



Medical Curriculum Innovations

A Pilot Medical Curriculum Analysis and Visualization According to Medbiquitous Standards

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Aristotle University of
Thessaloniki



Karolinska
Institutet



Agenda

MEDCIN project: Key features



Medical curriculum overview



Modern visualization of curriculum data



Responsive layout



Standard-compliant web application

The story behind



Existing curriculum



Import to MEDCIN



Overview and evaluation



Optimization

Existing curriculum

Competencies in CurrMS, LMS, ...

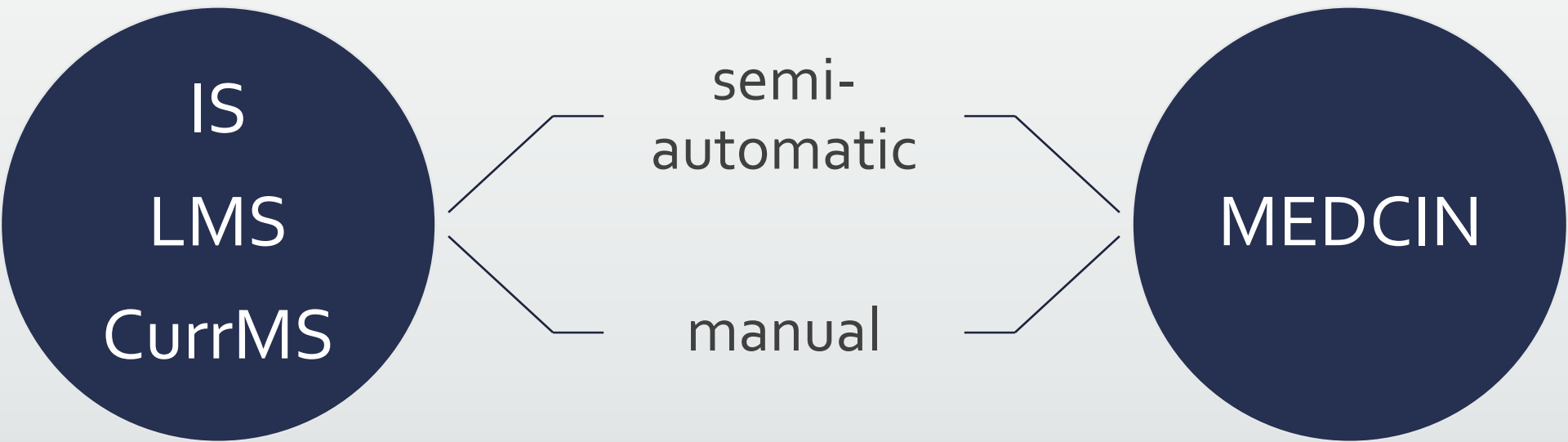
Student discusses causes of ABR main disorders, their compensation and correction
Final exam - combined

Student explains role of the kidneys, liver and lungs in maintaining acid-base balance
Final exam - combined

Student masters ABR reference parameter values and discusses the significance of their changes
Final exam - combined



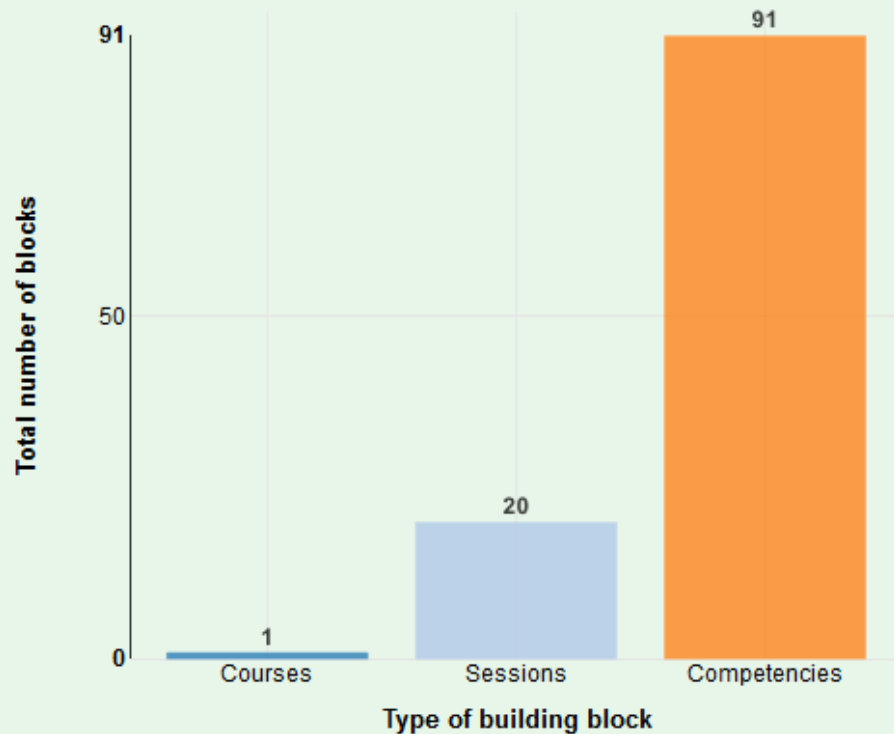
Import to the MEDCIN platform



Overview and evaluation

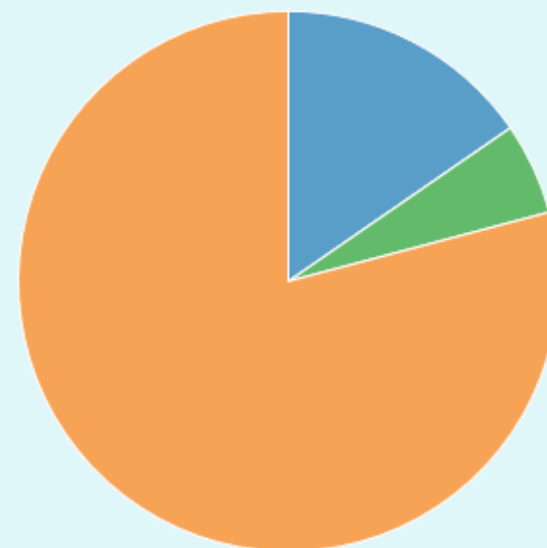
Institution [?]	Masaryk University	Programme [?]	General Medicine
Language [?]	Czech	Matriculation Year [?]	2021
Cohort [?]	Class of 2016		

Curriculum building blocks overview [?]

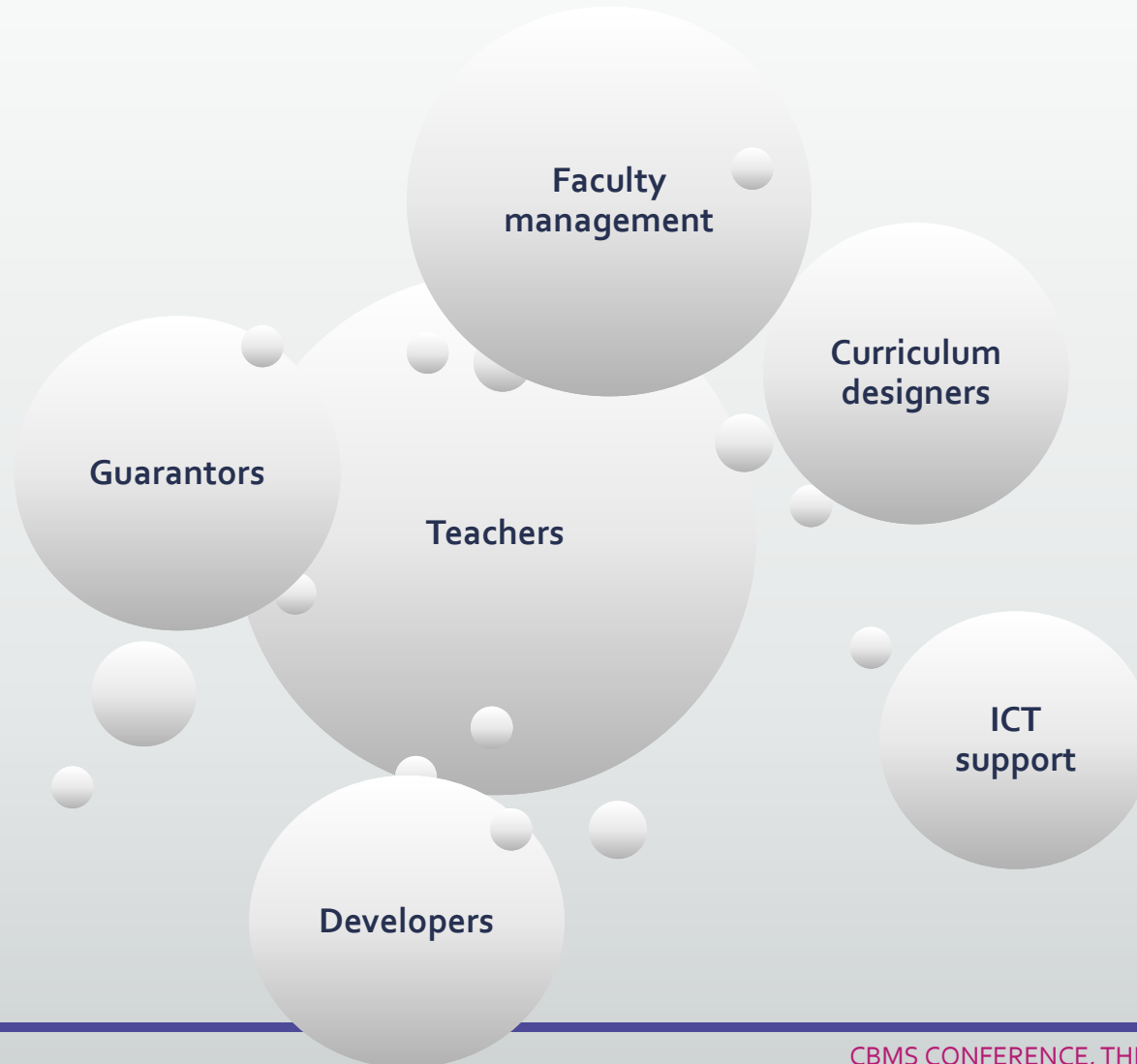


Competencies overview [?]

● Program Level ● Course Level ● Session Level



Optimization/Innovation



MEDCIN project: terminology



Development details

- Model-View-Controller (MVC) architecture
- PostgreSQL database
- PHP Symfony framework
- Scrum agile technique

MEDCIN platform: Benefits

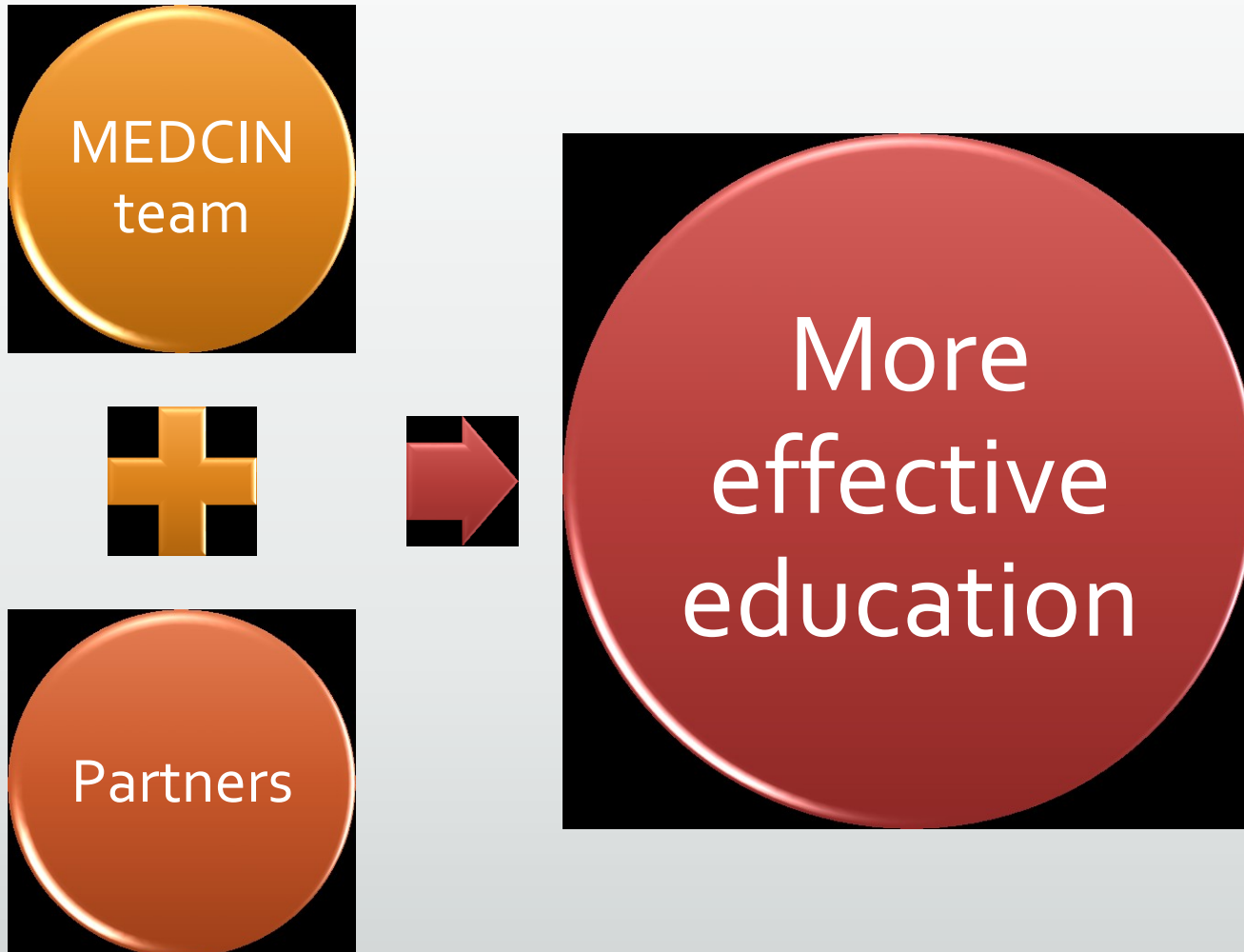
■ Lecturers

- Easy way how to clearly describe their lessons
- How to browse curriculum data of all available courses
- What knowledge shall be obtained over the study
- What topics will be covered repeatedly

■ Management

- On-line transparent overview of curriculum
- Clear information about an overlaps (desirable or not)
- Decision support of curriculum building and innovation

What does MEDCIN offer?





Medical Curriculum Innovations

Demonstration



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The scenario





Medical Curriculum Innovations

<http://bit.ly/2rVAoes>

Online survey



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St George's
University of London