# PaaSage: Model Based Cloud Platform Upperware

## Fact Sheet

### Project Information

<table>
<thead>
<tr>
<th>PaaSage</th>
<th>Funded under</th>
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<tbody>
<tr>
<td>Grant agreement ID: 317715</td>
<td>FP7-ICT</td>
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**Closed project**

<table>
<thead>
<tr>
<th>Start date</th>
<th>End date</th>
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<tr>
<td>1 October 2012</td>
<td>30 September 2016</td>
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**Overall budget**

| € 9 444 086 |

**EU contribution**

| € 7 100 000 |

**Coordinated by**

GEIE ERCIM
France

## Project description

Cloud Computing, Internet of Services and Advanced Software Engineering

Cloud computing is a popular and over-hyped concept in ICT. The concept of infinitely scalable elastic resources changing without complex systems administration and paying only for resources used is attractive. These benefits are not immediately realisable. Within-organisation benefits are realisable at considerable cost. IaaS (Infrastructure as a Service) public CLOUDs have different interfaces and conditions of use thus for an organisation to 'scale out' requires considerable investment using skilled technical staff. The business need is to allow organisations to 'scale out' from their private CLOUD
to public CLOUDs without a technical chasm between. This cannot easily be achieved. Aligned with the EU strategic direction of an open market for services, SOA (service-oriented architecture) offers a way to virtualise across heterogeneous public CLOUDs and organisational private CLOUDs. It opens a market for European SMEs to provide services to be utilised (and paid for) by business applications and for all organisations to benefit from a catalogue of services that can be used across the environment.

PaaSage will deliver an open and integrated platform, to support both deployment and design of Cloud applications, together with an accompanying methodology that allows model-based development, configuration, optimisation, and deployment of existing and new applications independently of the existing underlying Cloud infrastructures. Specifically it will deliver a Cloud Application Modelling and Execution Language (CAMEL), an IDE (Integrated development environment), execution-level mappers and interfaces and a metadata database.

The Consortium bring together ERCIM for management and STFC as scientific coordinator together with experts in different aspects of CLOUDs ranging from software and services (SINTEF), High Performance Computing (HLRS) and systems development environments (INRIA) to a group of SMEs working on CLOUD systems and end-user organisations with requirements in the CLOUD domain.

**Fields of science**

> > >

**Programme(s)**

**Topic(s)**

**Call for proposal**

FP7-ICT-2011-8

**Funding Scheme**

**Coordinator**

![GEIE ERCIM](image)

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<tr>
<th>Address</th>
<th>Activity type</th>
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<td>Other</td>
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<td>€ 960 039</td>
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Participants (22)

CENTRE D'EXCELLENCE EN TECHNOLOGIES DE L'INFORMATION ET DE LA COMMUNICATION

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Cyprus
EU contribution
€ 57 617
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<th>Organisation</th>
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<td>Higher or Secondary Education Establishments</td>
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<td>LUFTHANSA SYSTEMS AG</td>
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<td>LUFTHANSA SYSTEMS GMBH &amp; CO KG</td>
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GESELLSCHAFT FUR WISSENSCHAFTLICHE DATENVERARBEITUNG MBH
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EU contribution
€ 285 285

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UNIVERSITETET I OSLO
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<tr>
<th>Organisation</th>
<th>Country</th>
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<tr>
<td>Universitetet i Oslo</td>
<td>Norway</td>
<td>€ 289,094</td>
<td>Problemveien 5-7, 0313 Oslo</td>
<td>Higher or Secondary Education Establishments</td>
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<td>EVRY NORGE AS</td>
<td>Norway</td>
<td>€ 271,611</td>
<td>Snaroyveien 30A, 1360 Fornebu</td>
<td>Private for-profit entities (excluding Higher or Secondary Education Establishments)</td>
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<tr>
<td>Akademia Gorniczoo-Hutnicza im. Stanisława Staszica w Krakowie</td>
<td>Poland</td>
<td>€ 366,163</td>
<td>Al Adama Mickiewicza 30, 30-059 Krakow</td>
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<tr>
<td>Science and Technology Facilities Council</td>
<td>United Kingdom</td>
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<tr>
<td><strong>Administrative Contact</strong></td>
<td><strong>Keith Jeffery (Prof.)</strong></td>
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  - **Claudie PERDOUX (Mrs.)**

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  - **Activity type**
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  - **Claudie PERDOUX (Mrs.)**