

LET'S
CREATE
IT

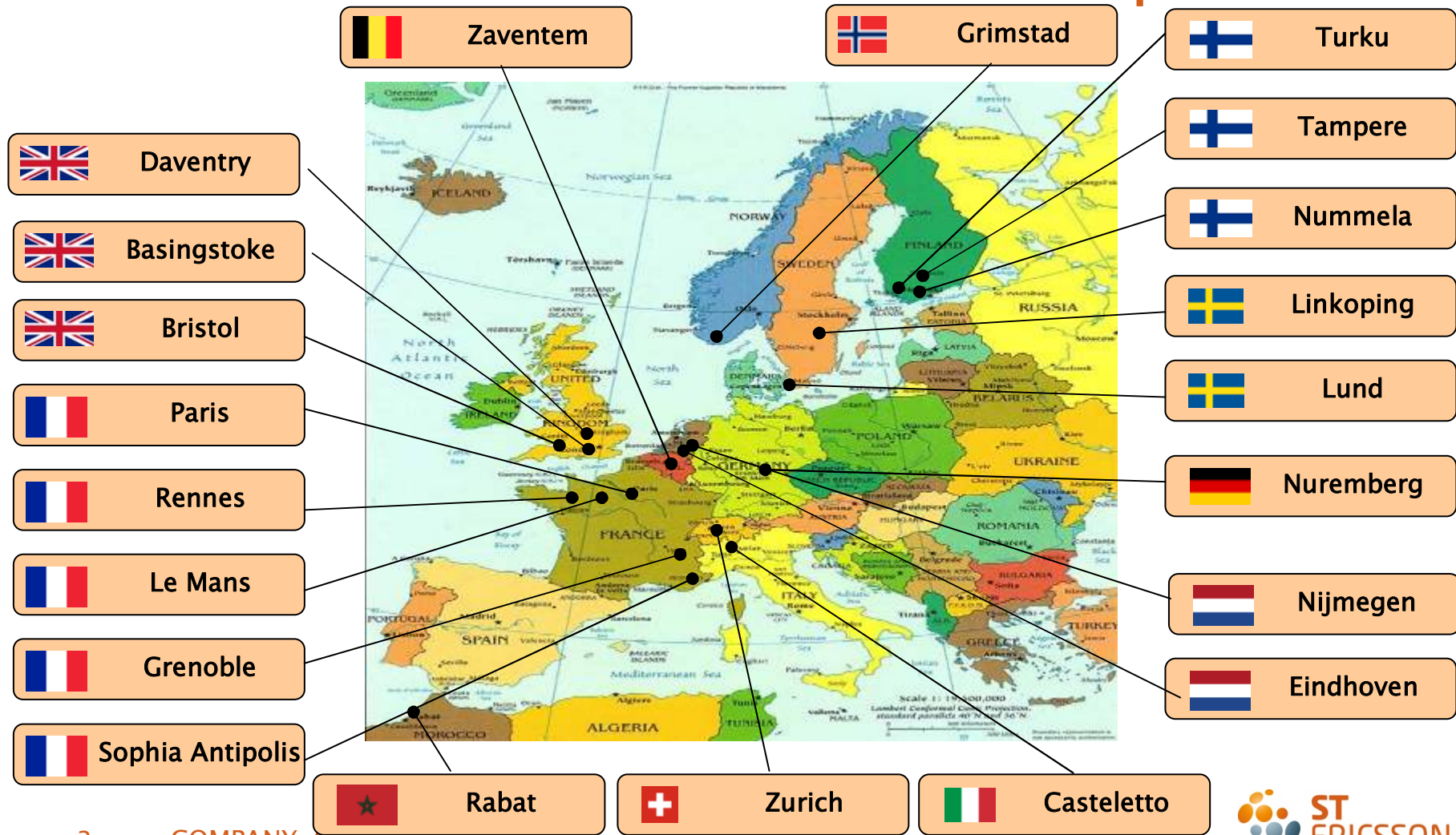
What will be the European vision
for Horizon 2020 ?

Denis ROUSSET Corporate Partnerships & Public Affairs
OCOVA _ Gap – Sept 12th



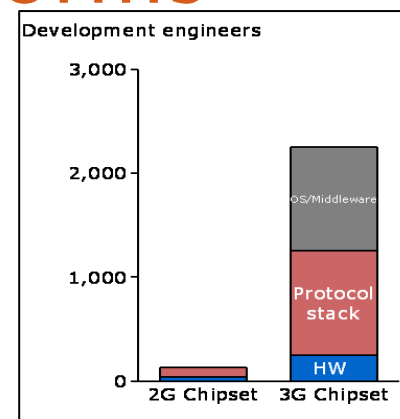
- Complex Situation : Context and Environment
 - European Clusters
 - CATRENE, ENIAC, EUROPEAN COMMISSION FP7
 - Valley of the death for European Industry
- Keeping Positive Attitude to sustain the Activity
- Strategic Alignment with new Objectives

ST-Ericsson's R&D Centers in Europe

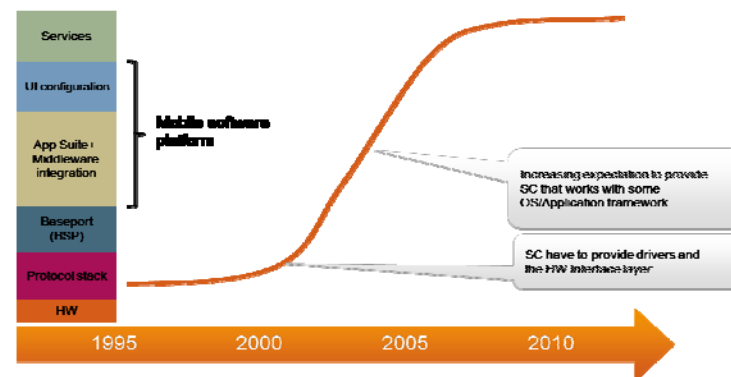


From Components to Platforms

- R&D expense to build and maintain cellular platforms is skyrocketing (\$1B/year)
 - Collection of different complex air interfaces, connectivity modes, different application suites and middleware
 - Complex integration and optimization for high performance but low power and cost
- OEMs shift focus on services, user interface and design
 - SC vendors to provide complete platform solutions - Modem+Apps+connectivity+SW
- Architecting complete platforms *requires* a platform culture and multi-system expertise
 - Multi-market, multi-products and *system* architecture/design/validation expertise needed



OEMs Require SC Companies to Provide More & More SW



Very few companies can sustain SW R&D and fewer know how to optimize wireless platforms

ST-Ericsson : active participation in R&D programs fueling Innovation in France and in Europe

European Projects

(7 PCRDT, JTI ENIAC)

- PANAMA (Power Amplifier)
- HYMALAYA (GNSS)
- MIRANDELA (RF 32 nm)
- ARTEMOS (Agile RF)
- VENTURI (Augmented Reality)

Agence Nationale de la Recherche
ANR

- Technologies Logicielles / Architectures du futur
- Télécommunications
- Matériaux et procédés

Clusters Eureka

- CATRENE (Technologie, Applications...)
- ARTEMIS
- CELTIC PLUS

Programmes Régionaux

- Crolles / Grenoble : Nano 2012
- Rousset : CIMPACA, ...
- Sophia : Platform Telecom

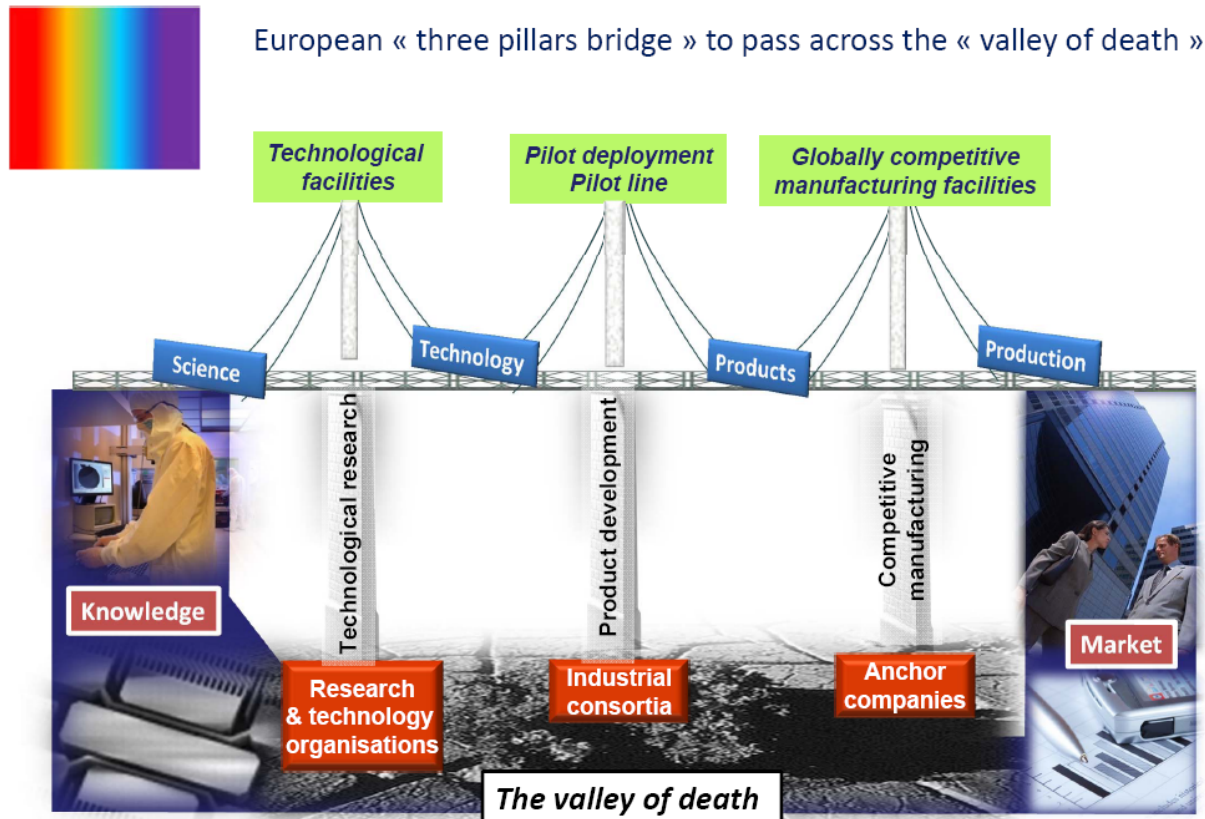
Pôles de compétitivité

- Minalogic (Crolles/Grenoble)
- Solutions Communicantes et Sécurisées (Rousset)
- Images et Réseaux (Le Mans)
- Moveo (Paris)
- System@tic (Paris)

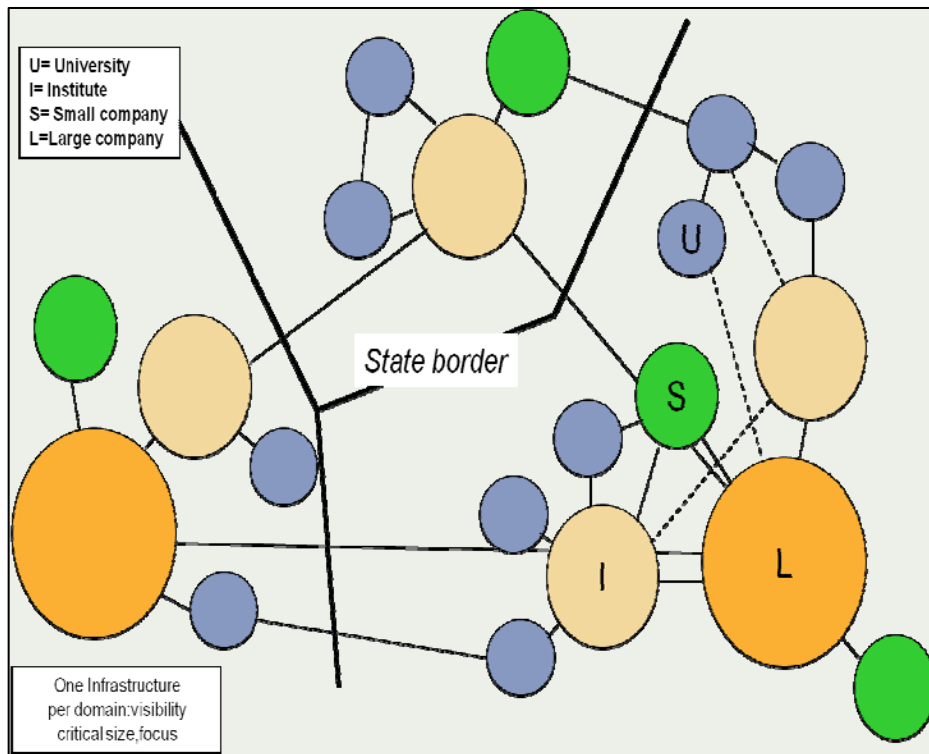
oseo

- Moov3D (Vision en Relief)
- Econ'Home (Box Basse conso)
- ZeWall (Sécurité)

HLG has clearly depicted the European situation while proposing the KET approach for Re-Industrialization



From Regional to European Ecosystem Model



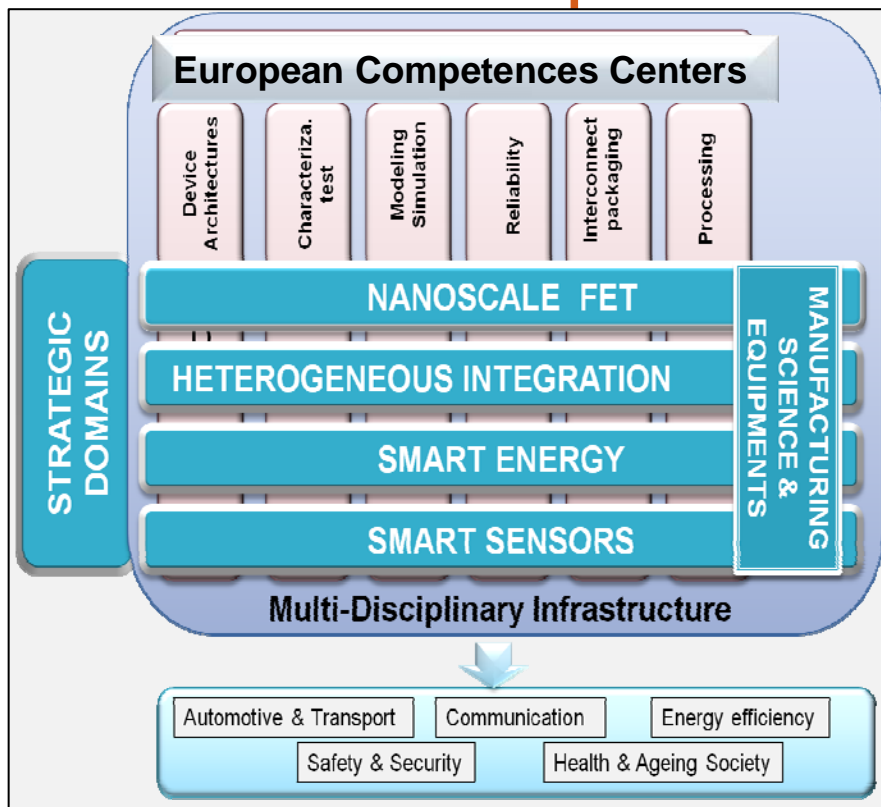
- By capitalizing on **regional ecosystems** the objective is to create a durable Multi-Disciplinary distributed Research and Innovation Infrastructure over Europe which builds upon the existing “strength in depth” that exists throughout the EU.
- Each Program will rely for its execution on an adapted **Infrastructure grouping the key European players** identified to take the lead in this domain and focus the adequate resources.



Prerequisite for a successful collaboration.....

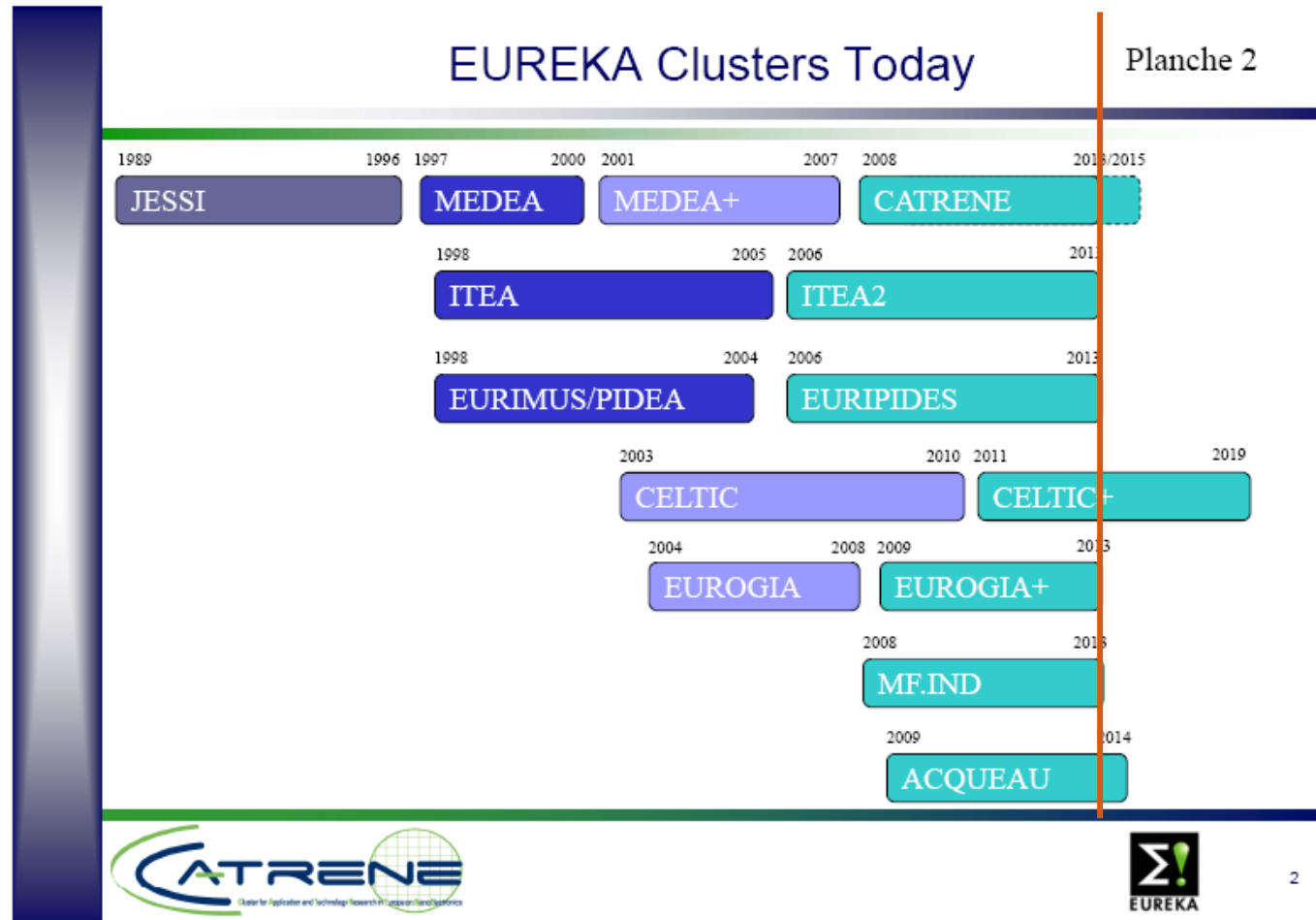
Joint shared priorities

From ecosystem to European Competences Centers



- Focused technological strategic objectives serving advanced applications, and associated R&D activities structured through European Competences Centers will be the pillars of successful innovation in micro/nano electronics.

Most of the clusters will close in 2013 including FP7 from European Commission



It will be more and more difficult to launch new Projects as the closing date will solidify position during 2012.

Horizon 2020 – the Framework Programme for Research and Innovation

- It will enter into force on 1 January 2014, after the end of FP7 on 31 Dec 2013.
- "Horizon 2020 " These different types of funding will be brought together in a coherent and flexible manner :
 - Framework Programme for Research and Technical Development,
 - Competitiveness and Innovation Framework Programme (CIP)
 - European Institute of Innovation and Technology (EIT).
- More details can be found in the press release as well as the website of the European Commission:
 - <http://europa.eu/rapid/pressReleasesAction.do?reference=MEMO/11/435&format=HTML&aged=0&language=EN&guiLanguage=fr> .