Mario LOPEZ-RAMOS – Thales, France

Co-summit 2015, Berlin

Agenda

- Context
- Objectives
- Achievements
- Use cases
- Impact

Cloud computing?

An overwhelming diversity of providers

EASI-CLOUDS objectives

Federate/broker services and resources from different Cloud providers

Simplify the development and management of cloud-based applications

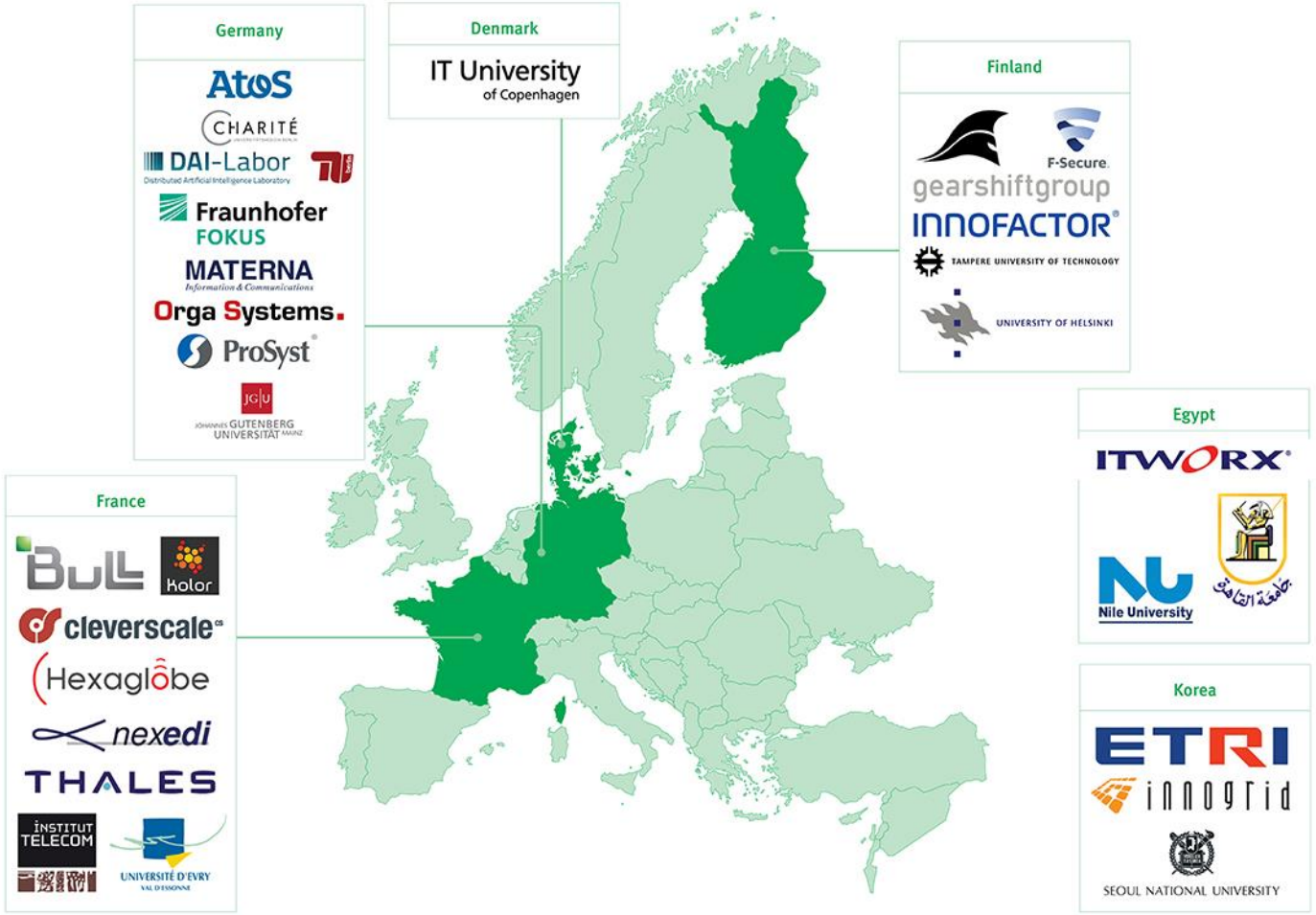
Provide tailored SLA facilities

SLA = Service-Level Agreement

Enable new business models via real-time rating, charging, and revenue sharing

The EASI-CLOUDS consortium

Start date: September 2011 **End date:** March 2015

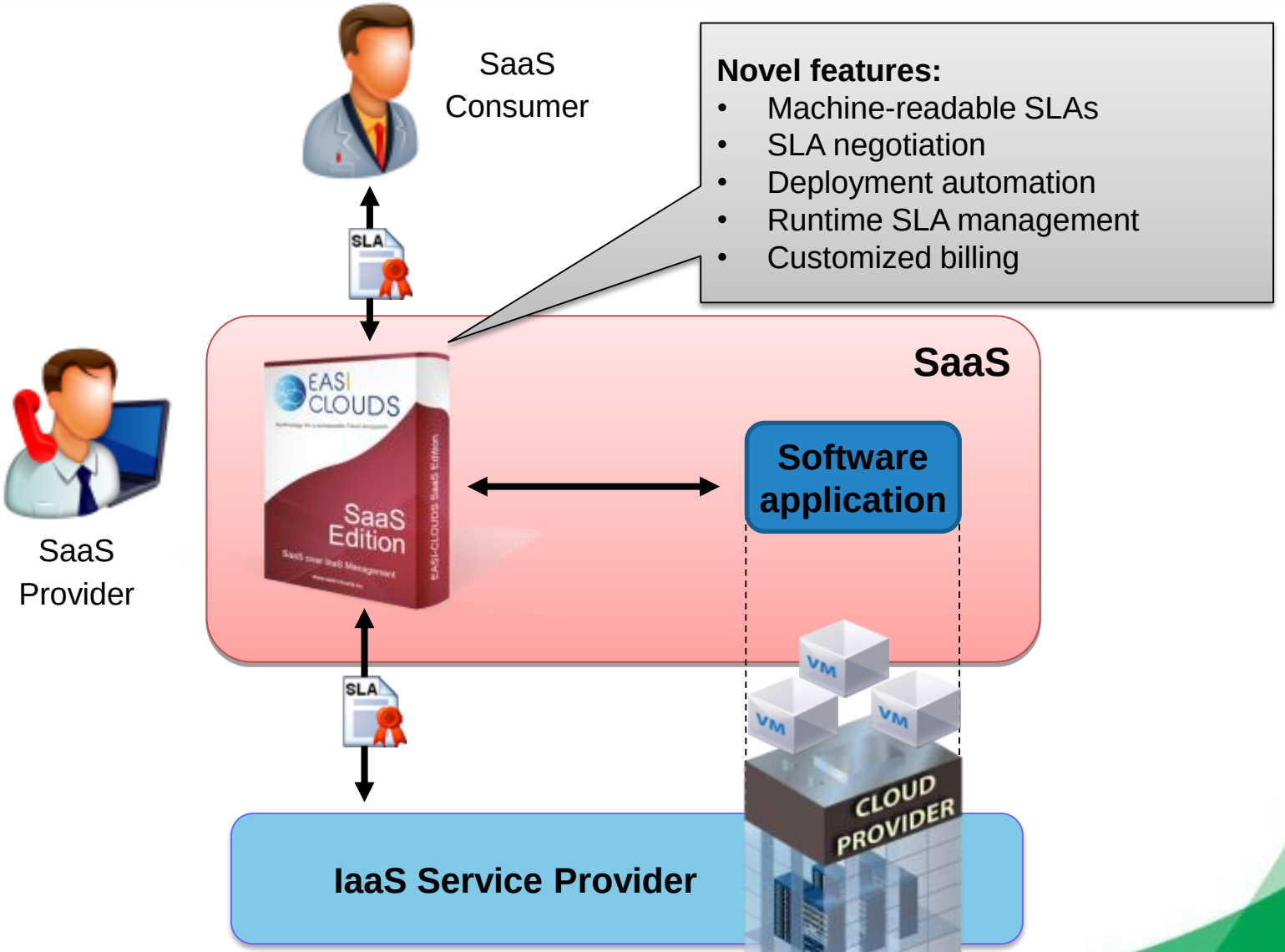


Achievements

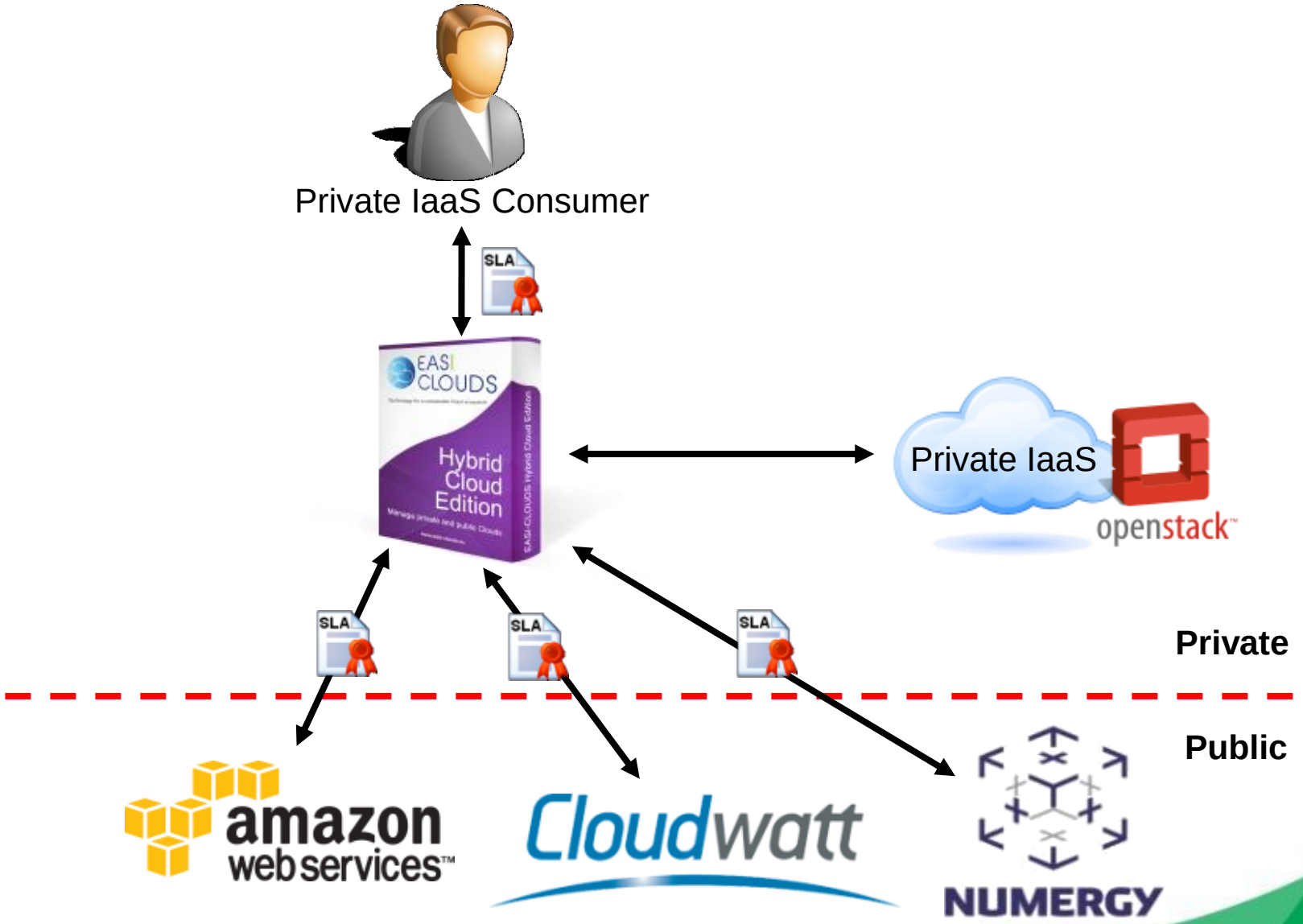
- The EASI-CLOUDS platform, available in 4 editions:

- Added-value services:
  - Cloud development tools
  - Billing as a service
  - Security as a service

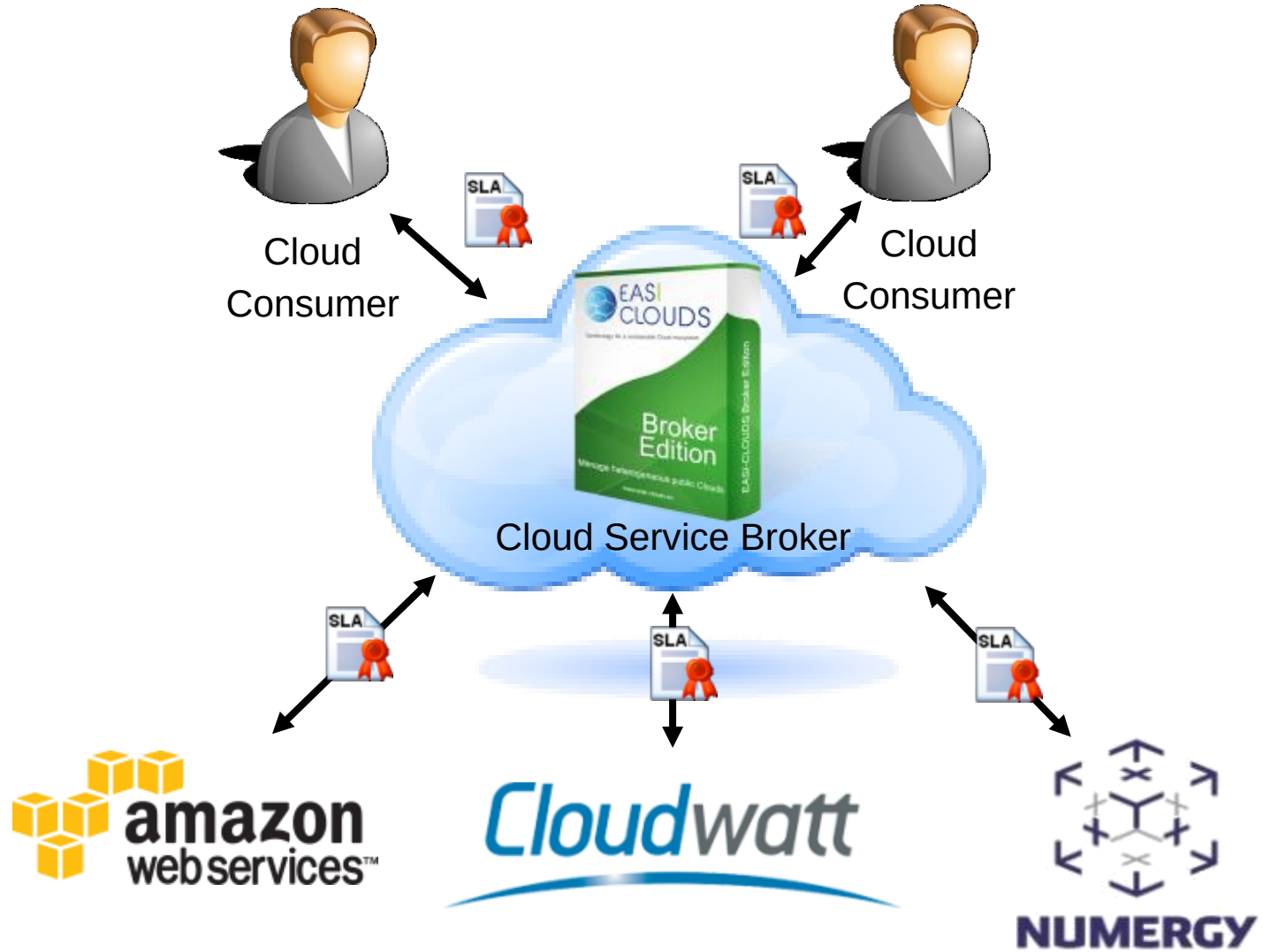
Achievements > Platform >
SaaS enabler



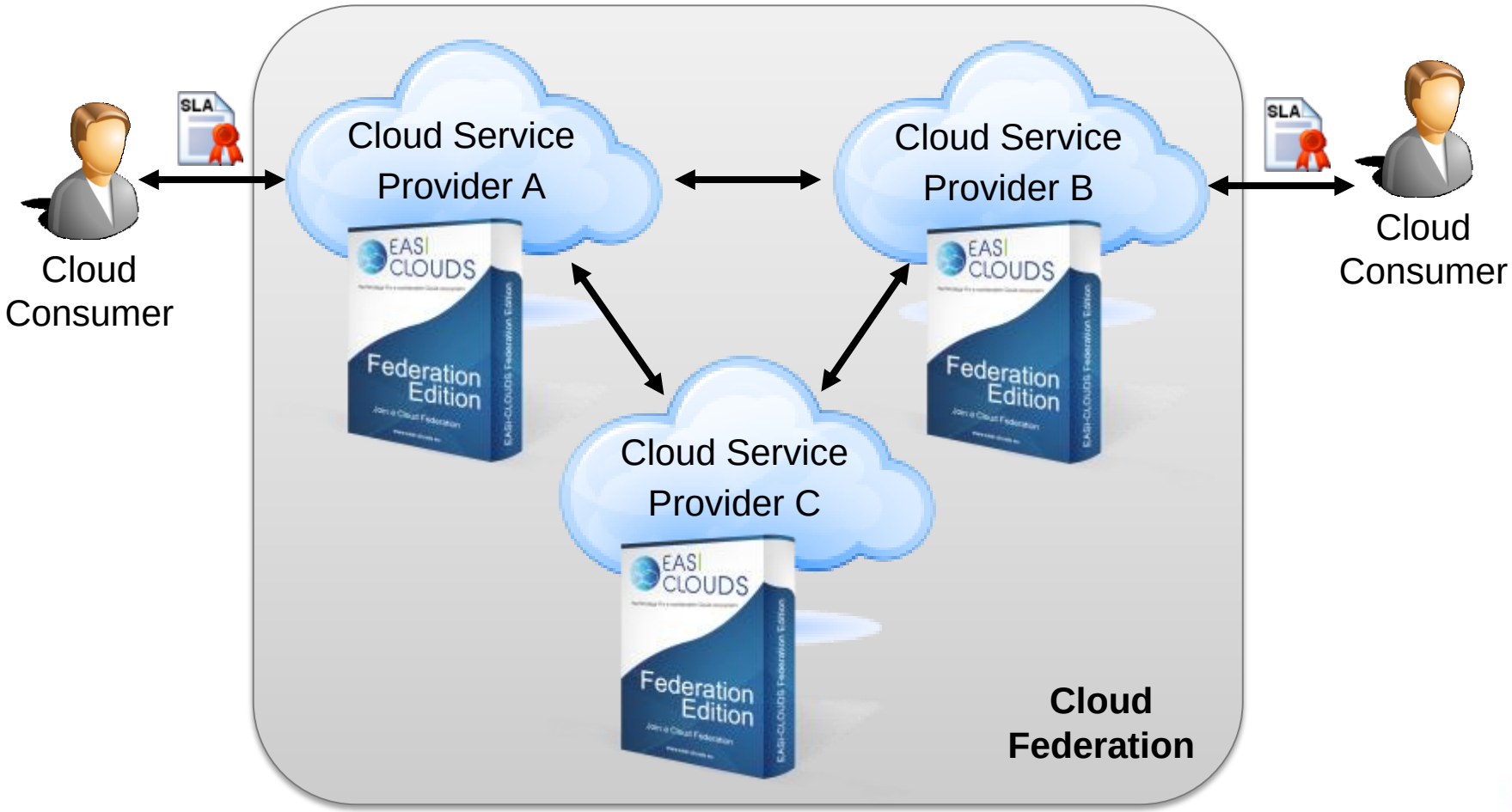
Achievements > Platform >
Hybrid Cloud



Achievements > Platform >
Cloud Brokerage

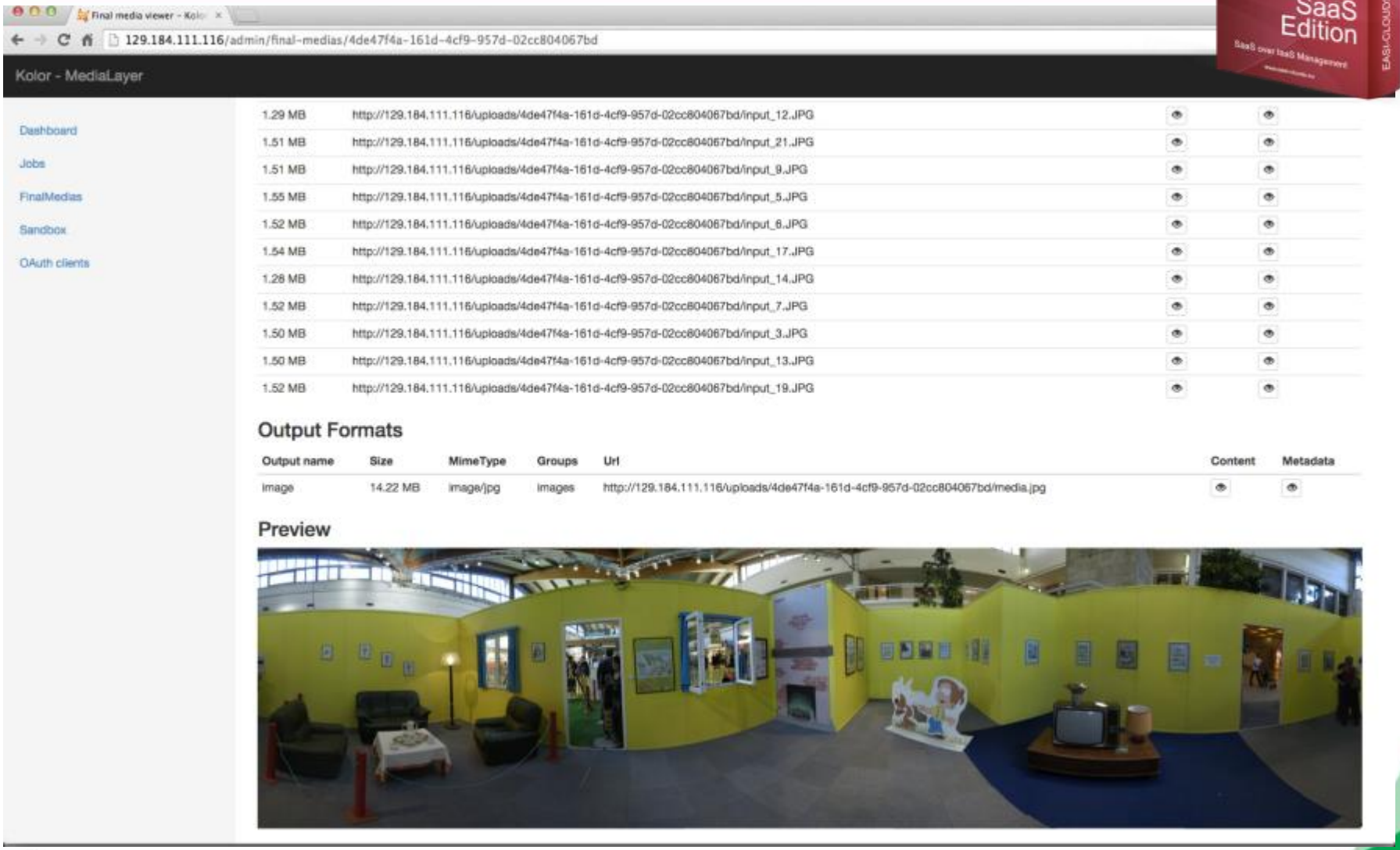


Achievements > Platform >
Cloud Federation

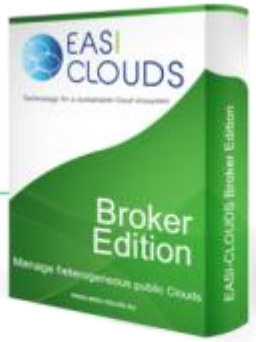


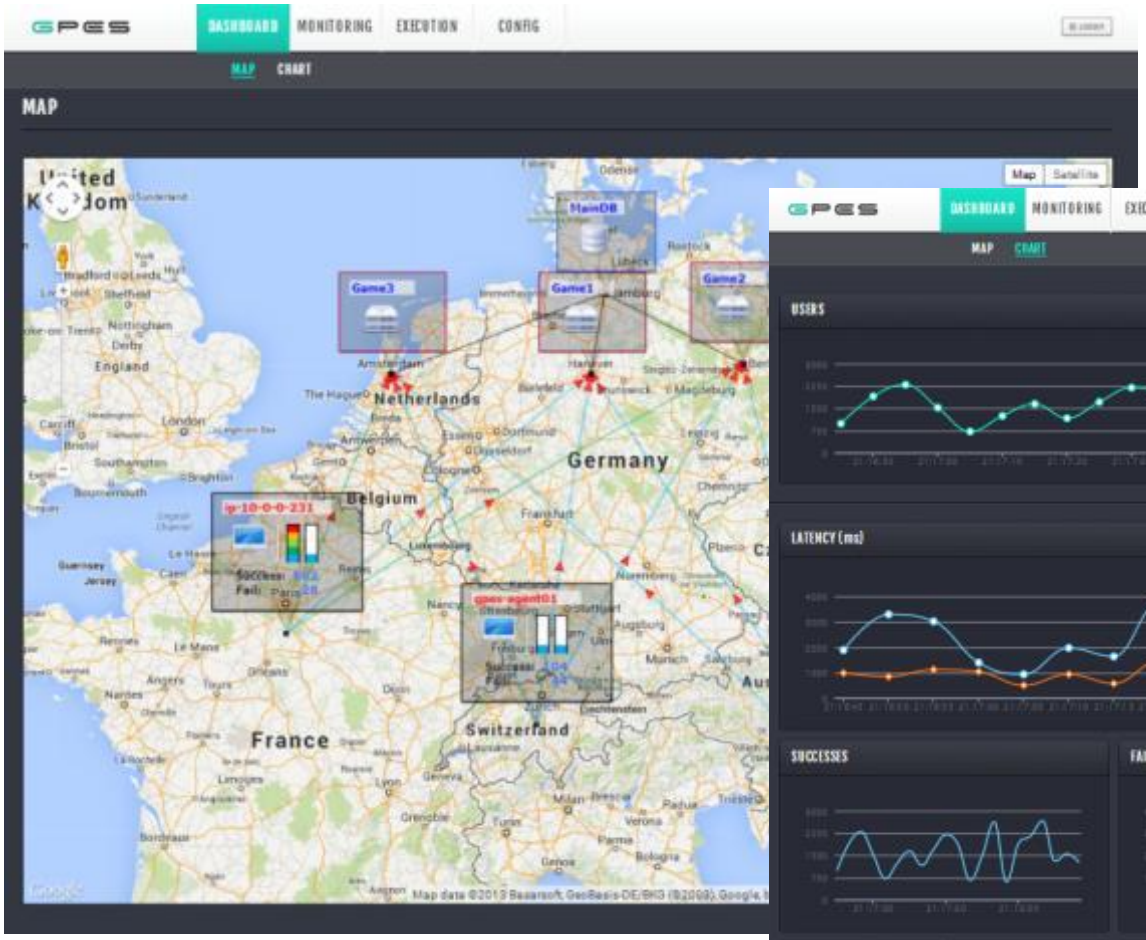
Use Case 1:
Cloud-based brain image processing

Use Case 2:
On-demand photo stitching

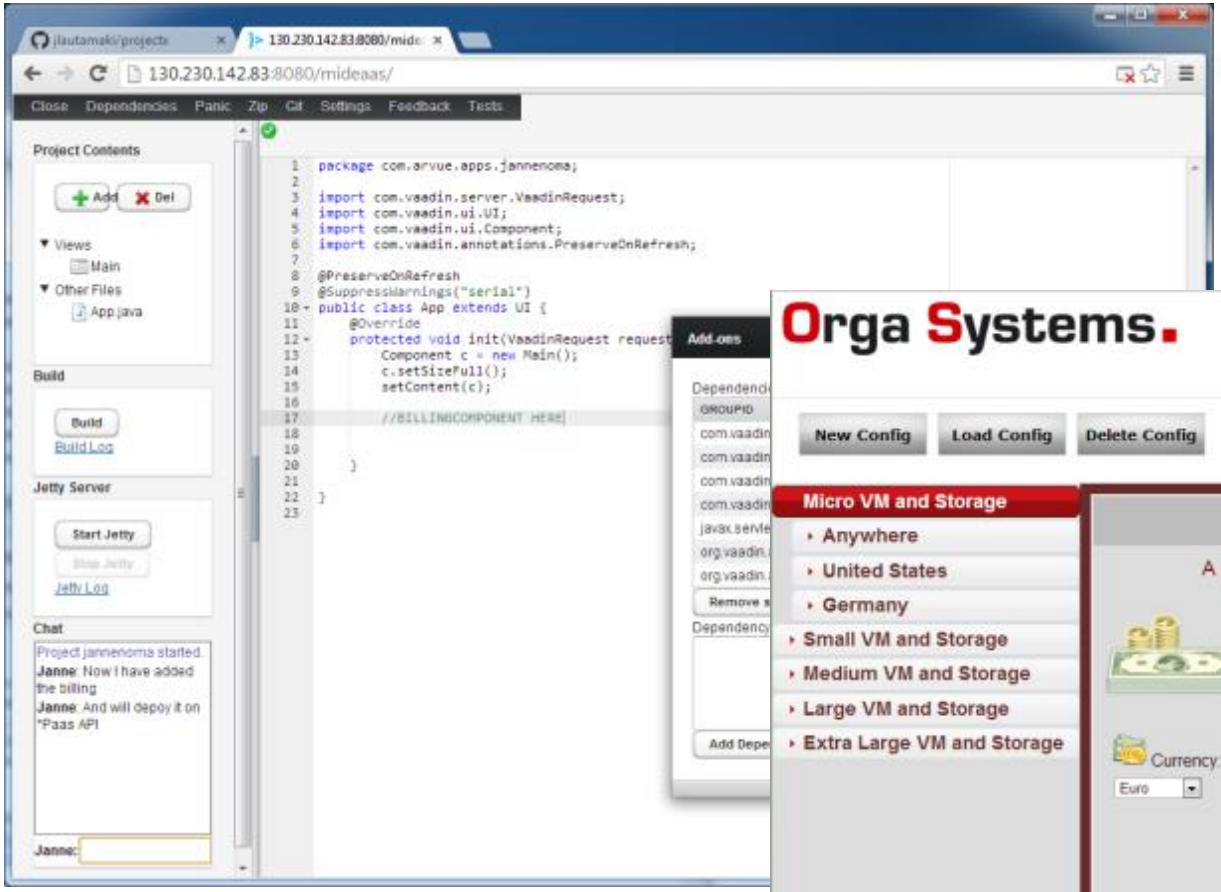


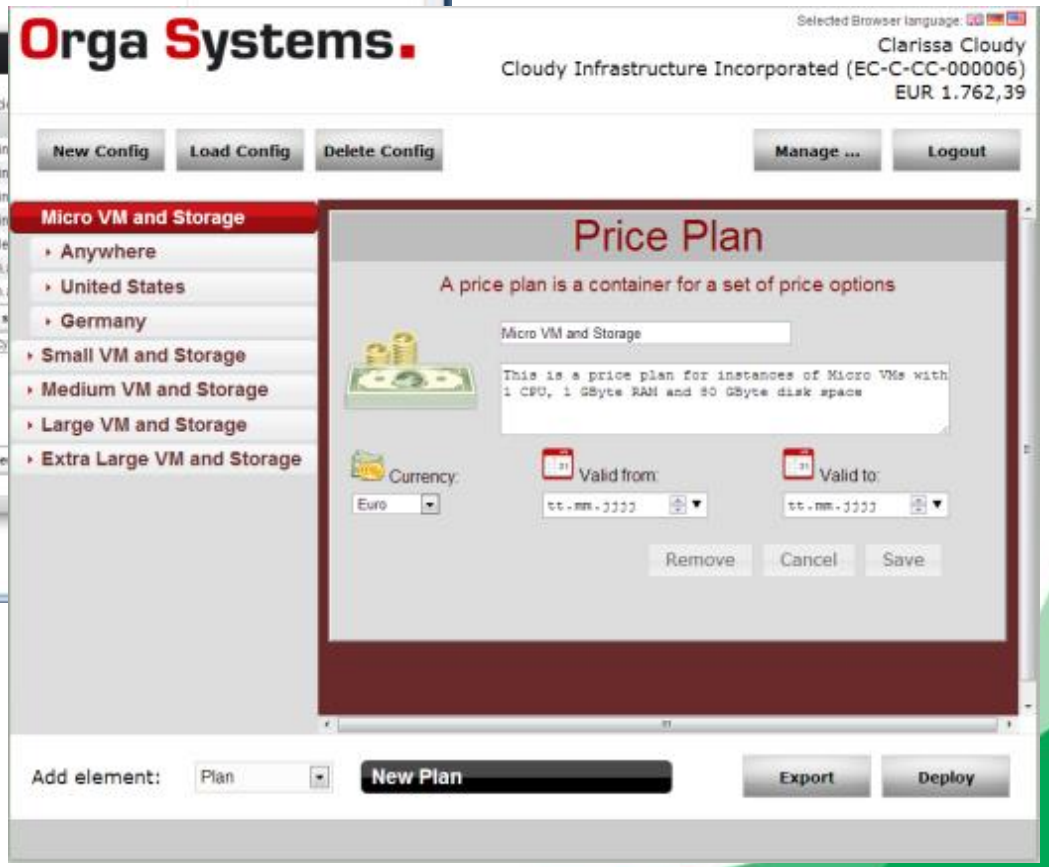
Use Case 3:
Evaluation of game server performance





Use Case 4: Simple development of new cloud services with billing





Several fast exploitation cases

- Orga Systems (DE)
  - New Business Unit Utility established based on results from EASI-CLOUDS and other ITEA projects
- Gearshift Group (FI)
  - Consulted a cloud brokerage firm, promising growth
- SoftwareInLife (KR)
  - Launched csb.io, a cloud marketplace in Korea
- Cloud Orbit & Amenesik (FR)
  - Startups building on the EASI-CLOUDS platform
- Nexedi (FR)
  - Customers testing dynamic CDN technology
- Hexaglobe (FR)
  - New edge computing feature for video on-demand

Involvement of top management

France

France

Germany

Germany

Finland

Egypt

Societal and educational impact

Cloud technologies are new, industry needs skilled professionals!

- Contribution to employability by academia
  - Several PhDs and MSc graduates recruited by industry
  - Enriched university curricula through courses & code camps
- Improved technical and market awareness within companies
  - Internal presentations and workshops
- Dissemination
  - 70+ publications, 30+ conference presentations

Conclusions

- Innovative results in line with the market:
  - An open platform to manage the lifecycle of cloud services
  - Enables varied business models, including cloud brokerage and federation
  - Solutions for billing, cloud development & security

- Concrete exploitation:
  - Several fast exploitation cases (SMEs)
  - Commitment to exploitation from top management (industry)
  - Relevant non-commercial impact (academia)

Thank you for your attention

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