



MASARYK UNIVERSITY

# Forschungslandschaft South Moravia/Südmähren

Jan Slovák

Wien, 24. September, 2009



EUROPEAN TERRITORIAL CO-OPERATION  
AUSTRIA-CZECH REPUBLIC 2007-2013  
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## Brno / Brunn



## Brno - quick facts

- **second largest city in the Czech Republic**
- **the metropolis of Moravia**
- **population – nearly 400,000**
- **higher education**
  - 5 public universities
  - 1 state university
  - 5 private universities
- **number of university students – over 80,000**

## Brno “Central Europe’s most central city”

Prague	– 2 hrs 40 min
Vienna	– 1 hr 40 min
Budapest	– 3 hrs 55 min
Bratislava	– 1 hr 40 min
Krakow	– 6 hrs
Wroclaw	– 5 hrs 30 min



## Masaryk University - quick facts

- **established in 1919**
- **the second biggest university in the Czech Republic**
- **essential priority: scientific research**
- **leading position in the competitions for research projects**
- **Strong support of innovation and science**
- **9 faculties**
- **more than 200 departments, institutes and clinics**
- **More than 4000 personnel, out of which about 2000 are academic staff**

## Students at MU - total of 42,490 (as of 21. 9. 2008)

	Students (Bc + Ma + PhD)	PhD students
<b>Faculty of Law</b>	<b>4011</b>	<b>157</b>
<b>Faculty of Medicine</b>	<b>4418</b>	<b>843</b>
<b>Faculty of Science</b>	<b>4263</b>	<b>836</b>
<b>Faculty of Arts</b>	<b>10024</b>	<b>669</b>
<b>Faculty of Education</b>	<b>6827</b>	<b>200</b>
<b>Faculty of Economics and Administration</b>	<b>4674</b>	<b>175</b>
<b>Faculty of Sports</b>	<b>1343</b>	<b>81</b>
<b>Faculty of Informatics</b>	<b>2454</b>	<b>98</b>
<b>Faculty of Social Studies</b>	<b>4476</b>	<b>257</b>

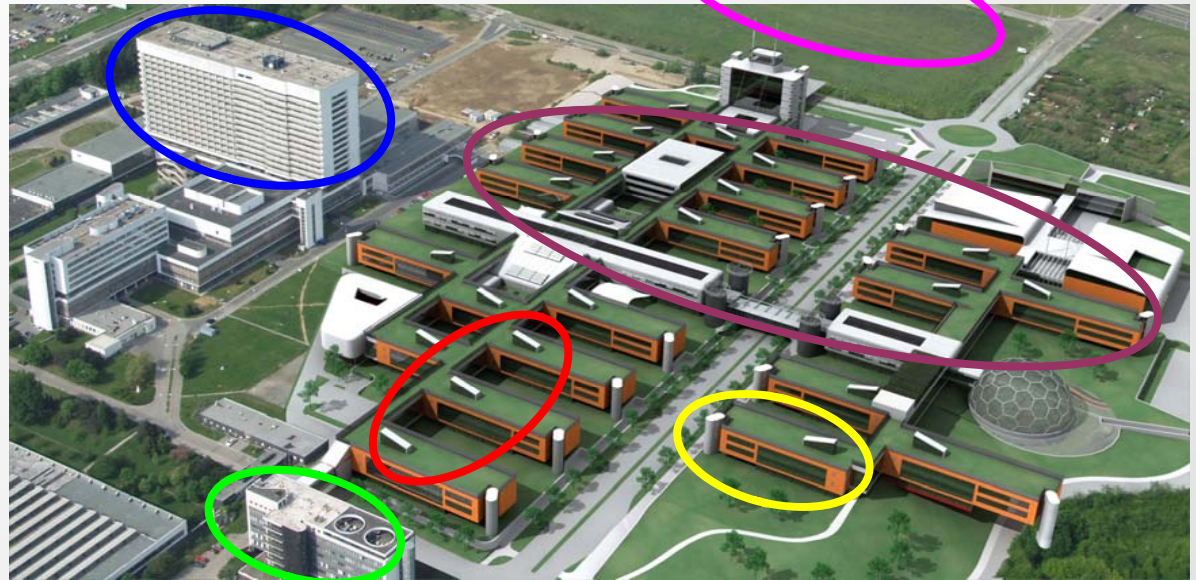


## The new Life Science Campus

- The Faculty Hospital Brno - large teaching and research hospital

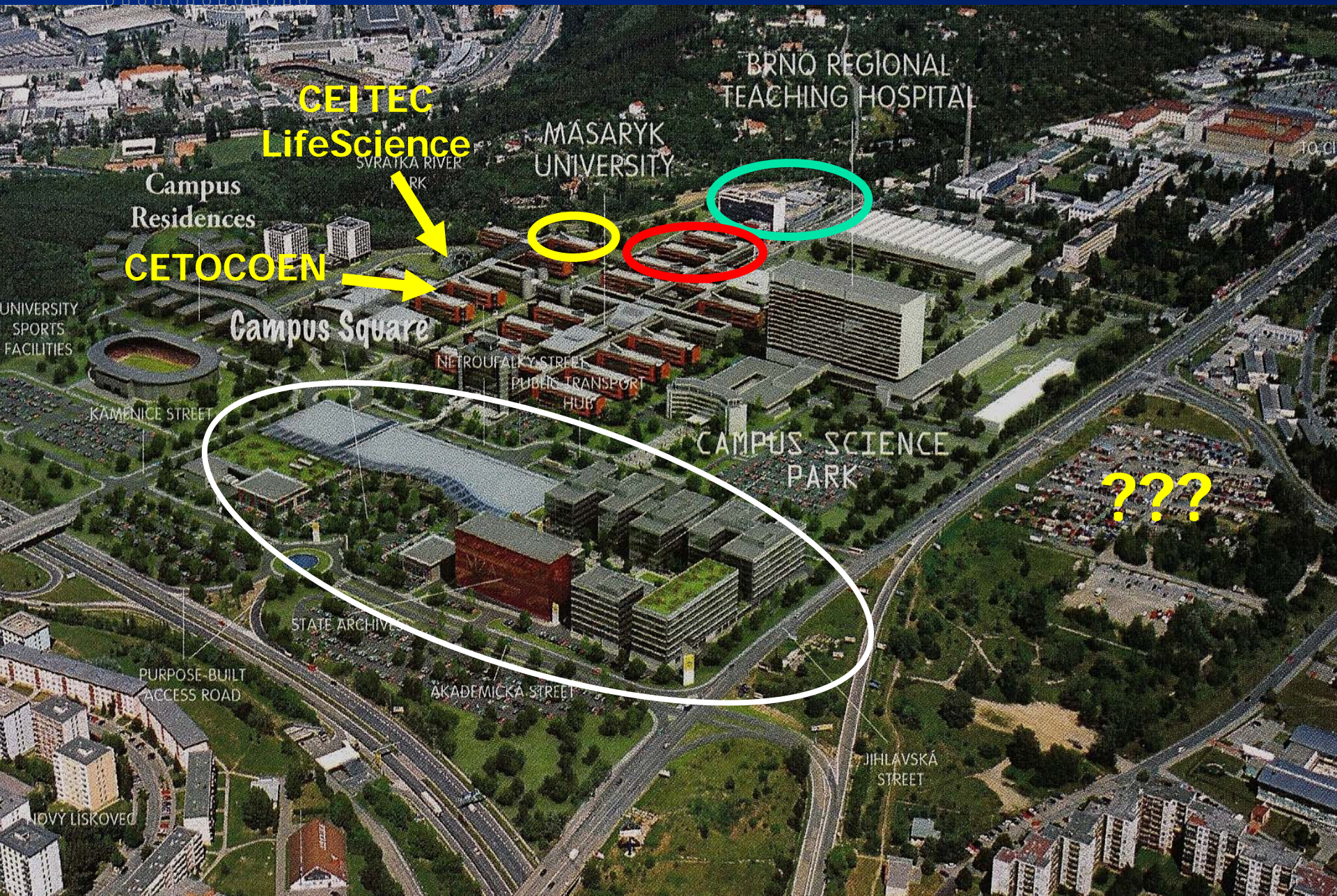
- MORFO includes Anatomy, Microscopy Center, Biophysics, Biostatistics, in use already

- ILBIT (Integrated Labs for Biomedical Technologies) - full operate from fall 2005



- INBIT (Incubator for Biomedical Technologies)
- Academic Research and Education Area
- MEDIPARK - commercial part: up to 60.000 m<sup>2</sup> aimed at Biotechnologies, Health Science, Chemistry, Biodiversity, etc.









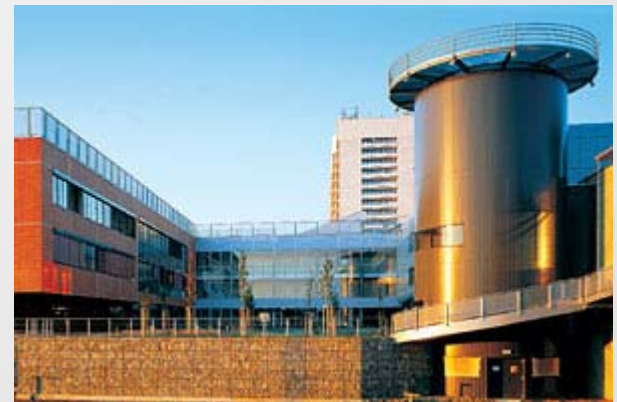
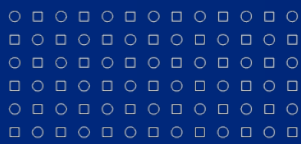
## ILBIT

October 3, 2005  
(Janez Potočník and Petr Fiala)

**I**ntegrated **L**abs for  
**B**iomedical  
**T**echnologies:

15.000 m<sup>2</sup> **H**igh-**T**ech  
area in full operation



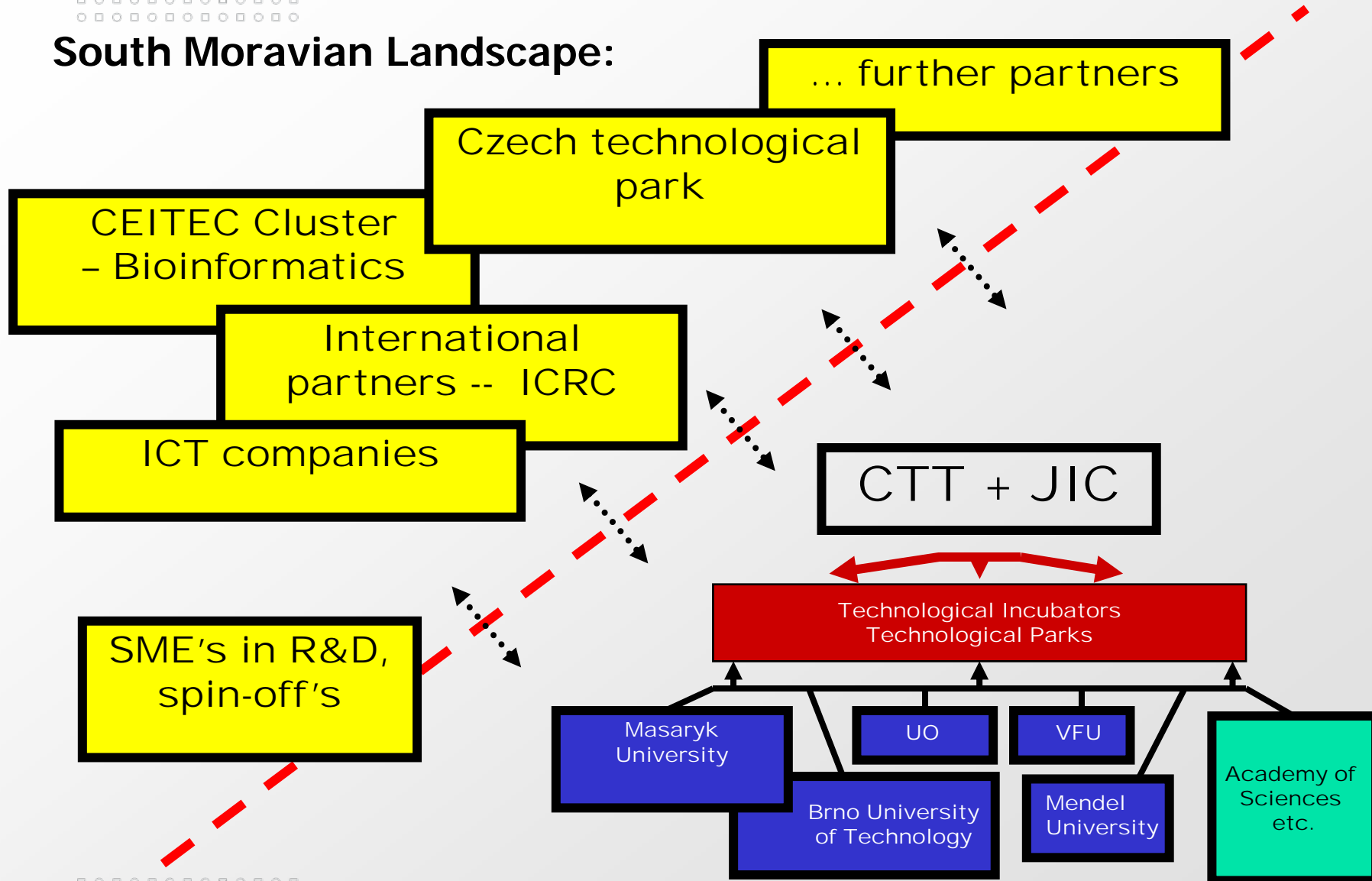


## The Campus in 2007

- Grand opening of 12 new buildings on September 17, 2007
- The second half follows in 2010

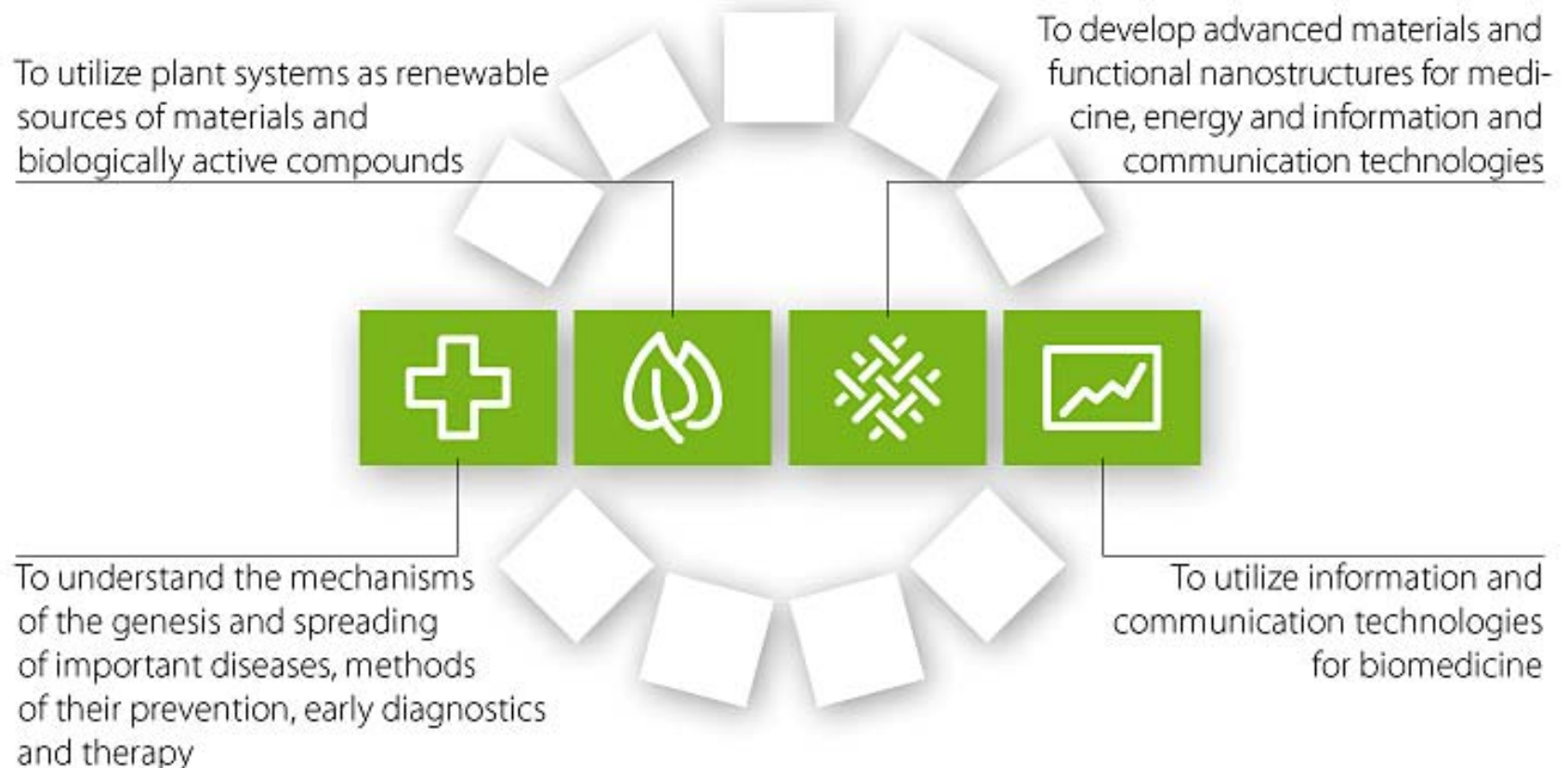


## South Moravian Landscape:





## CEITEC – Goals (project total of 260 mill. Euro)



# CEITEC – Programs

## Biomedicine Technologies

Neuroscience

Genomics and Proteomics  
of Plant Systems

Molecular Veterinary  
Medicine

Molecular Medicine

Advanced Nano- and  
Microtechnologies

Advanced Materials

Advanced  
Communication and  
Controlling Technology

Structural Biology

CEITEC



The diagram features a central green rectangle with the word 'CEITEC' in white. Surrounding this central element are eight white squares, each tilted at an angle. A thin green line connects the top-left corner of the central rectangle to the top-left square, and another line connects the top-right corner to the top-right square. The squares are arranged in a circular pattern, with four on the left and four on the right. Each square is connected to a text label by a thin green line. The labels are: 'Neuroscience' (top-left), 'Genomics and Proteomics of Plant Systems' (middle-left), 'Molecular Veterinary Medicine' (bottom-left), 'Molecular Medicine' (bottom-left), 'Advanced Nano- and Microtechnologies' (top-right), 'Advanced Materials' (middle-right), 'Advanced Communication and Controlling Technology' (bottom-right), and 'Structural Biology' (bottom-right). The top-left square is connected to 'Neuroscience', the middle-left square to 'Genomics...', the bottom-left square to 'Molecular Veterinary Medicine', the bottom-right square to 'Molecular Medicine', the top-right square to 'Advanced Nano- and Microtechnologies', the middle-right square to 'Advanced Materials', the bottom-right square to 'Advanced Communication...', and the bottom-right square to 'Structural Biology'.

## International Clinical Research Center (ICRC) – Mayo Clinic in Brno

- Platform for close collaboration between US and Europe
- Medical Science, Technology and Biotechnology oriented research, Medical Education, Clinical care
- The triangle “**ICRC - MediPark - CARS**”  
(Cardiovascular Animal Research Center at the Veterinarian and Pharmaceutical University in Brno)







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