

ITEA and Emerging Trends

Our role in software-intensive systems

Technical State of the Union

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5th ITEA Symposium
October 7, 2004, Seville, Spain

Jean-Pierre Lacotte



ITEA

Content

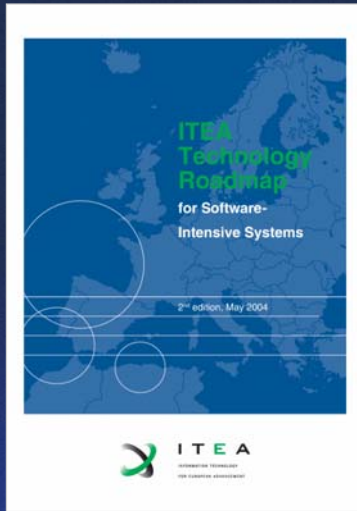
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- New key documents
 - Roadmap 2nd edition
 - Open Source Software
- Project portfolio
- Project mapping
- Outlook Call 7
- Project evaluation process – update
- Schedule Call 8



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New key documents

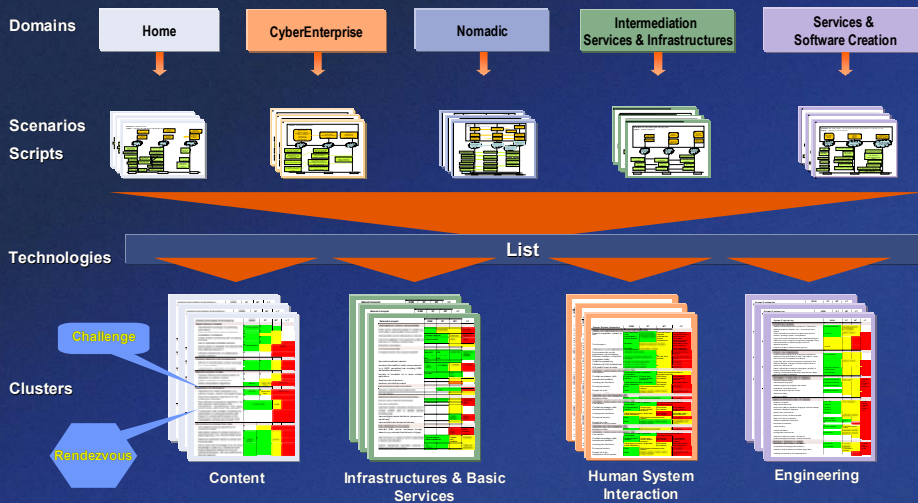


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Roadmap methodology



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Wrap-up of main results

Keys for development and deployment

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The keys for development and deployment of these systems are of two kinds:

- Key drivers for **acceptance** are:
 - Interoperability of products, systems, applications
 - “-ilities”: security, usability, testability, reliability, safety, etc.
- Key issues for **implementation** are:
 - technical: mastering of the size, complexity, adaptiveness, etc...
 - economic: middleware business models, cost



Wrap-up of main results

Basic system features

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Software-intensive systems of the years to come will incorporate mainly four basic features as compared to their present status:

- They will be **dynamic evolutionary systems**
- They will exhibit **adaptive and anticipatory behaviour**
- They will **process knowledge** and not only data
- They will allow the **user to stay in control**

Note: These “high-level conclusions” are thoroughly developed and discussed in the Roadmap



Wrap-up of main results

Overarching issues

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- The overarching issue for the future of software-intensive systems is *design for change (DFC)*
 - Its “Always on” SYSTEMS
 - Continuous modifications in the systems (technology, services,...) and around them (terminals, usage,...)
- The key: *open middleware (APIs)*
 - Interoperability
 - Cost of development, time-to-market, market size

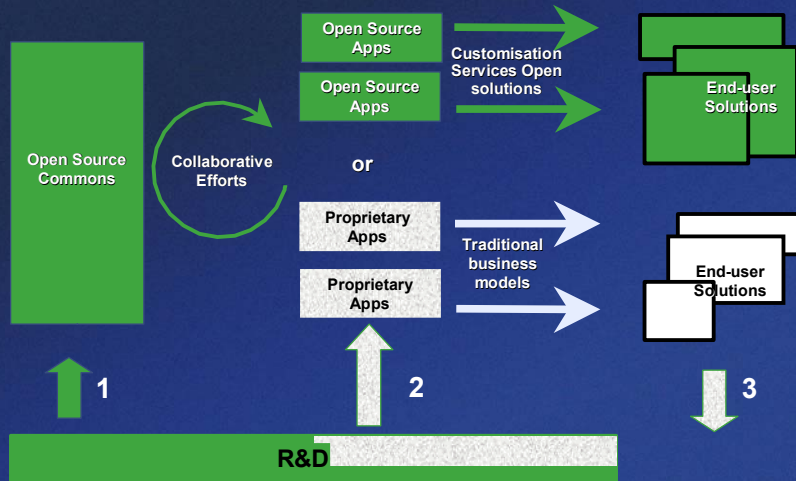
Open Source Software

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- Launched in January 2004
- Analysis of:
 - Technology side
 - Business side
 - Intellectual Property & Legal side
- Downloadable from our website: www.itea-office.org

Open Source Software process



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ITEA project portfolio By numbers

	No. of projects	No. of person-years
Total Calls 1 - 6	61 (excl. stopped)	7 466
Finished	30	4 011
On-going	30	3 355
In-launch	1	100
Stopped	16	1 617

Status September 2004

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ITEA-10



Project success stories Examples

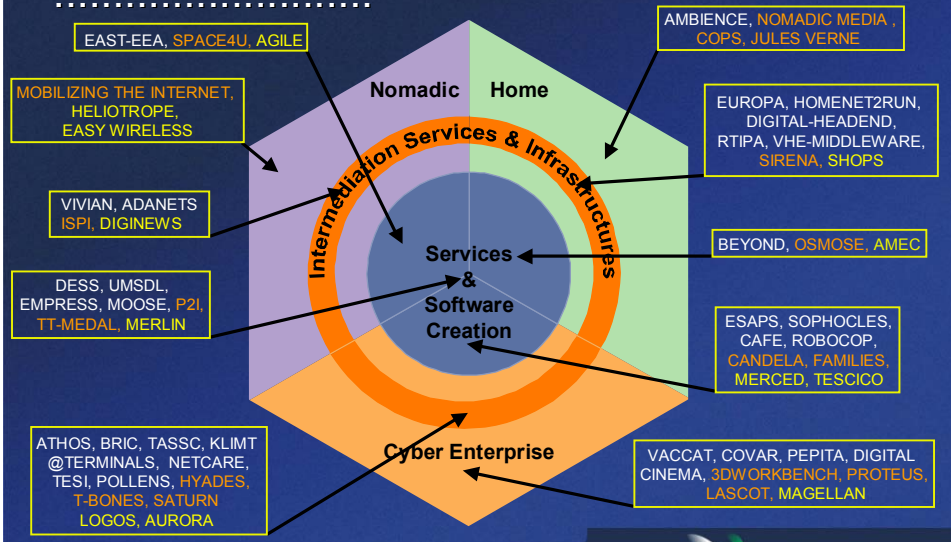
KLIMT (ITEA 00008)
Distribution and integration
 Multimedia content processing services

ADANETS (ITEA 01001)
Adaptive networks and services
 For mobile use and highly personalised environments

EAST-EEA (ITEA 00009)
Embedded Electronic Vehicle Architecture
 Meeting the challenge of integral electronic vehicle control



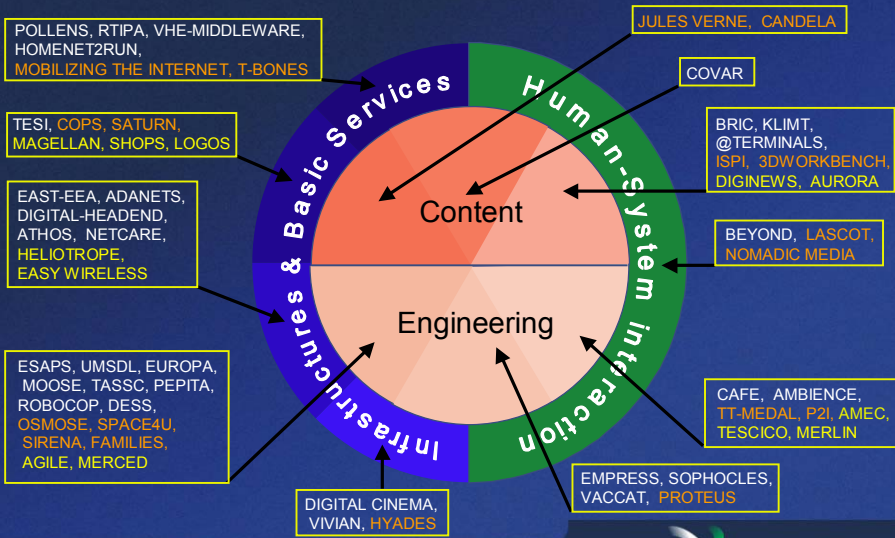
Project positioning vs. Application Domains Calls 1 to 6



Project positioning vs. Technology Clusters

Calls 1 to 6

Finished
 On-going
 Call 6



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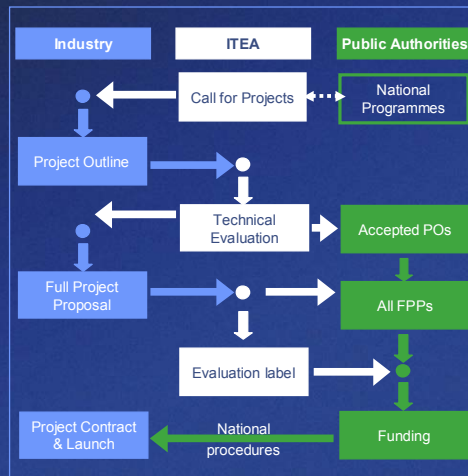
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Call 7

Schedule

Pre-announcement	(November 2003)
Call 7 open	(19-01-04)
PO preparation meeting	(19/20-01-04)
Closure PO	(02-04-04)
Technical Evaluation	
STG	(22/23-04-04)
BSG	(27-05-04)
ITAC	(28-05-04)
FPP preparation meeting	(17-06-04)
Closure FPP	(24-09-04)
Evaluation and Labelling	
STG	(5/6-10-04)
BSG	(27-10-04)
ITAC	(28-10-04)
ISSUE LABEL	(25-11-04)



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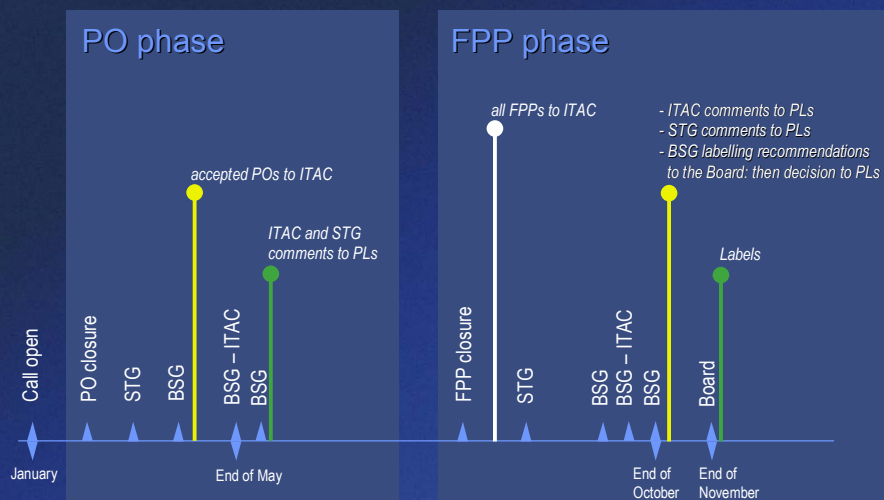
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Call 7 Status

- 45 POs received, for 5114 person-years
- 27 accepted, for 3774 person-years
- POs evaluation: Areas of improvement
 - "State of the art" with clear identification of the new innovative proposal, and coherence with previous or other projects
 - Description of the potential results justifying the level of effort.
 - First approach of WP organisation and goals, and role of each partner in the WP
 - Description of project management especially for large consortia
 - Still several partners have not mentioned contact with their PAs or gave wrong feedback and Consortia do not always fulfill rules of each country
- 21 FPPs received, for 3448 person-years (4 withdrew and 2 merged)
 - Evaluation in process

Project evaluation process update Public Authorities fully in the loop



Call 8 schedule

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Tentative Calendar

- 20 January 2005 Launch
Project Outline (PO) preparation meeting
- 1 April 2005 Deadline submission POs
- April 2005 Review POs
- 22 June 2005 Full Project Proposal (FPP) briefing meeting
- 23 September 2005 Deadline submission FPPs
- October 2005 Project labelling
- Late 2005/early 2006 Project start



Thank you for your attention

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