

Datasheet of the IKTA4/111 project

I. Development of an open interface to connect different and distant diagnostic systems

Project start: January 7, 2002, duration: 16 months.

Amount of support: KHUF 24 750, total project cost: KHUF 49 700.

Project leader: **Katona Zoltán Dr.**

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Project URL: <<http://www.euromedic-group.com>>

II. Consortium members (number of members = 2, the first member is the project co-ordinator)

| no | name | support | total cost |
|----|---|-------------|-------------|
| 1. | International Medical Center Szeged Ltd. | KHUF 16 200 | KHUF 32 600 |
| 2. | Bay Zoltán Foundation for Applied Research, Institute for Logistics and Productions Systems | KHUF 8 550 | KHUF 17 100 |

III. Public presentations

No presentation is available.

IV. Goals of the project

The aim of this project is to connect distant information systems of diagnostic centres maintaining image-builder apparatuses. These local systems are to be connected globally through an intelligent (knowledge based) interface, instead of working or separately developing with widely available technologies. The connection is to be developed in a way, where the data traffic is only based on the information to be transmitted. To meet this requirement, integrated agent programs are needed, each of which are analysing and interpreting the information at one side of the connections. The intelligent interface is constructed from the transmitted data and from the interpreter programs based on a knowledge base.

It is easy to search, query or group data derived from a local database. Much harder to find the appropriate data from distant, separated databases. This problem is to be solved by a central database, which would only contain the indexing keys of the separate databases, instead of the real data.

The main task of the system is to assure global query and search possibilities on local data. This high availability is to be realised using the Internet, guaranteeing proper safety and privacy.

As a result, the future system - with the help of this intelligent interface - will be capable of solving telediagnostic tasks and postprocessing distant and archived diagnostic information.

V. Project results (in case of finished projects)

The project is not finished.

VI. Data on consortium members (number of members = 2)

1. International Medical Center Szeged Ltd. (co-ordinator)

URL: <<http://www.euromedic-group.com>>

Support for the co-ordinator: KHUF 16 200, and its total cost: KHUF 32 600.

Contract number: .

Team leader: **Katona Zoltán Dr.**

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2. *Bay Zoltán Foundation for Applied Research, Institute for Logistics and Productions Systems*

URL: <>

Support for the consortium member: KHUF 8 550, and its total cost: KHUF 17 100.

Contract number: .

Team leader: **Vass Dezső**

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