

THE COMMON PORTAL PLATFORM IN THE MEFANET PROJECT

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Medical Faculty NETWORK

The project MEFANET represents international cooperation among medical faculties in the Czech Republic and Slovakia.

One of the elementary goals of the project is advancing the education in biomedical and health care disciplines with the use of modern information and communication technology and telemedicine.



Compilation of inter-faculty teams plays the key role in the whole project. The MEFANET project is certainly NOT meant to affect or control teaching activities at individual faculties: all targets of the MEFANET project fully respect the independence of individual faculties.

The primary objectives:

- ✓ Support the new generation of multimedia learning aids.
- ✓ Build systems for on-line teaching of therapeutic procedures and web archives of images from clinical practice.
- ✓ Videoconference live surgeries, databases of medical images from various modalities.
- ✓ Strengthen and unify the quality of education materials.
- ✓ Share education materials among students as well as authors.
- ✓ Implement the project outputs into the medical teaching including programmes of lifelong education of healthcare professionals.

Members of the network

- 1st Faculty of Medicine at Charles University in Prague, Czech Republic
- 2nd Faculty of Medicine at Charles University in Prague, Czech Republic
- 3rd Faculty of Medicine at Charles University in Prague, Czech Republic
- Faculty of Medicine in Hradec Králové at Charles University in Prague, Czech Republic
- Faculty of Medicine in Pilsen at Charles University in Prague, Czech Republic
- Faculty of Medicine at Masaryk University in Brno, Czech Republic
- Faculty of Medicine at the Palacky University in Olomouc, Czech Republic
- Jessenius Faculty of Medicine in Martin at the Comenius University in Bratislava, Slovakia
- Faculty of Medicine at the Comenius University in Bratislava, Slovakia
- Faculty of Medicine at the Pavol Jozef Šafárik University in Košice, Slovakia
- Faculty of Military Health Sciences at University of Defence in Hradec Králové, Czech Republic

Implementation of the MEFANET platform and the central gateway

MEFANET developed an original solution for educational web portals in order to share digital educational content among medical faculties.

There are two particular goals concerning the common portal platform in the MEFANET project:

1. to unify faculty educational web portals so that the published educational content is accessible horizontally,
2. to build a common central gateway enabling easy and comprehensible content browsing.

Educational portals of involved faculties

10 standalone instances of the same portal

Scalability and extensive customizations

Medical discipline filter

Three language versions

Creative Commons licence

Implementation besides information systems of the faculties

Many different types of study materials

Identity federation (eduID, Shibboleth)

User rating, comments and discussion

Evaluation of the quality

Central Gateway

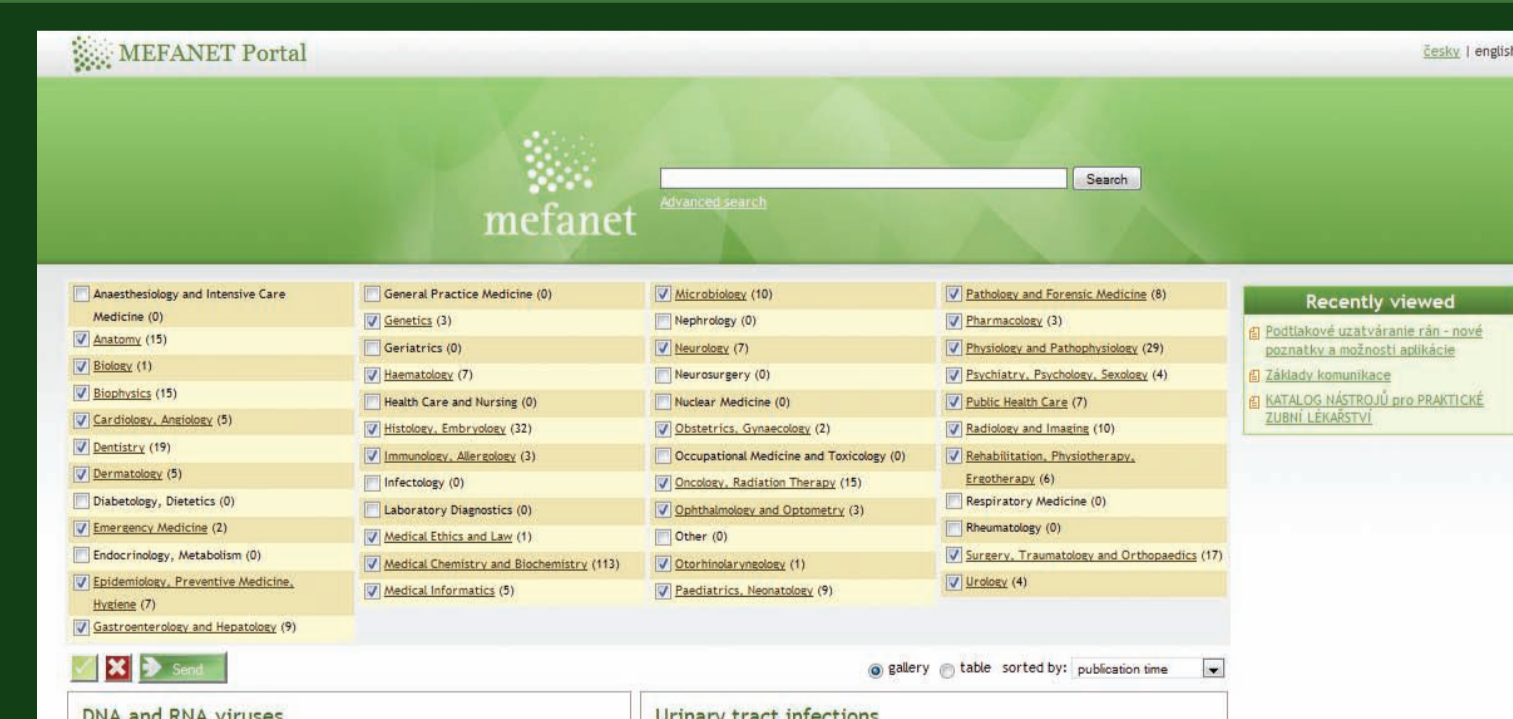
The central gateway integrates all the information presented on the portal into a single place on the web.

It is a web-based application which makes it possible to collect all metadata from the educational web portals in the network and provides a complete image about the available digital content.

Students and academic staff can browse the objects sorted by medical disciplines, authors, faculties or quality evaluation criteria.

There is a sophisticated tool for searching in the entire database. Titles, keywords, abstracts other metadata and fulltext indexes are searched and the results are displayed to the user in the relevance-order.

For more details visit <http://portal.mefanet.cz/>



Conference MEFANET

- ✓ Each year since 2007
- ✓ Topics related to progress in ICT-based education of medical disciplines
- ✓ Opportunity for medicine teachers and students to meet medical informatics experts
- ✓ Educational seminars focused on the methodology of e-courses creation
- ✓ Varied and interesting programme: presentations, discussion panels, poster section and workshops



MEFANET 2010



4th conference of Czech and Slovak faculties of medicine with international participation, focused on e-learning and medical informatics in the education of medical disciplines

November 24-25, 2010 (Brno, Czech Republic)

- ✓ Information and communication technologies and their application in the education of medical disciplines.
- ✓ Electronic support in the education of bachelor study programs.
- ✓ Teachers' and students' experience with the use of information technologies in the education of medical disciplines.
- ✓ Methods of effective creation of electronic teaching tools.
- ✓ Legal issues, copyright.

Apart from general aspects of e-learning, the conference will be also focused on the impact of this phenomenon on a specific field of medicine. The fourth year of the MEFANET conference is dedicated to the following topic:

E-learning tools to support education of anatomy of human body