



“National cluster initiatives in Europe and their strategies for internationalisation”

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Strategic International Cooperation ***“The Next Step Forward”***

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Outline Presentation

- The European challenge**
- A fruitful tradition of cooperation ...**
- ... can be taken to a higher level**
- Innovation programme "Point One": an "ecosystem in Nanoelectronics and Embedded Systems"**

The European challenge

What we are up against:

- **Emerging economies in Asia**
- **With low cost- and high skilled labour**
- **Rapidly penetrating European markets**
- **A rapidly changing environment**

What we have got:

- **World class industrial players**
- **An excellent knowledge base**
- **European "hot spots" of innovation in nanoelectronics and embedded systems**
- **... And a growing awareness that we must join forces to face our competitors**

The European challenge

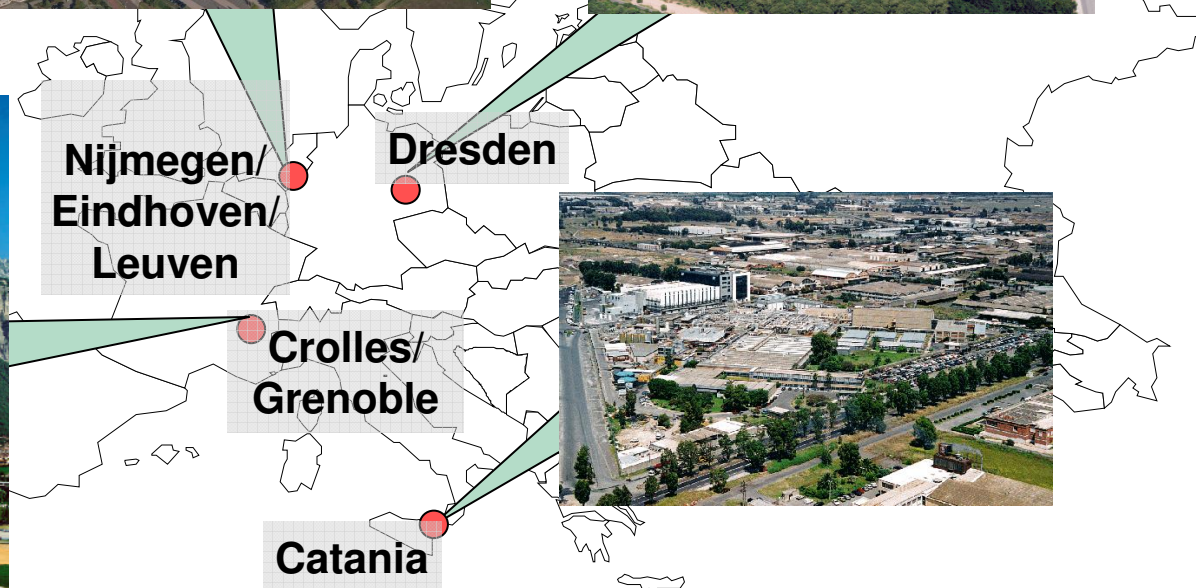
We are not alone...



European R&D ecosystems

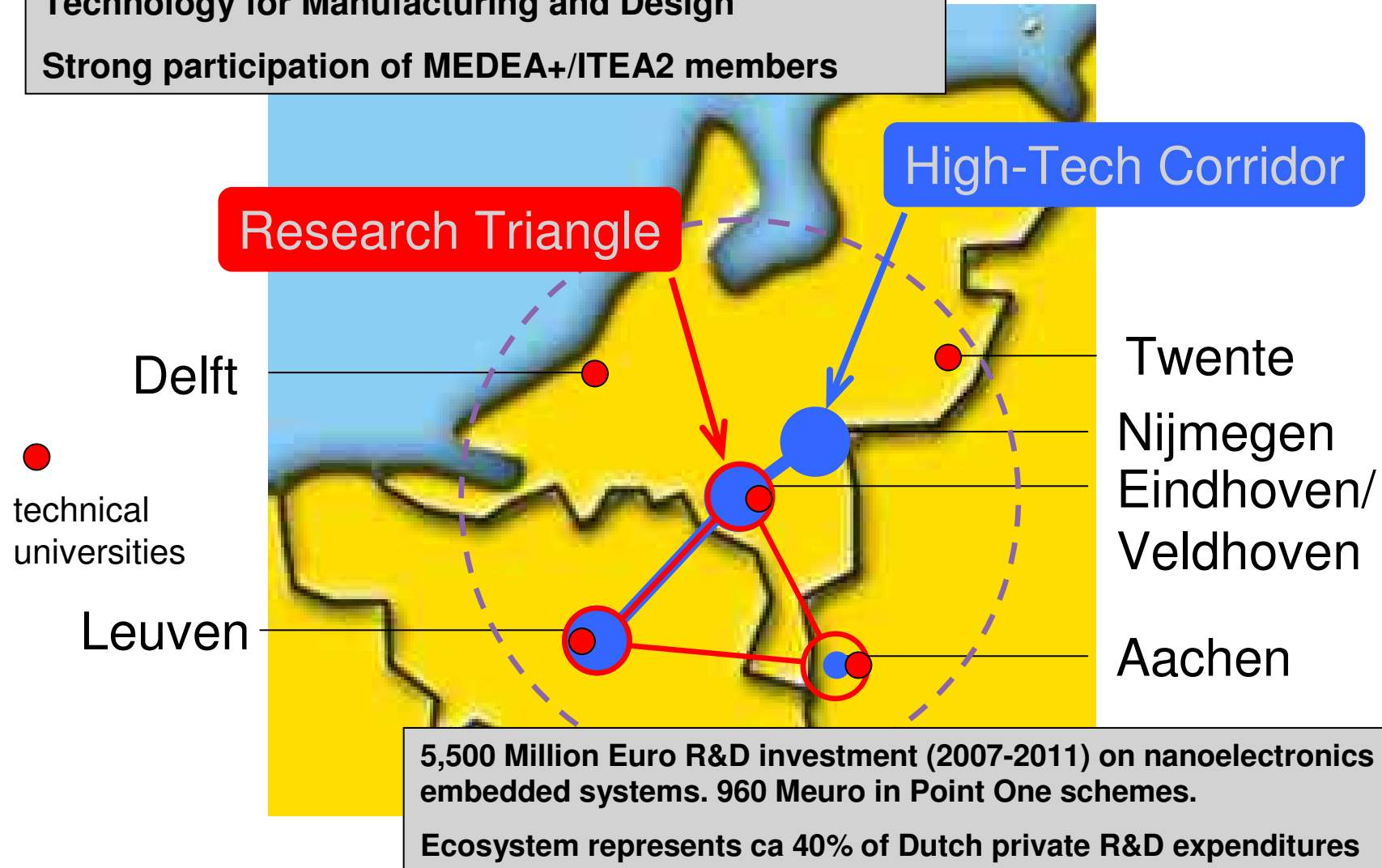
- Thousands of jobs created
- Large indirect impact on local economies
- Local networks with SMEs and Universities

... our potential is excellent



Point One: Euregional R&D ecosystem

Technology for Manufacturing and Design
Strong participation of MEDEA+/ITEA2 members

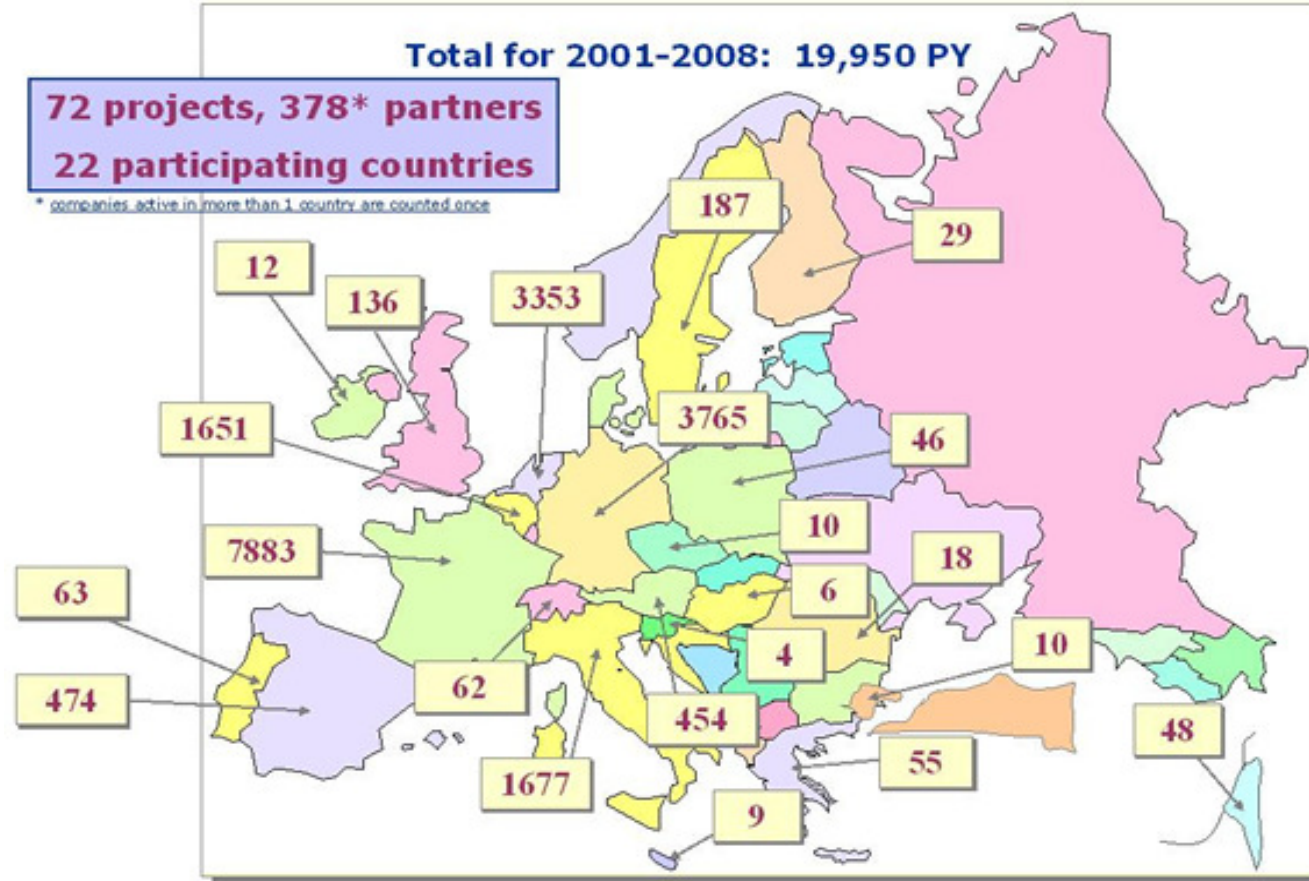


A fruitful tradition of cooperation ...

- National programmes and initiatives**
- Late 1980s: EUREKA-initiative**
New microelectronics clusterprogrammes:
JESSI (1989-1996), MEDEA (1997-2000) and
MEDEA+ (2001-2008)
- Late 1990s: EUREKA-cluster embedded systems:**
ITEA (1999) and ITEA2 (2006)
- EU Framework Programmes for Research and**
Technology Development. FP7 will start 2007
- ENIAC/ARTEMIS "*Joint Technology Initiatives*":**
bringing together national, EUREKA and EU-
programmes

A fruitful tradition of cooperation ...

MEDEA+ status 2001-2008 (running and finished projects)



... can be taken to a higher level



Point-One

Pole of innovative technology on nanoelectronics and embedded systems

... can be taken to a higher level



An Innovation Programme similar to the French concept of *Pôles de Compétitivité* founded by Philips, NXP, ASML, ASM international

Triggered by joint visit Ministers Patrick Devedjian and Brinkhorst to Minalogic Grenoble/Crolles, in April 2005

Ambition:

- **Developing a European Centre of Excellence in nanoelectronics and embedded systems;**
- **Strong market position towards US and Asia;**
- **Substantial growth in turnover by Point One partners: 30% € 20 -> € 26 billion in 2011**

Point One

Why this programme?

- **This "R&D eco-system" represents 40% of the private Dutch R&D expenditure**
- **It has a clear international ambition;**
- **It strives for excellence;**
- **Based upon a Strategic Research Agenda;**
- **With profound impact on economic growth;**
- **Genuine commitment by all stakeholders: public and private;**
- **An open structure and substantial involvement of innovative SMEs;**
- **A high level of risk and innovation;**
- **A clear role for public authorities;**
- **A substantial contribution to the Lisbon Agenda.**

Point One focus

Four strategic action lines

1. Strategic research initiatives

2. Open Innovation Institutes

3. Human Capital (knowledge interaction between industry and academia)

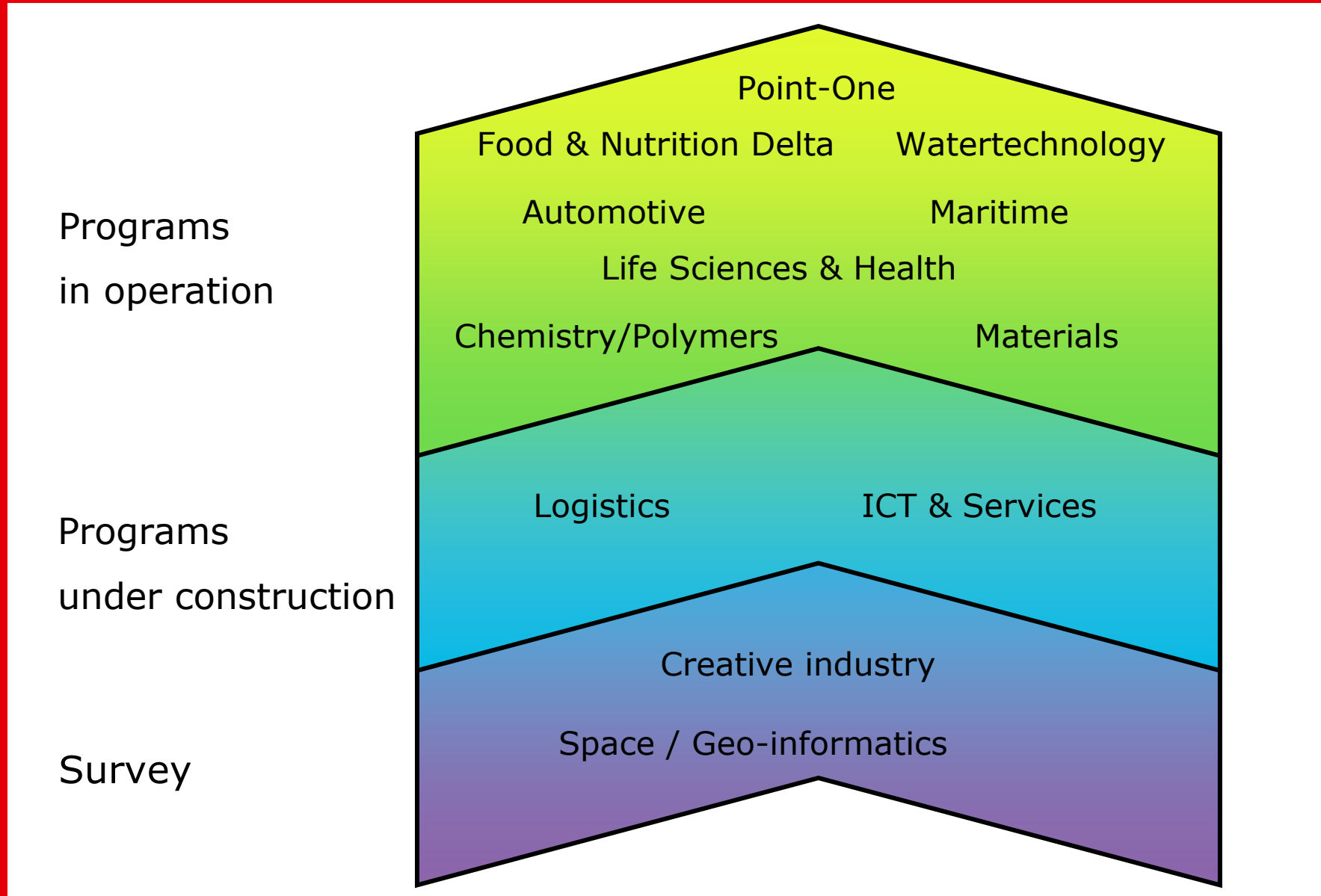
4. Fostering SMEs



Point One some high-lights

- **Currently more than 50 partners (industry and academia) involved in projects and other activities**
- **Ambition: creating effective working relationships with other European excellence clusters (France, Germany, etc.) in the field of nanoelectronics and embedded systems**
- **Involvement in dedicated programmes: MEDEA+, ITEA2, FP7 (JTIs) and national initiatives**
- **Additional public funding: € 50 million over the next four years (2006-2009).**
- **Total investment by industrial partners in Point One related areas € 5,5 billion (2007-2011)**
- **Total public spending on Point One themes from existing and new programmes 2006-2011: € 330 million**
- **As from 2007 part of funding will be specifically allocated to projects addressing cooperation with other European excellence clusters**

Current situation innovation programs



- **Germany, France and The Netherlands follow similar roads; where possible we should align our policy efforts**
- **We can and should learn from one another**
- **It is now time to identify opportunities for joint action: competence mapping; strategic focus; SME's**
- **But ... Industry should take the lead**
- **Challenge: from a project orientated approach to a strategic programmatic approach!**

THANK YOU



Point-One

Pole of innovative technology on nanoelectronics and embedded systems