



INFORMATION TECHNOLOGY FOR EUROPEAN ADVANCEMENT

European research excellence for competitive software-intensive systems and services

State-of-the-Union address
ITEA 2 Symposium 2006, Rudolf Haggermüller - Chairman ITEA 2



ITEA 2 Symposium 2006
State-of-the-Union address

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- ITEA 2 in the European Research Environment
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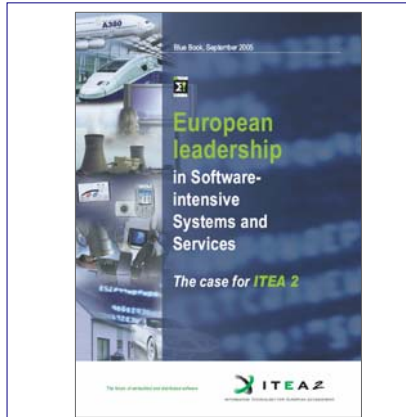
Mission & Ambition:

- Maintain Europe's leadership in embedded and distributed software for software-intensive systems and services
- Contribute research excellence to Europe's competitive software-intensive systems and services
- Combine research excellence with innovation
- Deliver tangible results
- Remain the premier European programme in software R&D

Our partnership strategy is to:

- Remain a bottom-up, industry-driven, pre-competitive R&D programme that complements other national and EU initiatives
- Maintain the close partnership with MEDEA+, our 'twin' among the EUREKA ICT clusters
- Establish a close cooperation with ARTEMIS, our 'twin' among the 'European Technology Platforms'

Technology strategy



- Strategy, scope, objectives, targets
- Programme plan
- Work plan Phase I (2007 – 2010)



- Application domains
- Core technologies

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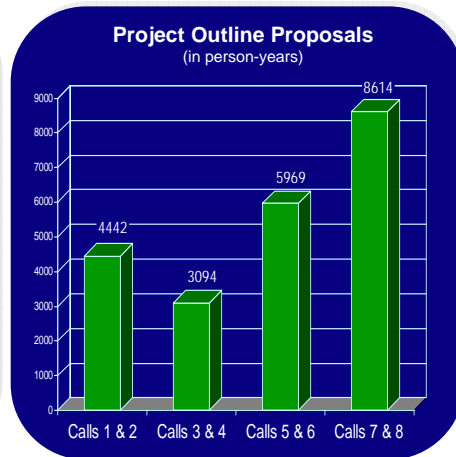
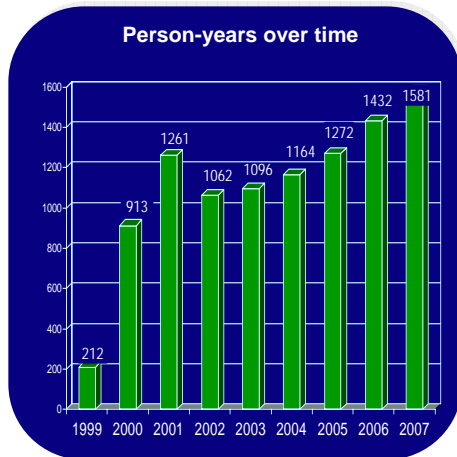


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Continuing growth and success



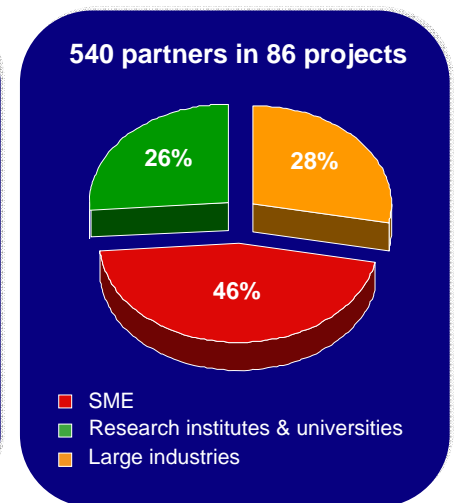
There's growing interest in ITEA



Forecast September 2006

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Growing ITEA community



Status September 2006

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Key activities

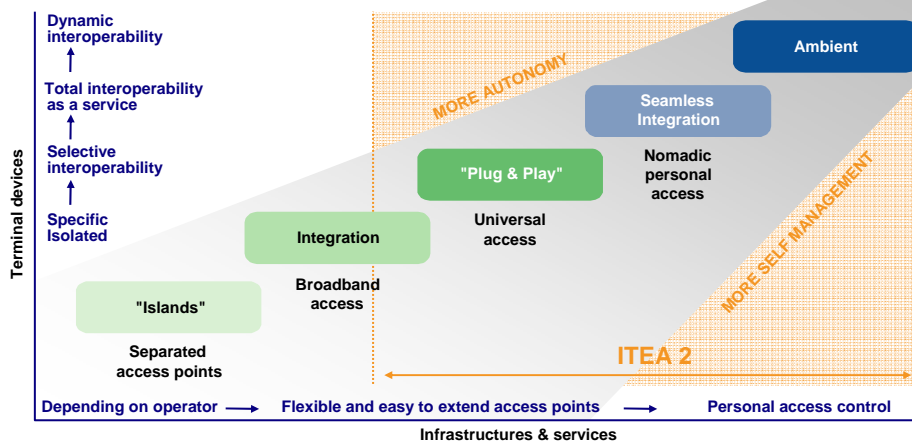


- **Aerospace**
- **Automotive**
- **Consumer electronics**
- **Medical systems and healthcare**
- **Telecommunications**

Challenges



Towards intelligent devices in everyday life



Research Challenges

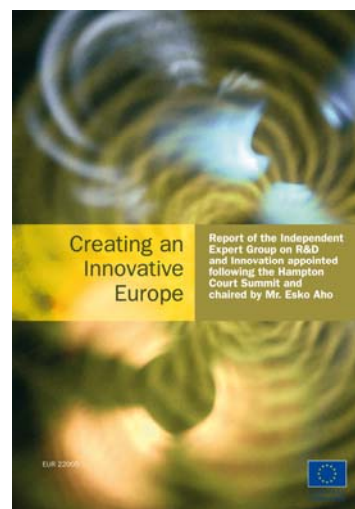
- Engineering adaptive software-intensive systems
- Managing diversity in knowledge
- Evolving software-intensive systems



Source: Beyond the Horizon thematic group on software-intensive systems, 2006

Challenges creating an innovative Europe “Aho Report”, January 2006

- The fact that this society is averse to risk and reluctant to change is in itself alarming but it is also unsustainable in the face of rising competition from other parts of the world
- The lack of demanding, novelty-seeking customers who are willing and able to pay for upgraded, improved or novel services is a major barrier in service innovation which enterprises find it difficult to overcome.





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ITEA 2 and the European Research Environment



European leadership in Software-intensive Systems and Services. The Future of Embedded and Distributed Software.



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European Technology Platforms



ARTEMIS:
Embedded
Systems



ENIAC:
Nano-
electronics

NESSI
Networked
software and
services

E-Mobility
Mobile and
wireless
communi-
cations

Some examples of ICT Platforms

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Competitiveness clusters in Europe

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The map shows Europe with several clusters highlighted in red and blue. Red arrows indicate connections between these clusters. The logos are:

- Point-One**: Pôle de compétitivité en technologies de pointe
- kompetenznetze.de**: networking for innovation
- SYSTEM@TIC**: PARIS-REGION Pôle de compétitivité

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High Tech Campus Eindhoven

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Moving in together
ITEA 2 and
ARTEMISIA

Legend:
 ■ Building plot
 ■ Under construction/development

Eindhoven, Leuven, Aachen,
top technology triangle in Europe

The aerial view shows a large industrial and research campus with various buildings and green spaces. A map in the bottom right corner shows the 'Eindhoven-Leuven-Aachen' triangle, with other cities like Amsterdam, Maastricht, and Liège also marked.

Symposium programme

	Symposium	Exhibition	
Thursday 5 October	14:00	<ul style="list-style-type: none"> Opening address State-of-the-Union address Technical State-of-the-Union address François Loos Rudolf Haggenmüller Gérard Roucairol	
		• Break	
	15:45	<ul style="list-style-type: none"> Project presentations Programme statistics SIRENA MOBILIZING THE INTERNET MAGELLAN Kees van Mourik	
	17:30	• Press conference	Tour PAs / BSG
	18:30	• Closing day-programme	
	19:30	• Apéritif	
Friday 6 October	20:30	<ul style="list-style-type: none"> Dinner Presentation ITEA Achievement Award 2006 	
	08:30	• Registration	
	09:45-11:00	<ul style="list-style-type: none"> Opening address Pole de Compétitivité: New model of innovative ecosystems in the field of Information Technology The role of ITEA 2 in the new German ICT strategy Dominique Potier Manfred Dietrich	
	11:00-12:30	• Break	Tour KNS / Board
	12:30-14:00	<ul style="list-style-type: none"> Flying embedded – software challenges in aeronautics AUTOSAR: standardisation of software architecture in the automotive industry, current results and upcoming developments Ambient Intelligence: What next? Alain Prudhomme Alain Gilberg Emile Aarts	
	14:00	<ul style="list-style-type: none"> Presentation Exhibition Award 2006 + closing Lunch 	

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Thank you **for your attention**

Enjoy the symposium

