



**UNIwersytet im. Adama Mickiewicza w Poznaniu**

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# **CURRENT DEVELOPMENTS IN HIGHER EDUCATION IN CONTEXT OF EUROPEAN HIGHER EDUCATION AREA AND EUROPEAN RESEARCH AREA *THE CASE OF POLAND***



## HIGHER EDUCATION INSTITUTIONs (HEIs)

- ✓ major role in the development of national research potential
- ✓ divided into state (*public*) and private (*non-public*)
- ✓ 2 main categories of HEI's:  
*university-type* - at least one unit is authorized to confer the academic degree of Doctor (*PhD*)  
and *non-university institutions*



**HIGHER  
EDUCATION  
IN POLAND**

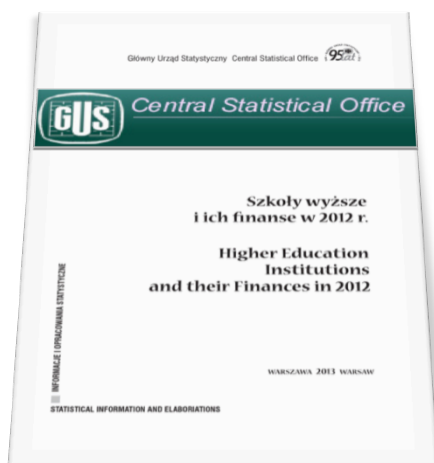


## HIGHER EDUCATION INSTITUTIONS

- ✓ last 20 years - quantitative transformations (development of non-state higher education and a five-fold increase in the number of admitted students)
- ✓ most of the institutions are supervised by the Minister of Science and Higher Education, others – by relevant Ministries (i.e. the Ministry of Health, Ministry of Culture, Ministry of National Defence)

  
**HIGHER  
EDUCATION  
IN POLAND**

# HIGHER EDUCATION SYSTEM IN POLAND

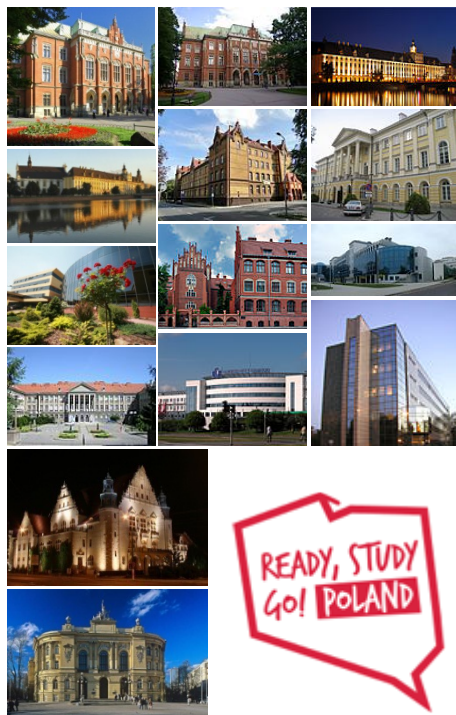


Source: Central Statistical Office  
*Higher Education Institutions  
and their Finances in 2013*

- ✓ 1,55 million students
- ✓ 36 thousand foreign students
- ✓ **438 HEIs**
- ✓ 132 public higher schools  
(PhD, Master's and Bachelor's degrees)
- ✓ 306 non-public higher schools  
(basically Bachelor's and Master's degrees)
- ✓ 49,2 % scholarisation rate:  
2013/2014 year (12,9% in 1990/91)



# HIGHER EDUCATION INSTITUTIONS IN POLAND



**Source:** Central Statistical Office  
*Higher Education Institutions  
and their Finances in 2013*

<b>UNIVERSITIES</b>	<b>19</b>
TECHNICAL UNIVERSITIES	25
MEDICAL UNIVERSITIES	9
ACADEMIES OF ECONOMICS	72
AGRICULTURAL ACADEMIES	7
HIGHER TEACHER EDUCATION SCHOOLS	15
FINE ARTS ACADEMIES	23
PHYSICAL ACADEMIES	6
MARITIME UNIVERSITIES	2
MILITARY HIGHER SCHOOLS	5
GOVERNMENT SERVICE HEIs (fire service, police)	2
THEOLOGICAL ACADEMIES	14
OTHER HEI's	239



# EUROPEAN UNIVERSITIES AT THE CROSSROADS



EUROPEAN  
Higher Education Area



**EUA**

European University Association



- ✓ Bologna structures, processes and instruments
- ✓ European Higher Education Area E.H.E.A. and European Research Area E. R. A. (under construction)
- ✓ HEIs modernisation agenda
- ✓ Globalisation and internationalisation progress



# EUROPEAN UNIVERSITIES AT THE CROSSROADS



EUROPEAN  
Higher Education Area



**EUA**

European University Association



✓ Lisbon Strategy, Europe 2020 Strategy

✓ Economic crisis

✓ Demographic changes and tendencies

✓ Graduates unemployment vs. scholarisation index

✓ Mobility and migration issues

✓ Dynamic development of ICT



# HIGHER EDUCATION SYSTEM IN POLAND

**POST GRADUATE**  
non-degree  
programmes  
1-2 years

**THIRD CYCLE**  
PhD-level studies  
3-5 years

**LONG-CYCLE STUDIES**  
(Master-level studies)  
5-6 years

**SECOND CYCLE**  
(Master-level studies)  
2 years

**FIRST CYCLE**  
(Bachelor-level studies)  
3-4 years





## MODERN FINANCING TRANSPARENT RULES

✓ most of the money for research is distributed in competitions by 2 independent agencies, consisting of scientists:

- **National Centre for Research and Development (NCBR)**
- **National Science Centre (NCN)**

✓ so-called statutory grants have been reduced

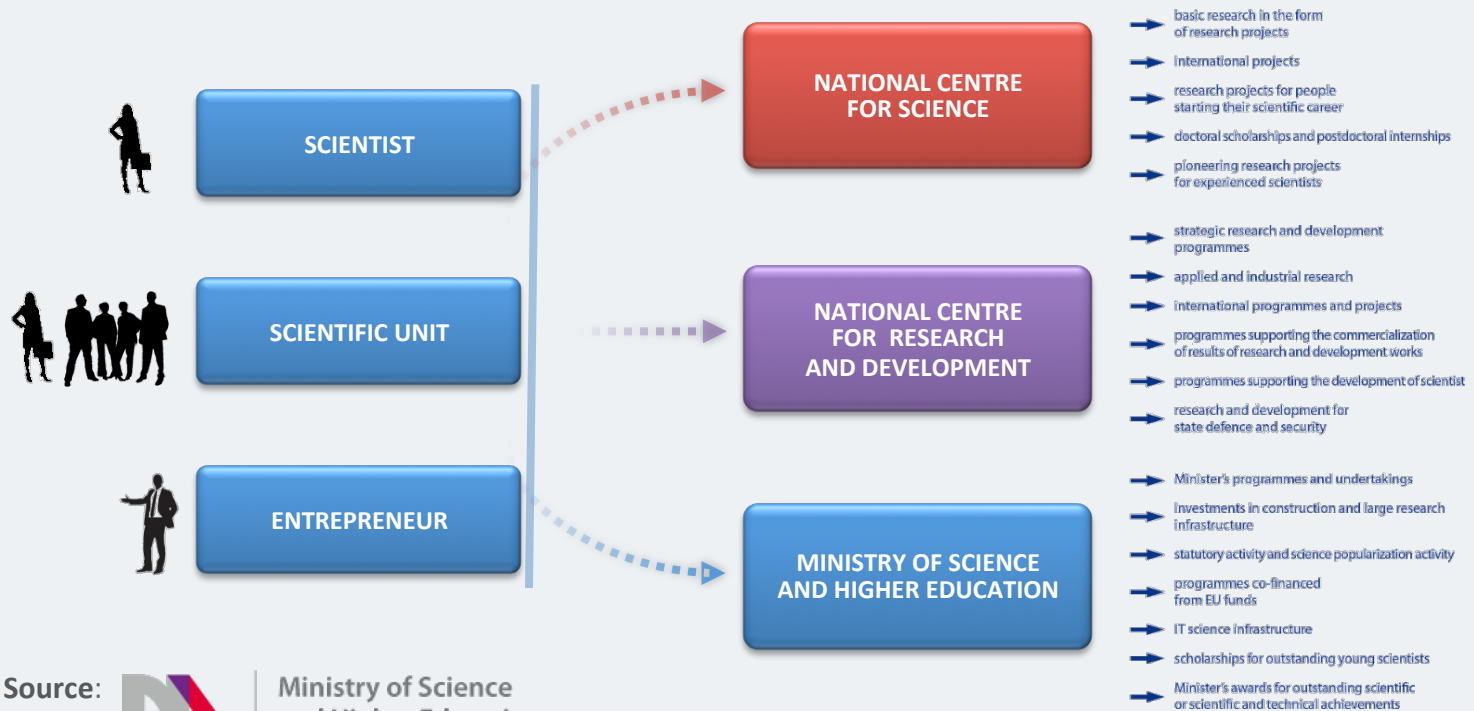


The National Centre  
for Research and Development

 NATIONAL SCIENCE CENTRE  
POLAND

2011-2013 the NCBR distributed more than **PLN 11.2 billion** in the form of grants; the NCN awarded grants worth more than **PLN 1.5 billion**

## Procedure of applying for funds from the science budget



Source:  
[www.nauka.gov.pl](http://www.nauka.gov.pl)



Ministry of Science  
and Higher Education  
Republic of Poland

## FINANCING OF RESEARCH (PERSPECTIVE 2014-2020)

- ✓ **State budget** (NCN, NCBR, MNISW)
- ✓ **Structural funds** – in terms of creation and development of research and innovation in regions – Operational Programme *Intelligent Development* – aim to increase Poland's innovation and competitiveness by supporting private sector research and development (budget of €10,5 billion, but difficult to obtain for HEIs)



# FINANCING OF RESEARCH (PERSPECTIVE 2014-2020)



- Operational Programme *Knowledge, Education and Development* – aim to improve the quality and efficiency of the Polish higher education system (~ € 1,35 billion)
- ✓ European Framework Programme for Research and Development „**Horizon 2020**” – budget of nearly €80 billion (2014-2020) – the focus is the promotion of growth by research and innovation under the Europe 2020 Strategy
- ✓ **Private investments**



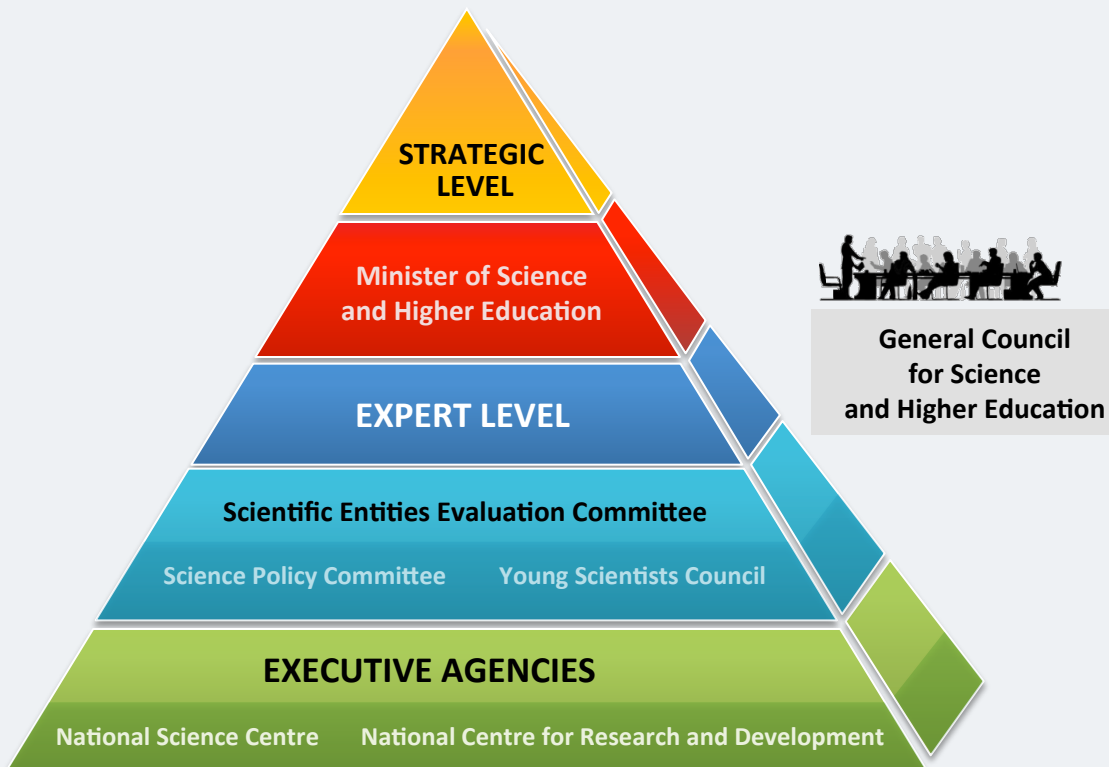
## EFFECTIVE RESEARCH QUALITY ASSESSEMENT



- ✓ the role of **Scientific Entities Evaluation Committee (KEJN)** - assess the quality of scientific, R&D activity (its findings directly influence the amount of financial support obtained from the state budget)
- ✓ focus on the development of young generations' scientific careers (programmes: Mobility Plus, Luventus Plus)
- ✓ the idea of selecting **National Leading Scientific Centres (KNOW)** via an open competition (establishing elite units conducting unique research projects combined with advanced interdisciplinary training)



# EXPANDED AUTONOMY & RESPONSIBILITY OF RESEARCH ENVIRONMENT



Ministry of Science  
and Higher Education  
Republic of Poland

Source:  
[www.nauka.gov.pl](http://www.nauka.gov.pl)



## INTERNATIONALISATION OF RESEARCH



**European Research Council**

Established by the European Commission

**Supporting top researchers  
from anywhere in the world**



**W B N**  
**Wirtualna Biblioteka Nauki**  
Program realizowany za środków Ministerstwa Nauki i Szkolnictwa Wyższego

- ✓ **new opportunities from EU subsidies – funds from the operational programmes and Framework Programmes**

**2007-2013 > the Golden Era for Polish science and HE in terms of raising funds from the EU**

- ✓ the Ministry encourages Polish researchers to participate in **European Research Council** competitions
- ✓ **Virtual Library of Science** created by the Ministry – a nationwide system providing access to a rich collection of scientific literature from the entire world



# ENHANCED COOPERATION BETWEEN SCIENCE, EDUCATION AND BUSINESS

Development of effective communication  
between science and the economy  
(responsibility of the National Centre for  
Research and Development)

✓ Examples from AMU – APPLIED SCIENCE  
MULTIDISCIPLINARY UNITS:



- 1. NanoBioMedical Centre (NBMC)**
- 2. Wielkopolska Center for Advanced Technologies (WCAT)**



# HIGHER EDUCATION INSTITUTIONS – MAIN DEVELOPMENTS

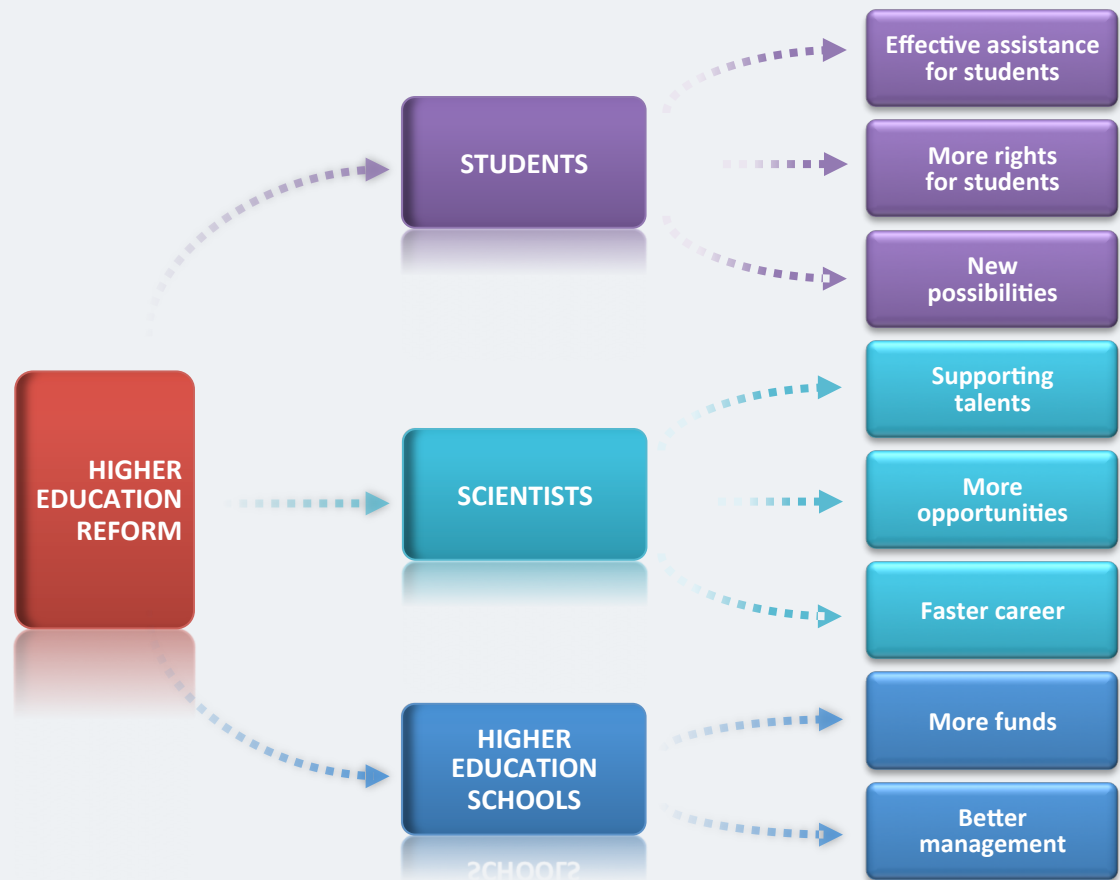
## Moreover:

- ✓ Learning Outcomes based approach to describing the education process (introduction of „Learning Outcomes culture”)
- ✓ formal introduction of National Qualification Framework for HE



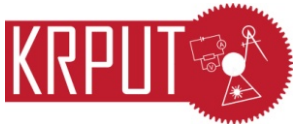
Ministry of Science  
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Source:  
[www.nauka.gov.pl](http://www.nauka.gov.pl)





# ROLE OF THE RECTOR'S CONFERENCES IN POLAND



- ✓ **Conference of Rectors of Academic Schools in Poland (KRASP)**
- ✓ **Conference of Polish Universities Rectors (KRUP)**
- ✓ **Conference of Rectors of Polish Technological Universities (KRPUT)**
- ✓ **Conference of Rectors of Polish Medical Universities (KRAUM)**
- ✓ **Conference of Rectors of Vocational Schools in Poland (KRZaSP) - an associated with CRASP conference**
- ✓ **Conference of Rectors of Universities of Arts...**

# THE POLISH ACCREDITATION COMMITTEE

## PKA



- ✓ established under the name of the State Accreditation Committee on 1 January 2002
- ✓ Since 2005 Committee operates on the basis of Law on Higher Education from 2005
- ✓ conducts programme and institutional evaluations

## Conference of Polish Universities Rectors (KRUP)

## University Accreditation Commission (UKA)

– accreditation system of courses  
of studies at universities





1. **Standards of teaching and level of research** in Poland do not differ from European standards (chemistry, physics, geology, astronomy - very good position in the world)
2. Growing R&D budget as the share of GDP /the role of the national budget and EU funds/  
**0,87% in 2013** (0,56% in 2004)
3. **20th place in the world** (7th in the EU) in the number of **scientific publications** (high output despite of expenditure)



NARODOWY PROGRAM  
ROZWOJU HUMANISTYKI

4. **R & D sector** - a large professional group in Poland (7th place in the EU)
5. Significant growth dynamics of private expenditure on R & D (the role of NCBR)  
**43,6% in 2013**
6. The increase in the number of students in the fields representing **science**
7. Establishment of the **National Humanities Development Programme**, being a response to signals coming from the scientific community that humanities research is underfunded



# RESUME



## NEW TASKS

- ✓ Improve consistency of the study programmes and students' qualifications with the needs of the society
- ✓ Increase visibility of the Polish higher education institutions in international rankings
- ✓ Boost research output and involvement in research and development projects
- ✓ Involve universities more strongly in the “third mission” activities related to social responsibility
- ✓ Promote and augment academic mobility



## **COLLEGIUM POLONICUM in Słubice**



COLLEGIUM  
POLONICUM 

**an example  
of Polish-German cooperation  
between  
Adam Mickiewicz University  
and  
European University Viadrina**





# COLLEGIUM POLONICUM in Słubice

COLLEGIUM POLONICUM  
Centrum Współpracy Międzykulturowej i Edukacji



*radość studiowania*



- unikalne położenie na polsko-niemieckiej granicy
- międzynarodowa kadra naukowa
- polsko-niemiecki dyplom
- bezpłatna intensywna nauka języków obcych
- uczelnia blisko domu
- niskie koszty utrzymania
- ekskluzywny akademik dla każdego
- bogate życie kulturalne
- nowoczesna multimedialna biblioteka



Uniwersytet  
Zamku w Słubicach  
w Słubicach



Uniwersytet  
Zamku w Słubicach  
w Słubicach

[www.cp.edu.pl](http://www.cp.edu.pl)

## EVOLUTION of the VISION:

- ✓ Dormitories in Słubice (early 90's)
- ✓ Collegium Polonicum – educational centre (till 2012)
- ✓ Collegium Polonicum – research and educational centre run by universities, on both sides of the river (today)
- ✓ Work on the joint faculty