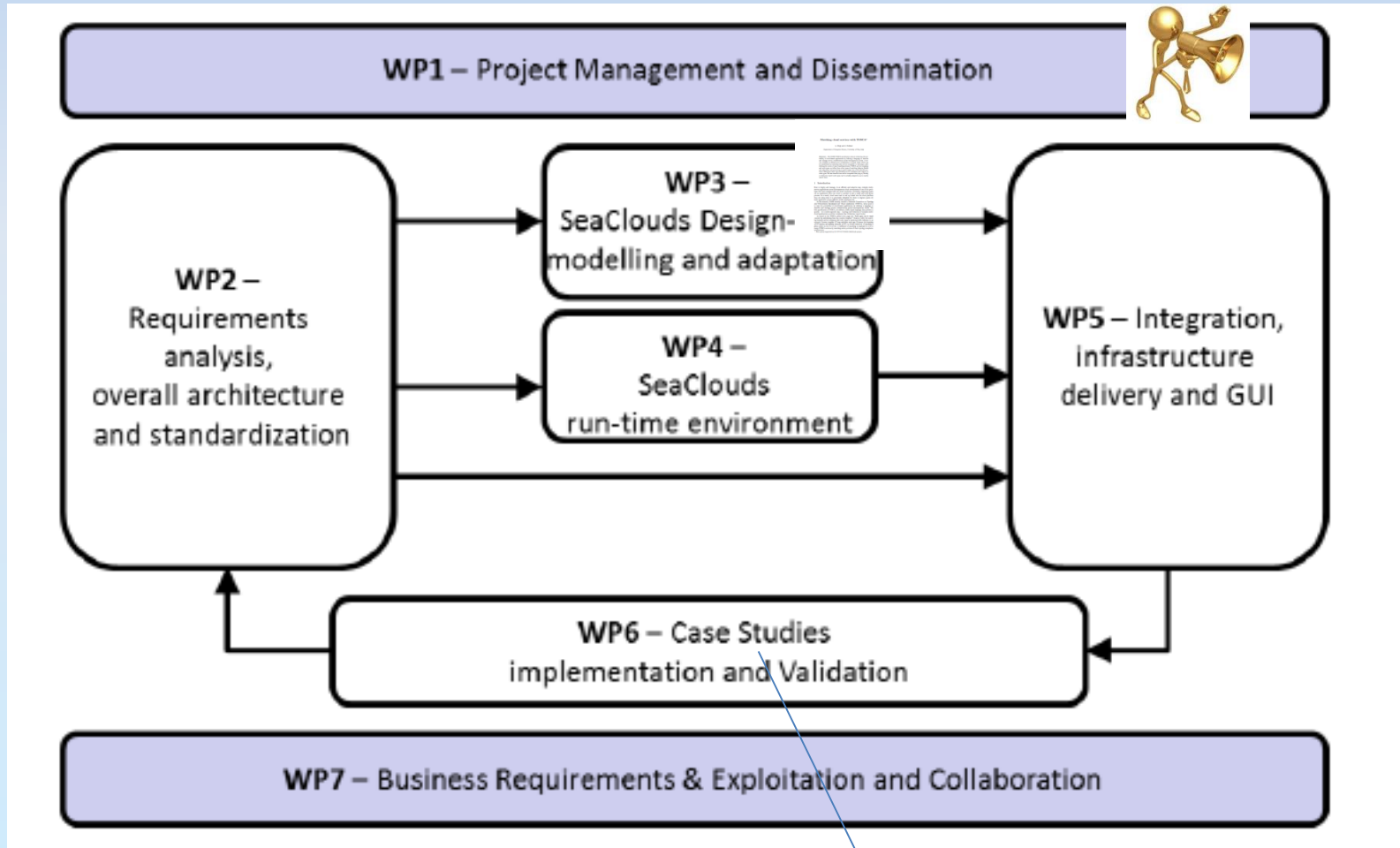
CAMP compliant



# Consortium



# Workpackages



Telemedicine  
Cloud gaming



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