



Industrial clusters as innovation drivers

– conclusions of the IRE working group

GYULAI Tamás
Green Value Ltd.
Hungary

TII Conference 2011 - Innovation, Prosperity and Quality of Life
Nizhny Novgorod, 2011.05.28.

Dél-Alföld in Europe

- Neighbour to Romania and Serbia
- Crossed by trans-european corridors



Economic focus in Hungary

- Chemicals
- Plastics
- Pharmaceuticals
- Fertilisers
- Computers
- Telecommunications

CNBC report on Hungary

(July/August 2006)

„Hungary is more central to Nokia than Finland: the company’s R&D is essentially handled by the Nokia R&D Centre in Hungary.”

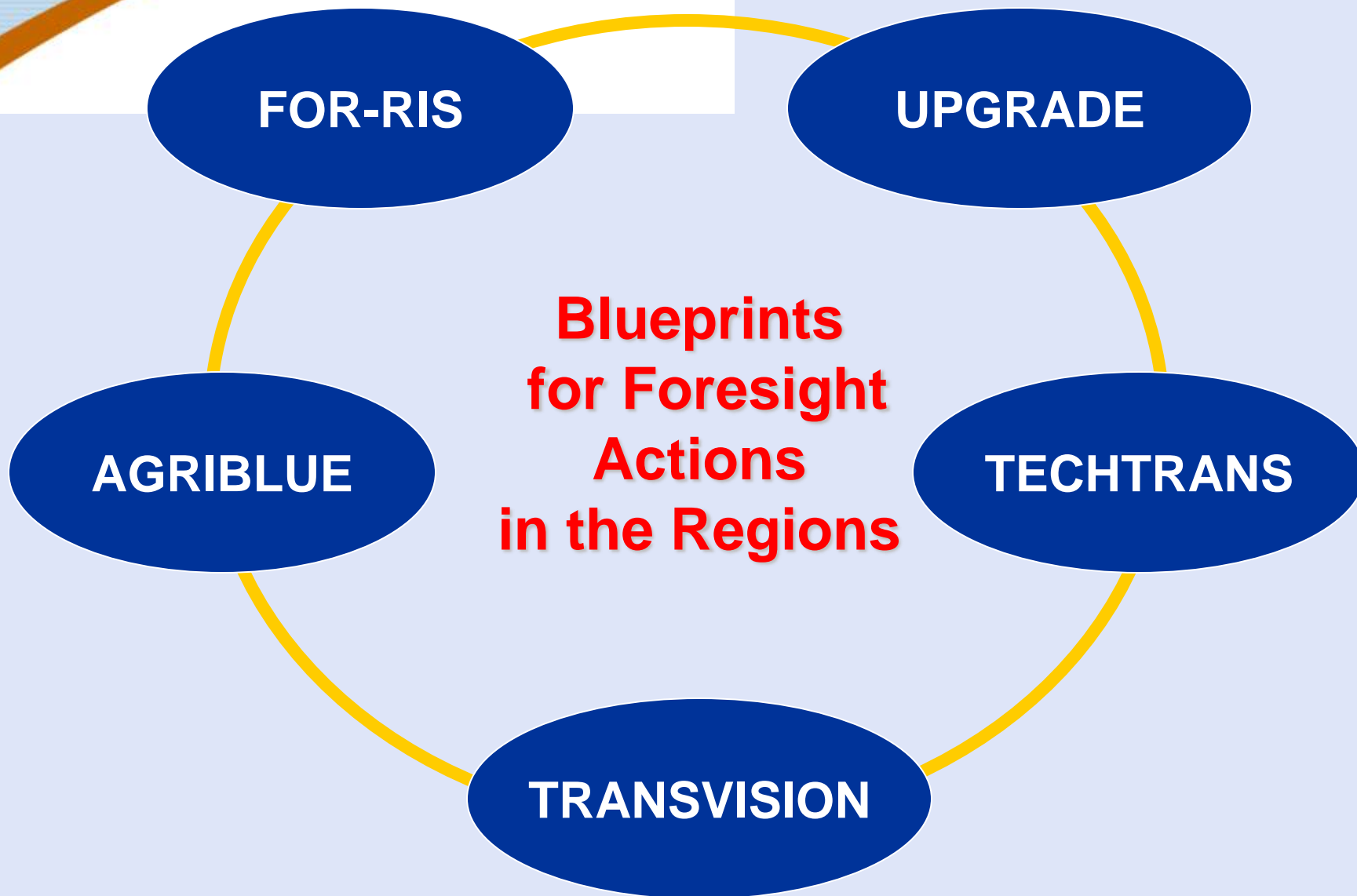
Cross border co-operation area





Towns in the border zone

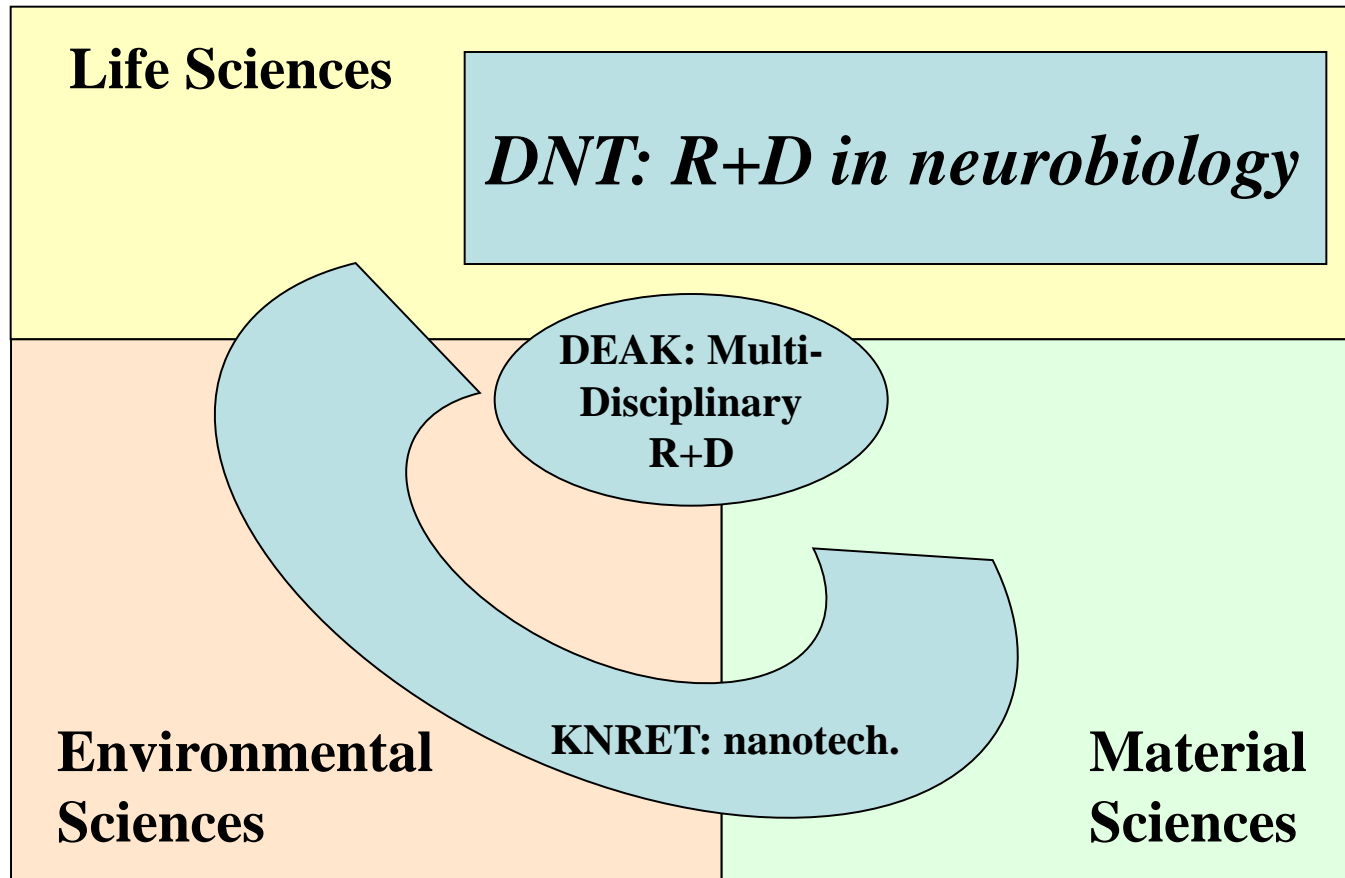




SEE Foresight State of the Art Planning Exercises VS Foresight

Foresight is relevant for the planning processes of the border regions

e.g. Growth strategies of the poles of Szeged, Bekescsaba, Timisoara, Arad, Novi Sad *i.a.* inspired by effects of the Romanian accession to the European Union



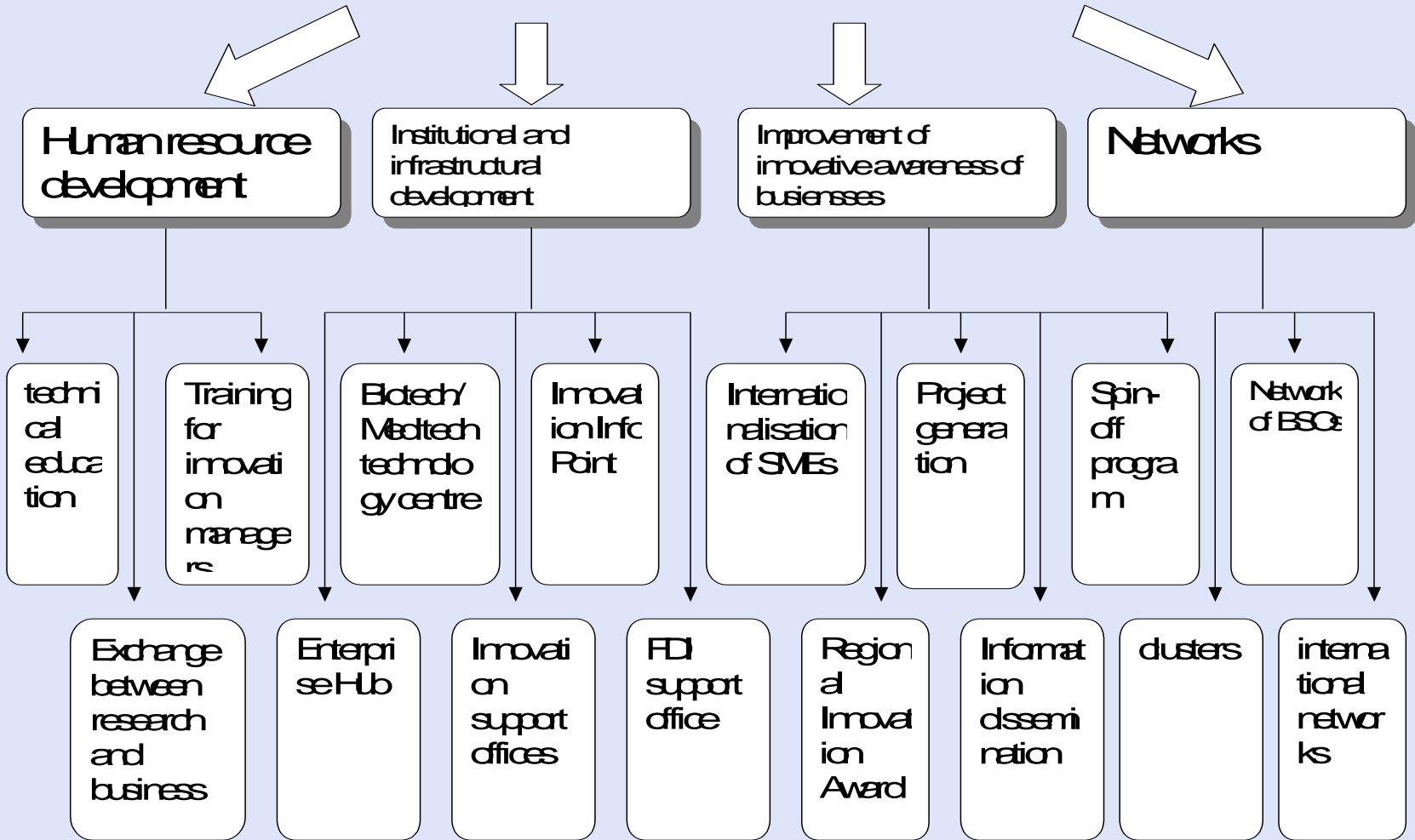
Euro-Regional Innovation Concept

- **Prepared jointly by development agencies from Hungary, Romania and Serbia**
- **Partnership-based process (conferences in Timisoara, Szeged and Subotica)**
- **Provides the basis for further co-operative actions**

Main measures of ERIC

Sustainable development	Cluster networks	Linkage between science and industry
Geothermic energy utilisation	Trans-regional knowledge transfer	Best practice sharing
Alternative energy sources	Cluster building in agriculture and tourism sectors	Cross-border co-operation in tech. transfer

Improvement of innovation capacities and competitiveness of South Great Plain



What is a regional cluster?

- A hierarchy of 3 concepts:

Regional cluster

A concentration of « interdependent » firm within the same or adjacent industrial sectors in a small geographical area

Regional innovation network

More organised co-operation (agreement) between firms, stimulated by trust, norms and conventions, which encourages firms-innovation activity

Regional Innovation System

Co-operation also between firms and different organisations for knowledge development and diffusion

IRE Cluster Workgroup

Recommendations for cluster development

Two sector/cluster groups

AgroFood

Transports

Driver: Environmental concerns/Energy crisis

Task: Develop scenarios and implications for the regions

Define the business-as-usual scenario

Design one or more realistic perspective(s)

Conclusions presented in final publications

Economic sectors with good examples of co-operation

- Agro-food (processing and promotion)
- ICT (software development and medical applications)
- Renewable energy (biogas and wind)
- joint projects for EU support

Co-operative actions between Hungary and Serbia

- training projects
- mentoring actions
- partnership agreements
- joint projects for EU support

Co-operation EU (Hungary) – Russia *(good examples)*

- Plazmatron Zrt (R&D project): industrial application of plasma technology for waste treatment and energy generation
- Masterplast (sales project): new company to export plastic products for the construction industry

Thank you for your attention!

dr.gyulai.tamas@gmail.com

www.del-alfold.hu