



DEMAND-DRIVEN INFORMATION TOOLS AND SYSTEMS OF INFORMATION SOCIETY

The project co-ordinator is **Attila Chikán**, Professor of Business Economics and Rector (President) of Budapest University of Economic Sciences and Public Administration and was formerly the Minister of Economic Affairs in the Hungarian government.

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Tibor Vámos (<mailto:vamos@sztaki.hu>), Dr.hc., member of the Hungarian Academy of Sciences; Author of about 130 scientific publications, 6 books and bookchapters, head of the artificial intelligence lab at MTA SZTAKI, Initiated the regional characteristic for the project and conducts its artificial intelligence section.

One of the first decisive steps towards a true "Information Society" is the enactment of further this process. The purpose of the research is to give direction and rise to the continuation of the evolution that began with legislation. The ultimate aim is to create a workable system that will allow public administrations to use of today's state-of-the-art technologies - such as electronic administration, electronic public documents etc. - and with these optimize the efficacy and responsiveness of public administration and services jurisprudence will create the framework for the introduction of electronic public administration. A consortium has been created to. law(s) relating to "digital signatures". The related.

This is a uniquely interdisciplinary project, in which expertise in public administration, sociology, legal and paralegal matters, mathematical modelling, decision support systems, artificial intelligence, reengineering and information technology are all important ingredients. The consortium includes MATÁV, Hungary's largest telecommunication provider. MATÁV will take part in the development of communication technologies, and in developing new technologies, and content provision.

A theoretical and subsequently an experimental model of electronic public administration has been developed and is used for this project. The model includes all the important functions of a town/region. The new public administration model is based on the use of advanced mathematical and computing tools (database theory, reengineering, decision support, artificial intelligence).

The project will be concluded by the installation of pilot model of electronic public administration in the region of Kaposvár, a city in southern Hungary, the region comprising about 100.000 inhabitants. Kaposvár's municipal government is also an active member of the consortium. The experiment includes systems needed in public administration. We will be introducing high level man-machine communication as well as some natural language understanding and decision support systems.

Special attention is paid to human factors, demand-oriented services, the relationship of information society and its demands, the effect of services on the quality of life and equality of opportunities and regional issues (e.g. remote teaching, atypical employment). EU-requirements and legal aspects of e-government services also play an essential role in the study.

Members of the consortium: Budapest University of Economic Sciences and Public Administration (BKÁE), MTA SZTAKI, Municipality of Kaposvár, MATÁV. The project co-ordinator is Prof. Attila Chikán (BKÁE).