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SUMMER SCHOOL 2005

"THE EFFICIENCY OF KNOWLEDGE BASED SOCIETY ON SPATIAL DEVELOPMENT"

Background

The topic "knowledge based society" can be understandable as an overall issue that combines numerous ways and dimensions in spatial development. On its own it is a manifestation through the particular local, regional, European and global development trends in the fields of economy, work and life. The phenomenon of the knowledge based society is linked with space and time. This leads to an extensive understanding of expressions "knowledge based society" and "spatial development". Today the knowledge is the most important competition and development factor. The knowledge leads to the recognition of strengths and weaknesses, threats and opportunities in a region or in a city that allows a successful growth of endogen potentials. The development of knowledge production manages the regional value-making on the sensible way, but first of all we should know that the use of information and knowledge help compound with international competition and to spread the new ideas. It is obvious that regions and cities which are not interested in knowledge and innovation are permanently losing in the local competition.

With regard to the main topic science and the relationship to the spatial research and the spatial development, following aspects are important to be taken into the consideration:

1) Time-spatial dimensions of the knowledge based society

- time-spatial relevant hallmark of the knowledge based society
- further development of spatial understanding in the knowledge based society
- harmonised play of dynamic and stability in knowledge and space

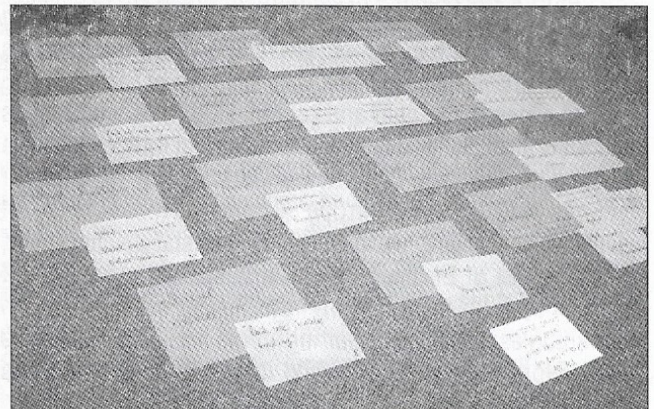
2) Regional innovation systems in the knowledge based society

- innovation and diffusion research in context of the knowledge based society
- comparable analysis of regional innovation systems
- arise of innovations under diverse spatial contextual conditions
- reconnoitring of intraregional complementary relationships between innovation and development supporting factors
- de-central, counter-urban knowledge and enterprising nets

- What kinds of role are playing the knowledge intensive service providers for regional innovation processes outside of the metropolitan regions?

3) Underlining the scientific dimension in spatial planning and regional development

- Time-spatial paths of knowledge-spillovers: How the regions can get "fit" for the innovation competition?
- to bring to agree of spatial planning and spatial development policy to support the regional innovation and regional economy process
- knowledge management for space - space for knowledge management
- Benchmarking of regional innovation systems - How the regional economical dynamic could be measured and evaluated?
- Supporting programs for research, innovation and knowledge based intensive economy - aims and results in spatial dimension



Expectations

Competition was designed to consider or to implement the situations described above. We focused on the conclusions that should be done in the field of spatial and environmental policies and planning. That means combination of diverse aspects of technological, economical, social, cultural and spatial development with their challenge and collaboration. One special challenge of this competition was to join young collaborating researchers to achieve honoured creative field, full of non-conventional thinking. These ideas, impulses, designs should compete to "old good manors". The outcome should be seen in influence of the knowledge based society and spatial development in diverse science fields and research ways and to manage future research activities.



Proposed themes have been elaborated from different points of view and different fields (e.g. spatial and regional sciences; city-, region- and landscape planning; geography; legal-, economy-, politics-, traffic- and social aspects). Diverse points of view and overlapping of different fields as well as the different levels of observations from local to European level were present in the particular proposals. Some proposals have been elaborated from rather theoretical and analytical point of view, the others were focused on the planning practice with scientific background.

Proposals

The following proposals have been accepted into the competition:

- **Sabine von Loewis, Frank Othengrafen:** The intelligent Region - Knowledge Management as a Strategy for Regional Development
- **Diana Schoedl:** "If Europe knew, what Europe knows..." Knowledge Management opens new Chances in the European Spatial Development
- **Matej Jaško:** Cities in Competition: Searching for Corporate Identity
- **Laura Berliner, Saskia Ziebell:** "The impacts of Knowledge Based Society on the Spatial Development. On the way to Knowledge Based Urban Environment?"
- **Alexander Okon, Laura Calbet i Elias:** "The Efficiency of Knowledge Based Society on Spatial Development"
- **Felix Erler:** The Impacts of the Knowledge on the Spatial Development
- **Zuzana Ladzianska:** Water Management in the Waterfront Regeneration
- **Christian Langhagen-Rohrbach:** Internet + UMTS + WLAN = "Evernet"? Spatial Impacts of the IuK-Technologies and its influence on Spatial Planning

Contributions of Spatial Planning Experts

Several experts from the renown EU universities and research institutions have significantly contributed to the Summer school scientific profile. Central topic of relations among knowledge, information and space has been referred by L. Kubo (Sustainability in Knowledge Based Society) and D. Petříková (Public Participation and Information Society). Prof. M.Finka (Territorial Cohesion in Spatial Development), prof. I.Roch (Spatial Impacts of Knowledge Based Society in the Development Perspectives of Regions in East Germany) as well as prof. Kujath (Restructuring of Metropolitan Regions in the Knowledge Society - the Case of Berlin/Brandenburg) and D.Peel (Space, Place and policies in a Knowledge Based Economy in Scotland) dedicated their lectures to spatial development in EU member countries. Contributions of I. Belčáková (SEA as a Tool for Safeguarding Sustainability in Information Society) and prof. F. Zigrá (Cooperation and Participation of Spatial Sciences as Metascientific Assumption for more Efficient Spatial Research) were focused on new requirements for spatial research and spatial policies.

The price award

The independent Jury has decided not to award first prize, since the second prize has been awarded to two papers:

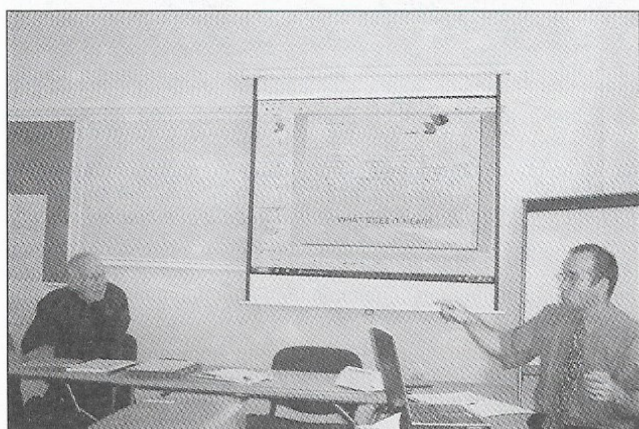
- **Sabine von Loewis, Frank Othengrafen:** The intelligent Region - Knowledge Management as a Strategy for Regional Development
- **Christian Langhagen-Rohrbach:** Internet + UMTS + WLAN = "Evernet"? Spatial Impacts of the IuK-Technologies and its influence on Spatial Planning

The third prize was awarded to:

- **Laura Berliner, Saskia Ziebell:** "The impacts of Knowledge Based Society on the Spatial Development. On the way to Knowledge Based Urban Environment?"

The fourth prize was awarded to:

- **Alexander Okon, Laura Calbet i Elias:** "The Efficiency of Knowledge Based Society on Spatial Development"





Conclusions

Design competition and especially its final phase - the SUMMER SCHOOL 2005 - has contributed to the following scientific goals and aims:

- The key phenomena Knowledge, Space and Information have been dealt with interdisciplinary scientific approach and the mutual links and relations have been discussed from the different theoretical and methodological points of view (spatial planning, sociology, environmental sciences, regional geography, economy, planning practice etc.)
- The current spatial development in the EU Member Countries in the relation to Knowledge Based Society has been investigated.
- New requirements for the Spatial Relevant Policies generated by the development of Knowledge Based Society have been discussed and deeply investigated.
- New Requirements for the Spatial Planning in regard to the Spatial Research were the subject of visioning and building the scenarios.

