

Date: 7 \ 11 \ 2014



Ministry of Science
and Higher Education
Republic of Poland

Entrepreneurial university – how to do it?

Jacek Guliński
Under-Secretary of State
Ministry of Science and Higher Education

address: ul. Hoża 20 \ ul. Wspólna 1/3 \ 00-529 Warszawa \ phone: +48 (22) 529 27 18 \ fax: +48 (22) 628 09 22

www.nauka.gov.pl



Agenda:

- 01 ** Introduction
- 02 ** Competitive and global markets
- 03 ** European universities at the crossroads
- 04 ** The case of Poland
- 05 ** University in TT system
- 06 ** Knowledge transfer
- 07 ** Intermediary institutions
- 08 ** University management/governance
- 09 ** 3rd generation university
- 10 ** Conclusions



	Education	Research	Closer interaction with society and economy
Medieval university	X		
Humboldt type of university	X	X	
Entrepreneurial university (3rd generation university)	X	X	X



Competitive and global markets

- Higher education and science sector
- Research funds
- Research staff
- Prospective students of all levels

Competitive and global markets

- Education funds (including education services)
- Employers and employees from enterprises
- Enterprises – customers for invention, expertise, know-how and technologies

Management and free market economy

- Value
- Supply
- Demand
- Competitiveness
- Cooperation
- Selling / buying issues

European universities at the crossroads

- Bologna process
- European Higher Education Area (under construction)
- European Research Area (under construction)
- HEIs modernisation agenda
- Globalisation and internationalisation progress

European universities at the crossroads

- Lisbon Strategy, Europe 2020 Strategy
- Economic crisis
- Demographic changes and tendencies
- Graduates unemployment vs scholarisation index
- Mobility and migration issues
- Dynamic development of ICT

Domestic factors (Polish context)

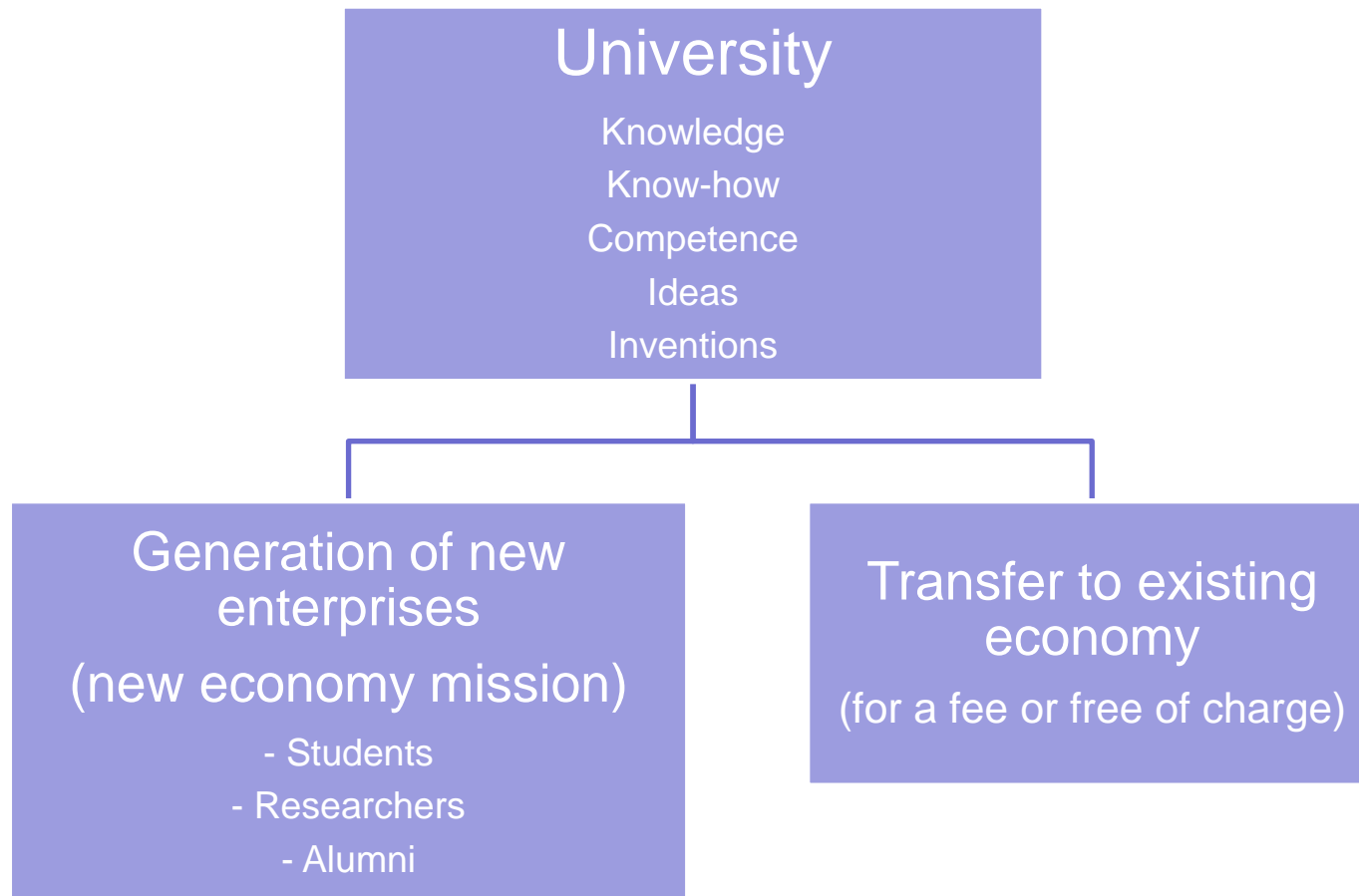
- Outdated structure of science system
 - Conservative attitudes of university staff
-
- Creation and implementation of strategies (science, higher education)
 - New law on science and higher education

Domestic factors (Polish context)

- Demographic perspective
 - Pauperisation of higher education institution staff
-

- European funds availability
- New mission of Polish universities in country modernisation process

University in technology transfer/commercialization activities



University in technology transfer/commercialization activities

- Commercial services on the base of R&D results
- Licencing of R&D results
- Spin-off / spin-out creation in connection with R&D results



University in technology transfer/commercialization activities

- Educational services
- Contract research
- Bibliographic search and others

Knowledge transfer in Poland – motoric effects

- New legislation
- Good practices from the country and abroad
- New initiatives of key persons and institutions
- Increase of IPR awareness

Knowledge transfer in Poland – obstacles

- Low research funds
- Orientation to educational market
- Weakness of intermediary institutions (the lack of professionals in TT)
- The lack or insufficient internal university regulations
- Difficulties with valuation of technology or know-how

Knowledge transfer in Poland – obstacles

- The lack of readiness for taking a risk
- The lack of ability for cooperation
- The false stereotypes about entrepreneurs and economy
- Research career vs commercial involvement



Intermediary Institutions

- Preincubators
- Incubators
- Technology transfer offices / centres
- Academic careers offices

University management - assets

- Human capital (including IP)
 - Infrastructure (science, education)
 - Endowment
 - Finance
-

- Alumni
- Reputation, prestige, brand

University governance

- Institutional model (researchers community with some internal rules/norms)
- Instrumental models
 - Realisation of country political agenda
 - Democracy of representatives
 - Enterprise with services on competitive market

(M. Kwiek, Adam Mickiewicz University, Poznań, Poland)

Polish universities

- Expanding, privatized, disciplinary divided (in 1990's)
- Publicly funded, increasingly contracting and stratified (in 2010's)

(M. Kwiek, Adam Mickiewicz University, Poznań, Poland)

3rd generation university

- English as common language
- Multicultural and cosmopolitic centre
- Inter(trans)disciplinary attempt
- Lack of direct governmental funds
- University for elite and/or for everybody (exclusivity vs egalitarianism)



3rd generation university

- Global markets
- Creativity vs entrepreneurship
- Network university
- Relations to economy

Entrepreneurship at the university

- Proentrepreneurial mindset of all students (and staff)
- Entrepreneurial skills for chosen students and researchers
- Entrepreneurial skills for university management staff
- Professionals for TT and commercialisation activities

Date: 7 \ 11 \ 2014



Ministry of Science
and Higher Education
Republic of Poland

Thank you for your attention!

address: ul. Hoża 20 \ ul. Wspólna 1/3 \ 00-529 Warszawa \ phone: +48 (22) 529 27 18 \ fax: +48 (22) 628 09 22

www.nauka.gov.pl