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**KNOWLEDGE MANAGEMENT ARCHITECTURE IN
ENVIRONMENTAL, SOCIAL AND ECONOMIC AREA,
DESIGNED TO FUNDAMENT THE SUSTAINABLE REGIONAL
DEVELOPMENT STRATEGY**

- Short description -

The project "**Knowledge Management Architecture In Environmental, Social And Economic Area, Designed to Fundament the Sustainable Regional Development Strategy – KnowHow-Reg**" is initiated by a group of five professors and teaching assistants of the "Dimitrie Cantemir" Christian University. It is a research project financed under the national research, development and innovation scheme.

Goals

The main goal of the project is to improve the regional knowledge management, in order to create the frame for the virtual design of the regional development strategy. The innovation introduced by this approach consists in the integration of the regional actors' views, in order to develop a realistic regional development strategy, on a democratic and scientific base. The challenge of this vision is to create a virtual environment for the regional knowledge management and consensus building related to the regional strategy development. The scientific base for the design of the regional development strategy is represented by an improved set of socio-economic indicators and benchmarking tools.

The most important results of the project are: a complete set of reference models for the datawarehouse, containing statistical regional data, and a statistical model for the sustainable regional development, taking into account the EU regional policy and the reviewed Lisbon and Gothenburg strategies, as well as the reformed EU cohesion policy.

The architecture for the design of the regional development strategy could be integrated in an e-region platform, which will offer the framework for data acquisition, the econometric tools, the interactive virtual focus groups' management,



represented by the relevant regional actors, and the consensus building through the involvement of a wide number of citizens and entities in the decision process. The project will develop also interactive tools in order to gather information from the regional partners and to develop an iterative process for the refinement of the regional development priorities.

Main contribution and outcomes

The project will focus on both scientific and practical sides of the research. The first goal of the scientific research is to identify new relevant regional statistical indicators in order to improve the socio-economic framework analysis at the regional level and the sustainability approach. Our research will contribute to evaluate the real level of the indicators, by eliminating the extreme values and reformulating the grouping criteria on various levels and classes. Other essential contribution will be the identification of a coherent econometric correlation model of the indicators in order to design the regional development trend.

Other important contribution of the research will be the design of the procedures and workflows for the regional data warehouse development. The final expected result of the research will be the development of a generic software architecture based on an archetype approach, for supporting the multidimensional database design and the virtual interoperability of the relevant regional actors involved in the design of the regional development architecture.

This approach aims at strengthening the regional partnership and the interaction between citizens, public authorities, academic and business environment, in a democratic-centric view. The project ensures the possibility of a wider debate on a scientific and realistic base, offered by a set of detailed and relevant indicators and various analysis and scenarios, as embedded knowledge. The results of the project will contribute to the development of an innovative interface at the regional level, increasing the transparency of the sustainable regional development strategy.

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