Avenue into the future: the ELI Science Park in Szeged

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Main motif:
the creation of world-class research infrastructure (ELI) combined with the potentials of the University of Szeged is expected to revolutionize regional economic development
City of Szeged

- Cultural center of South-East Hungary (City of Sunshine)
- population: 170,000
- Vibrant academic city
University of Szeged

History

1581: Founded by István Báthory in Kolozsvár (Cluj Napoca)

1872: Foundation of the "modern" university by the emperor Franz Joseph

1921: The University moved from Kolozsvár to Szeged

1951: Faculty of Medicine seceded from the University

2000: Integration of universities and colleges of Szeged and Hódmezővásárhely under the name University of Szeged. Hungary’s 2nd largest university has been established.

Albert Szent-Györgyi
Nobel-laureate (Medicine, 1937)
World rank: top 500
Hungarian rank: 1-2
GreenMetrics World rank 19

- 27,000 students, (2000 foreign students)
- academic staff over 2000
- 12 faculties, 1 highschool, 2 elementary schools, 27 university clinics
- over 7200 employees
- annual budget over 220 M€ (50% own income)
- 19 PhD Schools
- over 1200 PhD students
- 92 BSc/BA, 117 MSc/MA programs
- „Research University” title in 2010
- „University of National Excellence” title in 2013
Research Priorities

1. Neurobiology
2. Clinical/Preclinical Pharmacology
3. Molecular Biology & Genetics
4. Nanotechnology and Materials Science
5. Laser Physics
6. Software Engineering/Informatics
7. Biotechnology and Environmental Technology
Extreme Light Infrastructure

Physics Today, 2010 June

Megalasers to pulse in several new EU countries

As the world celebrates 50 years since the invention of the laser, a European facility approaching exawatt power is expected to stimulate new research areas and communities.
The result

ELI-Cz

ELI-Hu

ELI-Ro
EU project: Extreme Light Infrastructure (ELI) Szeged: ELI ALPS (Attosecond Light Pulse Source) 250 M€, to be completed in 2017
Artistic rendition of the ELI Science Park
Timeline of the Science Park project

First phase (2014-2016): Incubator house (Floor space: 6400 m²)
Cost: 8.5 M€, Investor: Hungarian Development Bank
Status: business case ready, premission process started
Expected start of construction: second half of 2015

Cost: 650 M€
Status: zoning plan accepted by the City Council, 10 M€ planned in the City and County budget for infrastructural development

Third phase (2015 – ): Creation of the South Great Plain Economic Growth Zone (twining with the City of Hódmezővásárhely)
Status: application submitted to the Ministry of Economy
Thank you for your attention!

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