



TITRE

Destination Europe – 6 Dec 2012



« Pôle de Compétitivité »

■ Definition

- Geographic concentrations of interconnected companies, suppliers, service providers, research organisations, and associated institutions in a particular field.
- Clusters increase the productivity with which companies can compete through collaborative R&D, customers-suppliers synergies, knowledge sharing, etc.

■ Stakeholders

GOVERNMENT

Ministries
Industry, Education &
Research, Defence ...

LOCAL AUTHORITIES

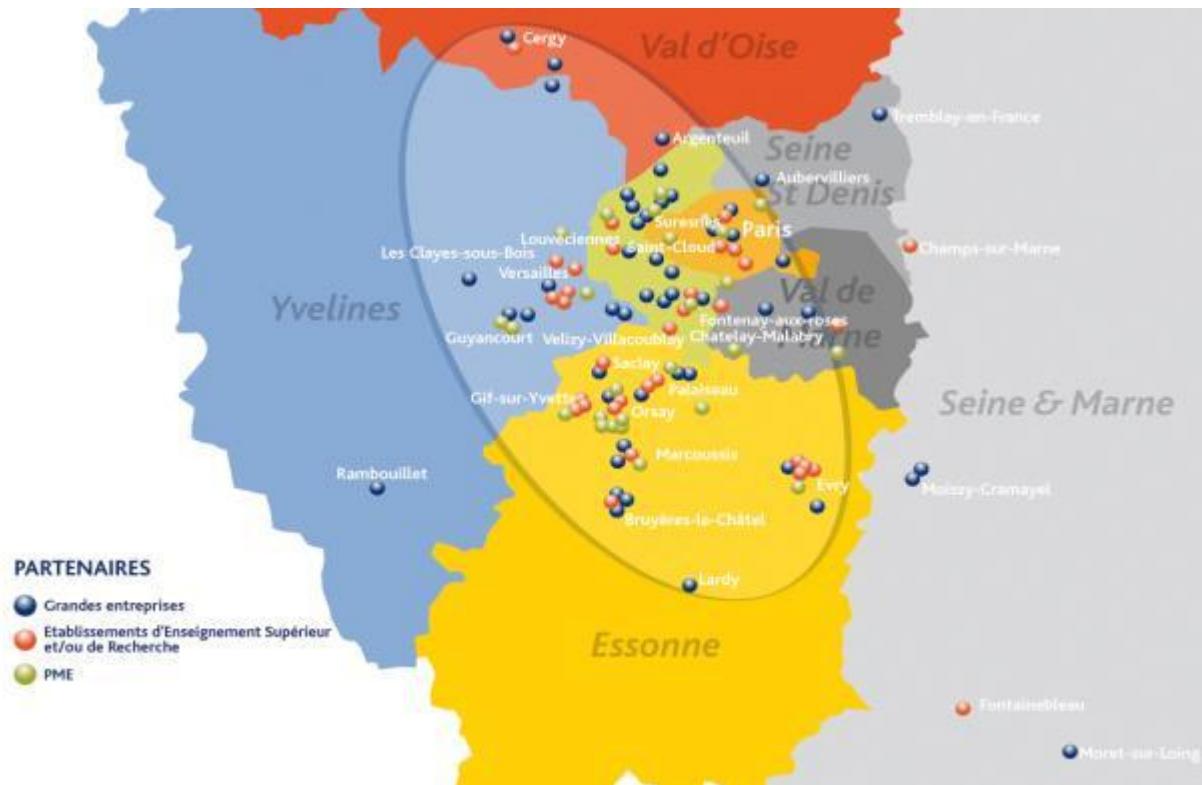
“Régions, Départements,
Communautés de
Communes”

INDUSTRY & RESEARCH

Corporations
SMEs
Research organisations

Systematic: More than 500 active members ...

- 100 Large Companies
- 300 SMEs
- 80 Research Laboratories and Universities
- 102 000 jobs



Systematic was established in 2005

Systematic: Technologies & Markets

Common vision: Digital revolution for industry and services

Technologies

Systems Design and Development Tools



Free and Open Source Software



Applicative markets

Automotive & Transport



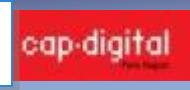
Security & Defense



Telecoms



ICT & Sustainable Cities (2009-2011 Strategic Plan)



ICT & Health (2009-2011 Strategic Plan)



Systematic: R&D projects (2005 - 2010)

257 projects to date

1,2 Billion€ R&D investment

421 M€ public funding

Automotive & Transports



34

Systems Design & Development Tools



91

Security & Defence



50

Telecoms



60

Free & Open Source Software



22

With synergies between projects

Some of our key players...

▪ Automotive & Transport Working Group: **ALSTOM**

- ALSTOM TRANSPORT, ARMINES, CEA, CNRS, CONTINENTAL, DELPHI, FREESCALE, GEENSYS, INRETS, INRIA, INTEMPORA, RENAULT, VALEO, VISTEON



▪ Systems Design and Development Tools Working Group:

- EADS ASTRIUM, CEA, C-S, DASSAULT AVIATION, DISTENE, ECP, EDF, ESTEREL TECHNOLOGIES, FLOWMASTER, INRIA, SAMTECH, SPRING TECHNOLOGIES, THALES, UTC



▪ Security & Defence Working Group:



- ALCATEL-LUCENT, BULL, CEA, EADS, GEMALTO, HGH Systèmes Infrarouges, INRIA, MARTEC, ORANGE, SAGEM DEFENSE SECURITE, TELECOM & Management SudParis, THALES



▪ Telecoms Working Group:

- ALCATEL-LUCENT, Activ Networks, ALTRAN, SUPELEC, EGIDE, FRANCE TELECOM, University Paris-Sud 11 / IEF, INRIA, TELECOM & Management SudParis, THALES, Sequans Com.



▪ Free & Open Source Software Working Group:

- CAP GEMINI, C-S, INRIA, MANDRIVA, NUXEO, Université Pierre et Marie Curie / LIP6, UNIVERSITE PARIS 7, BULL



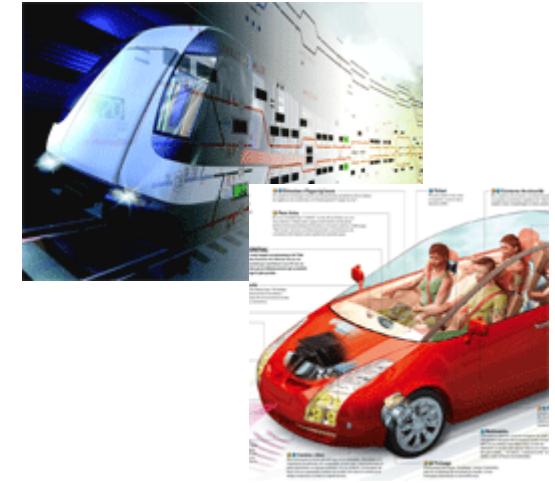
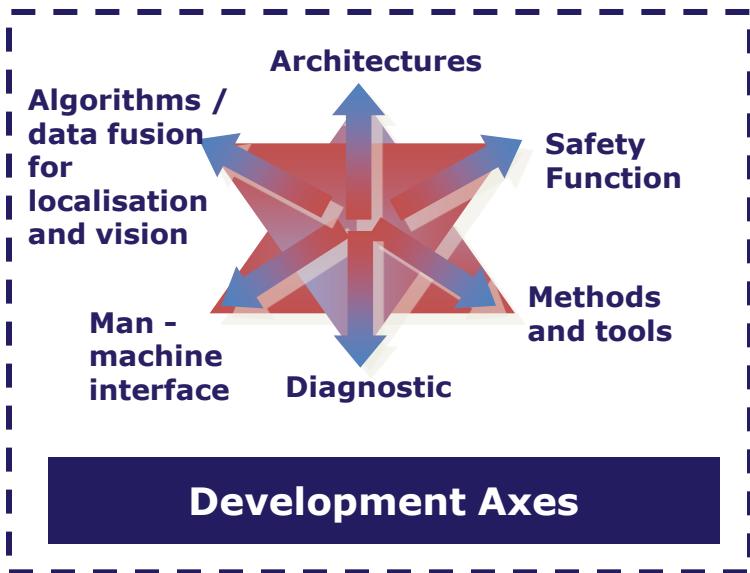
Focus on our Working Groups



Automotive & Transport Working Group

Electronic embedded systems in transport and safety

→ Create a collaborative development platform for embedded software



52 TECHNO-PROVIDERS from Paris-Region are involved in this field

- Funded Projects: 34
- Partners: 71
- including 22 SMEs

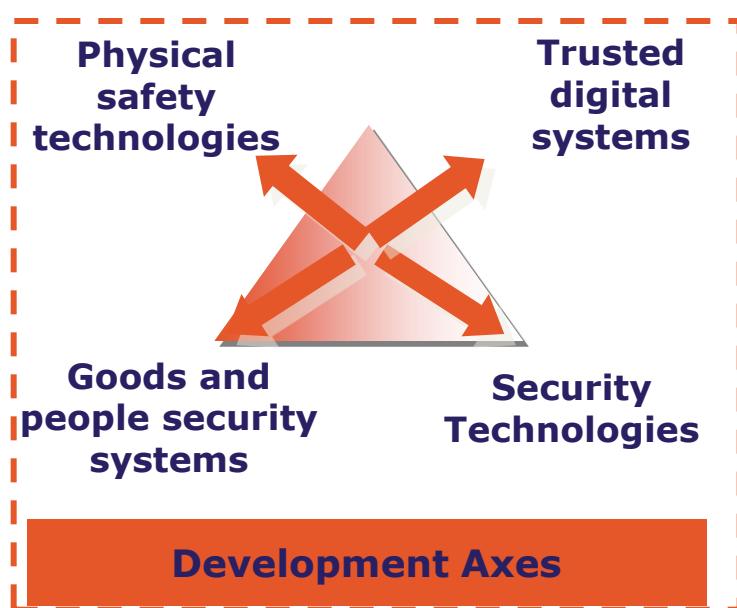
Security & Defence Working Group

Security of critical infrastructures : transportation, energy, decision-making centres, leisure sites...

Security of information systems : e-gov, e-commerce, communication, digital ID



→ Need to secure these systems = development challenges, addressing 2 fast growing markets

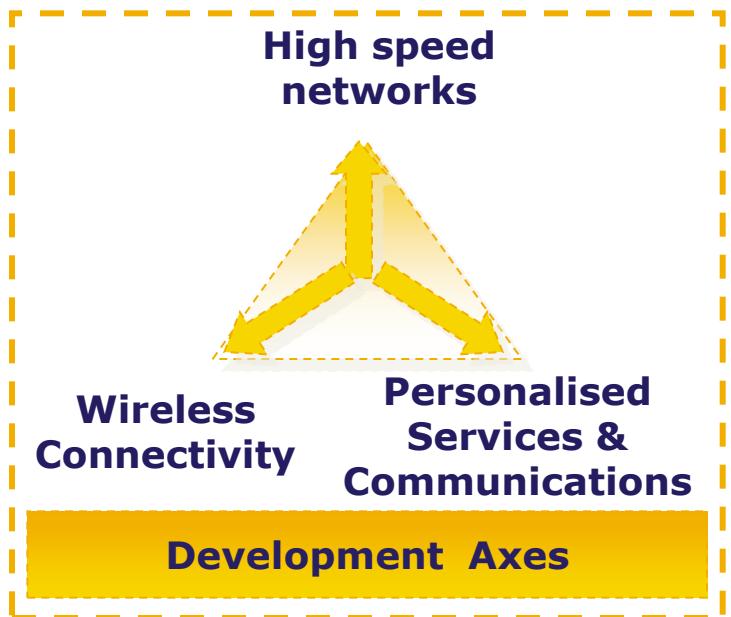
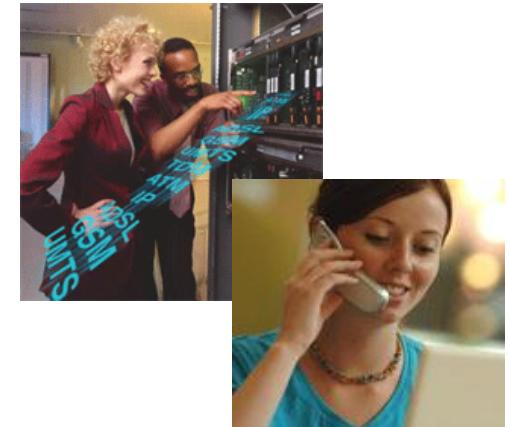


100 TECHNO-PROVIDERS from Paris-Region are involved in this field

- Funded Projects : 50
- Partners : 144
- including 45 SMEs

Telecom Working Group

Develop and distribute services on broadband infrastructures and communication



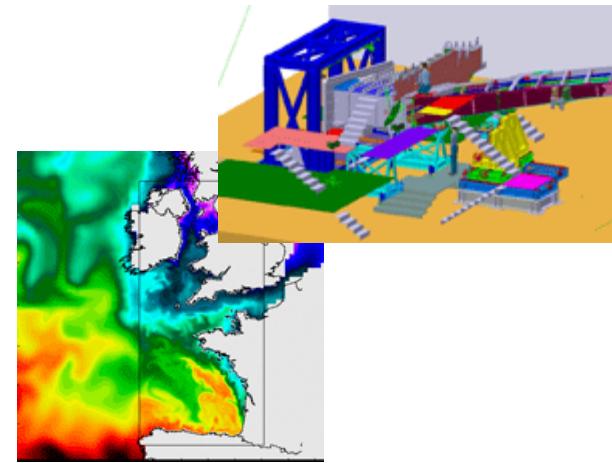
153 TECHNO-PROVIDERS in Paris-Region are involved in this field

- Funded Projects : 60
- Partners : 153
- of which 89 SMEs

Systems Design & Development Tools Working Group

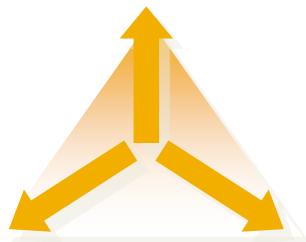
Mastering development risks

Multi-disciplinary simulation and optimisation tools
Systems engineering to satisfy customer needs at
lower cost



→ Develop services software and platforms

High performance computing



Modelling
systems
simulation

Software
engineering

Development Axes

139 TECHNO-PROVIDERS in Paris-Region are involved in this field

- Funded Projects: 91
- Partners: 224
- including 113 SMEs

Free & Open Source Software Working Group

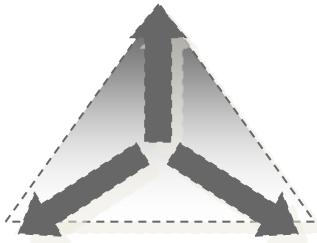
Develop specific R&D projects in Open Source Software

Contribute to the development of Open Source Software

Develop the organisation of innovation coming from the end-users in Open Source Software



Information Systems



Technologies for
open source software
infrastructure

Technologies and tools
for the development of
Open Source Software

Development axes

- Funded Projects: 22
- Partners: 90 members
including 48 SMEs

Europe & International



Partnerships with European clusters

- EICOSE: European Institute for Complex Safety Critical Systems Engineering (ARTEMIS Innovation Cluster)
- INTERREG project SIGNATURE



THE
EUROPEAN
SECURITY
INNOVATION
NETWORK



■ and



Germany

Belgium

Netherlands



Participation in EIT ICT Labs



Complete and complementary world-class innovation hotspots

Berlin

Deutsche Telekom Laboratories



SAP
SIEMENS

Eindhoven



NIRICT

PHILIPS
sense and simplicity



NETWORKED INNOVATION

Helsinki



NOKIA



Paris

RINRIA

Alcatel-Lucent 



LES PÔLES DE  COMPÉTITIVITÉ

Stockholm



TeliaSonera



SICS  **KTH**
VETENSKAP OCH KUNST

+

Associate clusters in Budapest, London, Trento

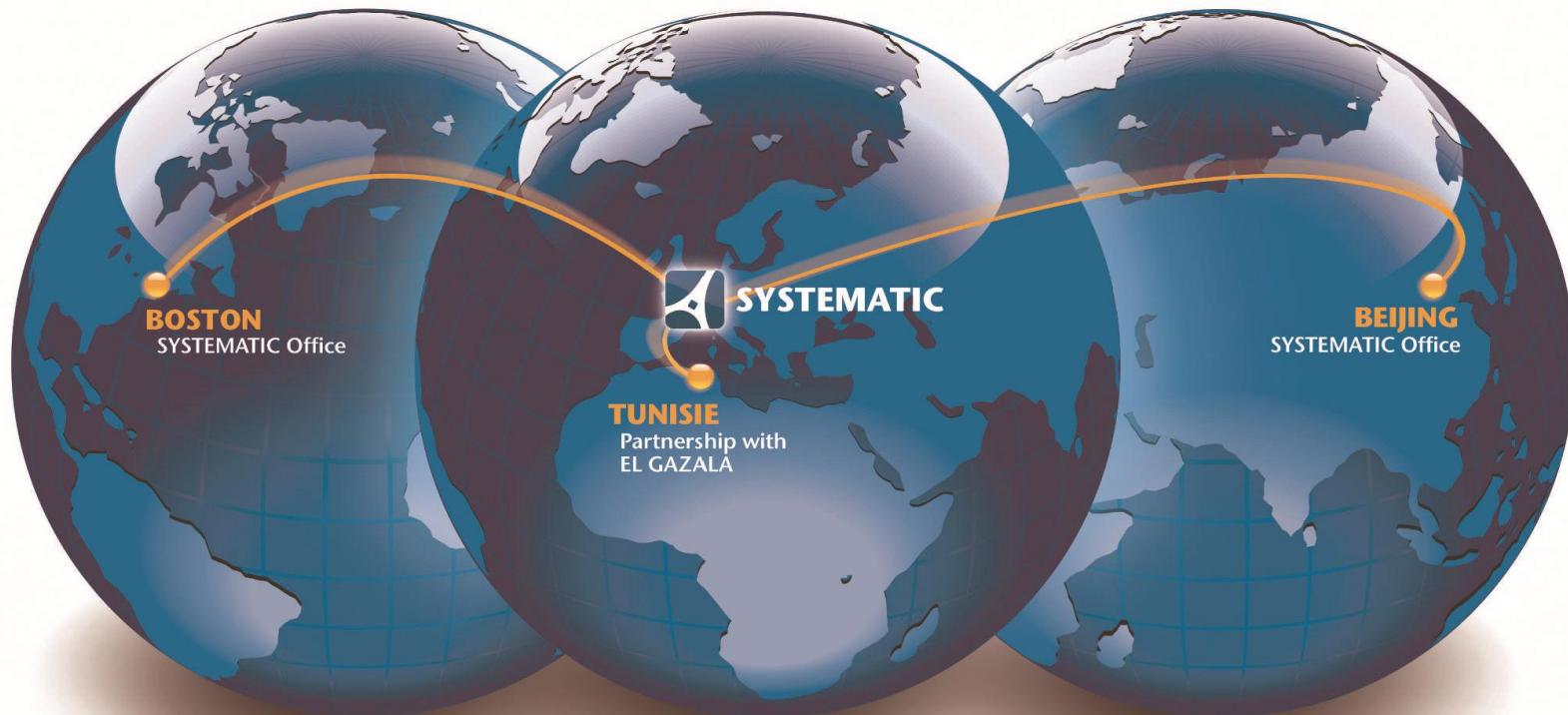
► Each Co-location features at least:

- One strong research institute
- One major university
- One European-based multinational company

- Active regional network of SMEs
- Full national and regional support

Systematic Global « hubs »

Offices in Boston and Beijing:



Thank you for your attention!

Systematic and its projects are supported by



More information:
www.systematic-paris-region.org