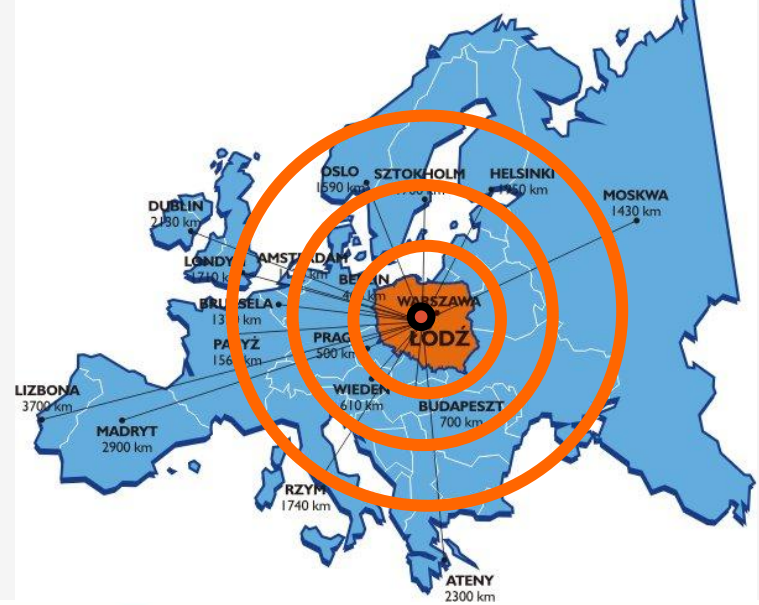


Lodz
University of Technology



Prof. Piotr Szczepaniak

Chairman of the
ICT Central Poland Cluster

IT/ICT industry in the City of Lodz

- City of the new media and new technologies
- 2000 IT companies (82 of them are medium- and large- size companies)
- More than 8000 employees of the IT companies, at least 4100 of them working directly with IT issues
- 50% of the IT employees work in the foreign companies (e.g. for Cracow it is about 33%)

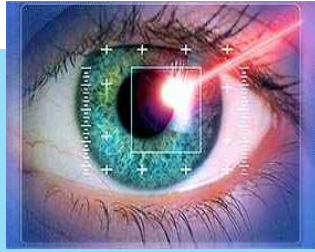


IT/ICT industry in the City of Lodz

- Powerful academic center in the field of IT
- More than 6500 students of the IT fields of studies, mainly in the public universities (the Lodz University of Technology and The University of Lodz)
- Main research interests:
 - Biometrics
 - Mobile systems (eg. mobile software)
 - Databases and data mining
 - Artificial intelligence (semantic technologies, neural networks)



Innovative projects in the City of Lodz



**The Information
Technology Center
of the Lodz University of
Technology**



**Research and
Implementation Center for
Business - BioNanoPark**



**21st Century Engineer
Factory**



**The New Media Center
of the Polish National
Film, Television and
Theatre School**

Members of



Politechnika Łódźka



The Sector Specialists

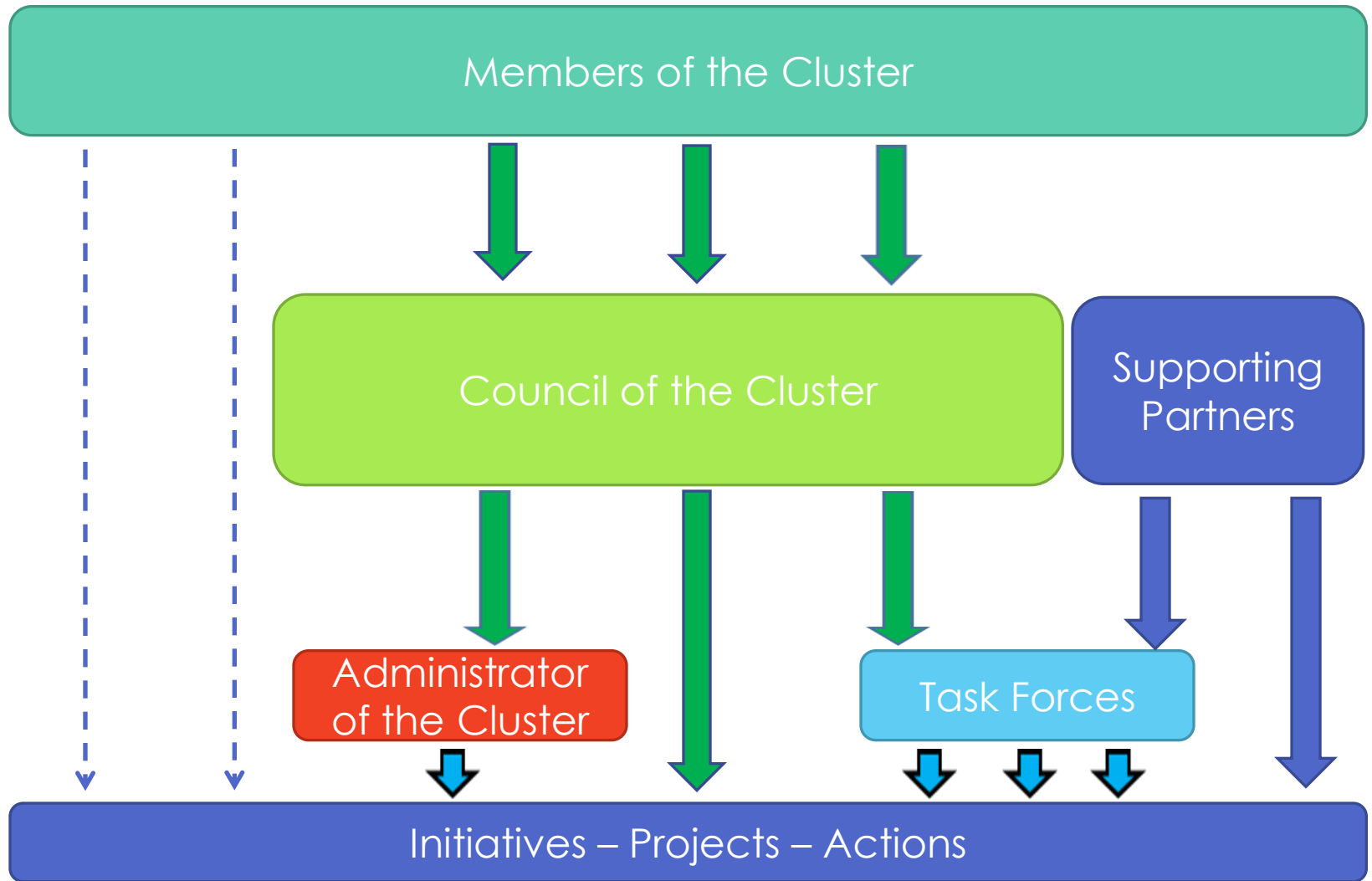




Lodz University of Technology

- **FORBES DIAMOND** of the year 2012 and 2013
- **4th** among Polish technical universities
- 4th **most chosen university** in Poland
- 3 000 staff members (including about 300 professors)
- **20 000 students and 650 PhD students**
- 3 200 graduates every year
- 9 faculties, 75 departments, 36 fields of study
- 10 degree programmes taught in foreign languages

Cluster's Organisational Chart



CLUSTER GOALS

- Improving innovation and competitiveness of Polish economy.
- Promotion of the Lodz region as the region of ICT business opportunities.
- Development of the information society.
- Development of the labour market in the ICT industry.
- Diffusion of innovation.
- Conducting scientific research and developing joint projects.
- Building the Cluster's brand and brand of Cluster's participants.
- Promotion of the cluster.
- Supporting the integration of the ICT market.
- Developing relations and cooperation between the Cluster's participants.
- Strengthening the scientific and innovative potential of the cluster's participants.

CLUSTER GOALS

- Creating knowledge resources.
- Co-operation with state and local authorities and local government in creating favorable conditions for business and knowledge resources, relating in particular to the ICT.
- Supporting the entrepreneurship in the ICT area.
- Enabling and facilitating the establishment of cooperation between units/individuals within IT, telecommunications and electronics industry.
- Implementation of new informational and IT technologies, including the commercialization of research results.
- Development of resources and competences in the IT area.
- Facilitating the access to funding sources .
- Development, education and training of the ICT staff.

BENEFITS FOR THE MEMBERS

- **Developing cooperation network**
 - Development of interpersonal contacts during meetings and cooperation
 - Development of the cooperation network between the Cluster Members
- **Education and Training**
 - Ordering dedicated learning programs.
 - Training the future staff by the experienced practitioners.
- **Innovation and Technology**
 - Support for the innovation processes and implementations of new technologies.
 - Ensuring the diffusion of new technologies between the Members.
 - Support for optimization of production processes thanks to cooperation between Members.
- **Expanding the Cluster's brand**
 - Promotion of the Cluster's Members.
 - Attraction of the new enterprises from the ICT industry.

TASK FORCE ON EDUCATION

- Main goal of the Task Force on Education is to work on **recommendations for the first and second cycle of studies** in the ICT field for the Faculty of Electrical, Electronic, Computer and Control Engineering and the Faculty of Technical Physics, Information Technology and Applied Mathematics, including the International Faculty of Engineering
- The Task Force's goal is also to work on recommendations for the **postgraduate fields of studies**, conducted by the Lodz University of Technology on behalf of the ICT Central Poland Cluster's Members

TASK FORCE ON EDUCATION

- The Task Force on Education suggested and approved the **new elective courses** for the first and second cycles of studies.
- **Peer observation of teaching** of the selected courses during the first and second cycles of studies.
- Thanks to the cooperation in the Task Force on Education the members of the Cluster organize the first **internships for the researchers** in the IT companies.

CLUSTER'S ACHIEVEMENTS

- Cooperation between ICT Central Poland Cluster's members and the Department of Entrepreneurship Marshal's Office of the Lodz Region on the project „Regional Innovation Strategy RSI 2030” resulted in **including the ICT/BPO branch as one of the key branches of the Lodz Voivodeship development.** It was a very important achievement, as The Łódzkie Region strives to become one of the BPO/ITO leaders in Poland.



EUREKA - System for business and technology cooperation support

- System was designed and developed **together** by the Lodz University of Technology and Transition Technologies.
- The idea of Eureka is to come up with a system, which will help to find ourselves in a flood of information and which can **automatically group the available content**, categorize it, and provide us accurate answers to questions.
- The prototype system is supplied with data from a number of available services, from the Lodz University of Technology resources, the Patent Office or the National Information Processing Institute and ending on the Virtual Library of Science. All this gives **hundreds of thousands of publications and professional profiles** that are automatically organized into **a semantic network**.
- The system is **free and open** for public use.

CLUSTER'S ACTIVITIES

- ICT Central Poland Cluster organized a discussion panels „**Polish IT Clusters Forum**” and „**Innovation Engineering**” during the 6th European Economic Forum. EEF is an annual event organized by the Lodz Region, which main goal is tightening of cooperation between economic sphere entities for making the most of development potential of the Lodz Region
- Prof. Piotr Szczepaniak, Chairman of the Cluster, was **an expert** of Lodzkie Voivodship during the Open Days' debate „**Cluster as drivers for smart specialisation**”.
- Cluster was asked to indicate a representative to the „**ONE – Observatory Network to Enhance ICT Structural Funds Absorption**” by the Marshal's Office of the Lodz region.



ICT

**CENTRAL
POLAND
CLUSTER**

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