

Datasheet of the IKTA4/137 project

I. Integrated decision support geographical information system

Project start: January 1, 2002, duration: 26 months.

Amount of support: KHUF 12 000, total project cost: KHUF 24 000.

Project leader: **Kugler Gyula**

Bakonykarszt Víz- és Csatornamű Rt.

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Project URL: <>

II. Consortium members (number of members = 3, the first member is the project co-ordinator)

<i>no</i>	<i>name</i>	<i>support</i>	<i>total cost</i>
1.	Bakonykarszt Water Company	KHUF 4 500	KHUF 10 500
2.	City Government of Veszprém	KHUF 4 500	KHUF 10 500
3.	University of Veszprém, Dept. of Environmental Technologies	KHUF 3 000	KHUF 3 000

III. Public presentations

No presentation is available.

IV. Goals of the project

Protection of our environment and natural supplies, particularly water bases has been a cardinal issue over the late 20th century, and is still an open problem today. Monitoring of environmental parameters and variables is a basic supporter of correct decisions in connection with environmental protection policies. This explains the need for governments to gather and process this kind of data from various sources including expert organizations on a regular basis. In most cases data collection and analysis is based on traditional data exchange methods and ordinary paperwork which often causes long delays.

The main point of the current project is the design, implementation and maintenance of an integrated decision support geographical information system between the Government of Veszprém and the Bakonykarszt Waterworks Corporation. The system handles the regular electronical exchange of data between the participants and also the integration of received data into the existing systems of the partners, thereby making administration faster and more efficient.

The exchanged information can be divided into two groups: data related to environmental protection and official building affairs information. The first group consists mainly of hydrogeological protection area border maps and a large amount of water sample parameters gathered and analyzed by Bakonykarszt Co., while the second group includes building affairs and territory development decisions, public utility works installation maps etc. provided by the government.

The development of the system in question includes establishment of a communication channel between the participants, installation of a uniform geographical database, implementation of the necessary software elements and bridges, solving security problems and providing Internet access to public data related to environmental protection. The extensive knowledge base and experience of the University of Veszprém makes it capable of handling the design and implementation process of the system, with the help and control of the government and the waterworks company.

In the future, the functioning system can be an example for other companies, so it can be a first step in the creation of a complete information system of the public utility works for the government, aiding the progress of information society.

V. Project results (in case of finished projects)

The project is not finished.

VI. Data on consortium members (number of members = 3)

1. *Bakonykarszt Water Company* (co-ordinator)

URL: <>

Support for the co-ordinator: KHUF 4 500, and its total cost: KHUF 10 500.

Contract number: .

Team leader: **Kugler Gyula**

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2. *City Government of Veszprém*

URL: <>

Support for the consortium member: KHUF 4 500, and its total cost: KHUF 10 500.

Contract number: .

Team leader: **Leimeiszter József**

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3. *University of Veszprém, Dept. of Environmental Technologies*

URL: <>

Support for the consortium member: KHUF 3 000, and its total cost: KHUF 3 000.

Contract number: .

Team leader: **Magyar Imre**

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