Fact Sheet

Project information

DiVA

Grant agreement ID: 215412
Project website
Status
Closed project
Start date
1 February 2008
End date
31 March 2011

Funded under:
FP7-ICT
Overall budget:
€ 4 966 794
EU contribution
€ 3 510 409
Coordinated by:
STIFTELSEN SINTEF
Norway

Project description

Service and Software Architectures, Infrastructures and Engineering
The goal of DiVA is to provide a new tool-supported methodology with an integrated framework for managing dynamic variability in adaptive systems.

Objective

Context aware software systems that can automatically adapt to changes in their environments play increasingly vital roles in society's infrastructures. Such systems are called adaptive systems. The demand for adaptive systems appears in many application domains ranging from crisis management applications such as disaster management, first-response, transportation control, and power management to entertainment and business applications such as mobile interactive gaming, tourist guiding and business collaborations (e.g., through virtual organizations and dynamic service compositions). This demand is accentuated by the mobile and nomadic nature of many of these domains. The IDC analysts forecast a global increase in number of mobile workers to the level higher than 850 million by 2009. The goal of this project is to provide a tool-supported methodology and frameworks for managing dynamic
variability of co-existing, co-dependent configurations in adaptive systems. This will be addressed through a combination of aspect-oriented and model-driven techniques.

To accomplish this work we have assembled a consortium of leading players within the domains of MDE, aspect-oriented analysis and modelling and variability modelling and partners that provide advanced end user systems and applications where the demand for adaptation is a major concern. Our consortium includes major leaders within the software intensive industry, a tool vendor and leading research partners based in four countries.

DiVA is organised into two phases of 18 months, each phase delivering innovative open solutions. The first phase will build and deliver an initial version of an integrated DiVA framework allowing the case studies to be started. The second phase will be used to improve and disseminate the DiVA framework using the feedback from case studies and experience of the framework use.

Field of Science

/natural sciences/computer and information sciences/software/system software

/social sciences/sociology/governance/crisis management

/natural sciences/computer and information sciences/software

/social sciences/economics and business

Programme(s)

FP7-ICT - Specific Programme "Cooperation": Information and communication technologies

Topic(s)

ICT-2007.1.2 - Service and software architectures, infrastructures and engineering

Call for proposal

FP7-ICT-2007-1

See other projects for this call

Funding Scheme

CP - Collaborative project (generic)

Coordinator Contact

Geir HORN (MR.)
## Coordinator

**STIFTELSEN SINTEF**  
**Address**  
Strindveien 4  
7034 Trondheim  
**Norway**  
**Website**  
**Contact the organisation**  
**Administrative Contact**  
Geir Horn (Mr.)  
**Activity type**  
Research Organisations  
**EU Contribution**  
€ 1 247 438

## Participants (6)

### CAS SOFTWARE AG  
**Address**  
Cas Weg 1-5  
76131 Karlsruhe  
**Germany**  
**Activity type**  
Private for-profit entities  
(excluding Higher or Secondary Education Establishments)  
**EU Contribution**  
€ 392 792

### PURE-SYSTEMS GMBH  
**Address**  
Agnetenstrasse 14  
39106 Magdeburg  
**Germany**  
**Activity type**  
Private for-profit entities  
(excluding Higher or Secondary Education Establishments)  
**EU Contribution**  
€ 271 012

**Website**  
**Contact the organisation**  
**Administrative Contact**  
Alexa Schumacher (Mrs)  
Danilo Beuche (Dr)
<table>
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<tr>
<th>Organisation</th>
<th>EU Contribution</th>
<th>Address</th>
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<tr>
<td>INSTITUT NATIONAL DE RECHERCHE ENINFORMATIQUE ET AUTOMATIQUE</td>
<td>€ 375 664</td>
<td>Domaine De Voluceau Rocquencourt 78153 Le Chesnay Cedex</td>
<td>Research Organisations</td>
<td>Jean-Paul Guillos (Mr)</td>
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<tr>
<td>THALES SERVICES SAS</td>
<td>€ 652 544</td>
<td>Rue Grange Dame Rose 20-22 78140 Velizy Villacoublay</td>
<td>Private for-profit entities (excluding Higher or Secondary Education Establishments)</td>
<td>Nicolas Evain (Mr)</td>
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<tr>
<td>UNIVERSITY OF LANCASTER</td>
<td>€ 548 064</td>
<td>Bailrigg La1 4yw Lancaster</td>
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<td>Yvonne Rigby (Mrs)</td>
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<td>UNIVERSITE DE RENNES I</td>
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| Address                | Rue Du Thabor 2  
|                        | 35065 Rennes Cedex |
| Activity type          | Higher or Secondary  
|                        | Education Establishments |

Website
Contact the organisation

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