

A Dutch Model for Fostering Research and Innovation in ICT

Martin Rem

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ICTRegie

Nationaal regieorgaan voor ICT-onderzoek en -innovatie

Enhance Netherlands' Innovative Strength by Means of ICT

ICTRegie, the Netherlands ICT Research and Innovation Authority, has been founded by the government to

- strengthen the research position of the Netherlands in ICT, and to
- exploit this position for the development of new ICT-based products and services



Economic ICT Factors (Bart van Ark, RuG)

1. Making ICT products
2. Increasing productivity by employing ICT tools
3. The “Spillover channel”: use ICT to arrive at new products and services in non-ICT sectors

ICT as enabling technology

Number 3 has only just begun.



A “Field-driven” Approach

- The “field” is empowered to identify new, challenging research topics
- The field: academia, industry, and other relevant parties (e.g. client-platforms)
- Under the *regie* (direction) of ICTRegie
- Government financed (the field is really empowered)



Communities of Interest

10 to 15 *Communities of Interest* are formed to identify and select research topics. Topics must be interesting to all parties in the *Col.* They are interesting to:

- the *research community*, because they address important research questions,
- *industry*, because they can lead to new, promising business opportunities
- *client-platforms*, because they address important societal and consumer needs



Market Sectors

Communities of Interest in Market Sectors:

- **Hi-tech Systems and Materials** (embedded)
- **Creative Industry** (games, simulation, multimedia)
- **Food & Flowers** (sensors, tracking & tracing)
- **Water** (modeling, intelligent water defence)



Social Domains

Communities in Social Domains:

- Healthcare
- Safety and Security
- Education
- Mobility



ICT Sector

Communities in the ICT Sector:

- Ambient Intelligence
- Product Software
- Enterprise Information Systems
- Services Science



Innovation Programs

After the *Communities of Interest* have selected topics:

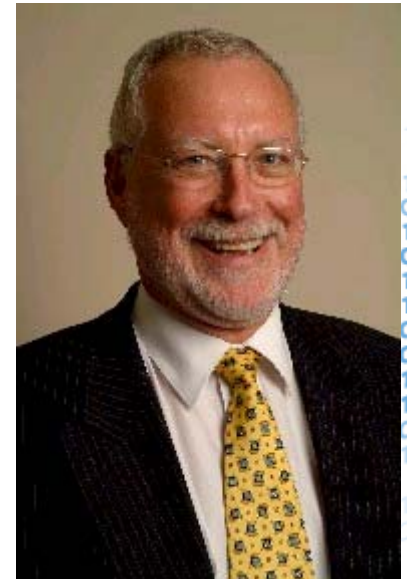
ICTRegie structures, focuses, removes obstacles, etc. This leads to various *Innovation Programs*, carried out by the "field".

The budget for these programs is € 6 M per annum, expected to grow to € 40 M per annum by 2009.



Finally

Innovation with ICT is all about *partnership*. We think we have found an effective way to stimulate and reward partnership.



rem@ictregie.nl