Engineering Education in Poland
KAUT Road to EUR-ACE® System

Bohdan Macukow
ENAE Engineering Education, 16/17 Sept 2013, Leuven, Belgium
Polish System of Higher Education

132 Public (state) HEI’s
   23 Technical universities
   3 Universities with engineering students

328 Non-public (Non-state) HEI’s

~1674 K students
   ~ 1220 K at state HEI’s (~73%)
   ~ 454 K at non-state HEI’s (~27%)
Polish System of Higher Education

High schools in Poland

Students

- public
- non-public
Polish system of Higher Education
past and future

Population of 19 year old (in thousands)

Number of students

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<th>Year</th>
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Fields of study
students in %

- economics and administration: 23,0%
- social sciences: 16,6%
- pedagogy: 13,9%
- humanities: 12,0%
- engineering and technology: 8,8%
- medicine: 6,8%
- informatics: 5,8%
- utilities: 4,9%
- law: 3,7%
- environmental protection: 3,1%
- others': 1,4%
Polish System of Accreditation
Polish System of Accreditation

1. Peer - founded commissions – since 1994
   • SEM FORUM, KAUM, UKA, KAUT, FPAKE and others


3. State - founded - Polish (State) Accreditation Committee (PKA)
   (since 1.01.2002)
The Act of 20th July 2001, amending the existing Higher Education Act, established the State Accreditation Committee as legal body working for the quality of education, defined its tasks and its working procedure.


The Polish Accreditation Committee is the only statutory body entrusted with the responsibility of evaluating the quality of higher education, its opinions and resolutions have a legally binding effect.
On 15th April 2009 the Polish Accreditation Committee was officially accepted to European Quality Assurance Register for Higher Education (EQAR)

Polish Accreditation Committee is a full member of:

- European Consortium for Accreditation (ECA) - *since December 2005*.
- International Network for Quality Assurance Agencies in Higher Education (INQAAHE) - *since May 2007*.
- European Association for Quality Assurance in Higher Education (ENQA)- *since January 2009*.
KAUT
Accreditation Commission of Universities of Technology
Poland
Main documents of KAUT:

✓ „Agreement to Ensure the Quality of Education” resolved by the Rectors’ Conference on 17.02.2001, as amended

✓ „Accreditation Rules and Procedures” passed on 17.02.2001, as amended
Activity of KAUT covers basic organisational units of Polish technical higher education institutions being the Agreement Signers

25 members
~ 220K students of engineering and technology
29 technical fields of study
Establishment and Structure of KAUT

Commission Bureau
- Commission Secretary
- Administrative staff

Accreditation Commission
- 25 members
- 1 member

Commission Presidium
- President of Commission
- 3 Vice-presidents

4 years term

- nominated by the Senates of the universities
- nominated by the Rectors’ Conference
- nominated by the Rectors’ Conference
- elected by the Accreditation Commission

appointed by the President of the Commission
Main objectives of the KRPUT (Rectors’ Conference) resolution „Agreement to Ensure the Quality of Education”

✓ Improvement of the quality of education
✓ Definition of the clear and univocal procedures of evaluation of the methods and conditions of education and degree programmes
✓ Facilitation of the conditions of national and international students and staff mobility
✓ Promoting of the area of technical studies fulfilling the high education practice
KAUT Accreditation Procedure
Accreditation Procedure

Application and candidates to the Panel of Expert and Evaluation Panel

President of the Commission

Basic Organisational Unit of HEI (Faculty)

Date of preparation of Self-Assessment Report

Self-Assessment Report

Correction of the Report

Commission Presidium
Self - Assessment Report Contents

- short presentation of the University /Faculty / Department
- presentation of an organizational unit
- academic staff
- education activities
- course guide
- students’ affairs
- information about additional courses, including the teacher training
- major research activities
- national and international collaboration
- major achievement of the Faculty /unit
- future plans
Organisation of Education Activities

- brief information about admission procedures
- proportion of students leaving the universities after subsequent years of studies
- graduate profile
- program learning outcomes
- teaching methods
- joint research projects in which students participate
- teaching courses in foreign languages
- individual teaching schemes
- students’ practical placement
- students’ assessment procedures
Organisation of Education Activities

- facilities for disabled students
- library
- laboratory equipment
- accessibility of computers and the Internet
- size of students’ groups
- description of quality assurance procedures
- part-time and full-time training courses, including weekend courses
Accreditation Procedure

Accreditation Commission

Appointment

Panel of Experts (5-7)

Education Quality Standards

If necessary

Evaluation team (3+1-1)

representative of employers

student
Accreditation Procedure

1. Evaluation Team (ET)
2. Accreditation documentation + self-assessment Report
3. Quality Assessment (Site visit)
4. Preparation of an Evaluation Team Report

3 months

Forwarding Report to the Accreditation Commission
Accreditation Procedure

Raport EP → Commission Presidium → Accreditation Commission

Organisational Unit of HEI → Analysis of response

Commission resolution

Forwarding Commission decision to HEI and KRPUT

Certificate

Response → Analysis of response

30 days

Commission resolution

Appeal of HEI

Appeal Procedure

3 months

Opinion of Appeal Body
KAUT 4. term - summary

1. 15 Plenary KAUT Meetings

2. Adaptation of main KAUT documents:
   • „Agreement to Ensure the Quality of Education”
   • „Accreditation Rules and Procedures”

3. Adaptation of „Accreditation Standards”

4. Application to ENAEE

5. Agreement with Perspektywy

6. Agreement with Polish Chamber of Civil Engineers

7. 12 fields of study accredited for period of 5 years
Application for Authorisation to award the EUR-ACE Label

History

✓ 2010 Preparation of the application,
✓ Application mailed to ENAEE – November 2010

(Some problems with the convenient time - table for KAUT and ENAEE)

✓ EUR-ACE Review Team visit - 2013
Application for Authorisation to award the EUR-ACE Label

EUR-ACE Review Team

✓ (20-23 January 2013): First ERT visit, including attendance at the KAUT Evaluation Commission visit of Technical University of Łódź (Politechnika Łódzka) – Faculty of Civil Engineering, Architecture and Environmental Engineering, evaluation of the program Architecture and Urban Planning, 1st and 2nd cycle

✓ (23 January): Visit and Meetings at KAUT Office in Krakow

✓ (25 January 2013) Label Committee Meeting, Paris, proposal of the „Candidate Agency” status for KAUT

✓ (12 February 2013) ENAEE Administrative Council, Brussels granted to KAUT the “Candidate Agency” status
Application for Authorisation to award the EUR-ACE Label

EUR-ACE Review Team

✓ (8 March 2013): Meeting of KAUT attended by the ERT Chair G. Augusti (as a delegate of the whole ERT), Kraków, presentation of the report after KAUT Evaluation Commission visit in Łódź Architecture and Urban Planning by EC Chair and report of the KAUT reviewer

✓ (10-12 April 2013): Second ERT visit, including attendance at the KAUT Evaluation Commission visit of AGH University of Science and Technology, Kraków, Faculty of Materials Science and Ceramics, evaluation of the program Materials Science and Engineering 1st and 2nd cycle

✓ (14 April 2013): Report to EUR-ACE Label Committee

✓ (3 June 2013): approval by the EUR-ACE Label Committee

✓ (16 September 2013): ENAEE AC Meeting Authorized Agency status for KAUT
Application for Authorisation to award the EUR-ACE Label

Report to EUR-ACE Label Committee

on

Application for Authorisation to award the EUR-ACE Label

from

Name of Agency: KAUT
(Komisja Akredytacyjna Uczelni Technicznych)

[Accreditation Commission of Universities of Technology]

Members of Review Team
1. Prof. Giuliano AUGUSTI (Chair)
2. Prof. Jan SYKULSKI
3. Prof. Clemente PEDRO NUNES

Date of Report: 12/04/2013

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Application for Authorisation to award the EUR-ACE Label

Brussels, 14 October 2013

KAUT
Attn: Professor Beledan MACUKOW
Akademia Górniczo-Hutnicza
Al. A. Mickiewicza 30
PL-30-659 Krakow, Poland

cc via email:
b.macukow@main.pw.edu.pl-kaut@agh.edu.pl
Not liable for VAT

KAUT

INVOICE No. 2013/40
Agency authorization to award the EUR-ACE Label: Annual Fee

- Note de Dépenses TVA Belgique en vertu de l’Article 22 § 2 du Code de TVA Belge
- Duties Non with Belgian VAT by virtue of Article 22 § 2 of Belgian VAT Code

Dear Professor MACUKOW,

It is my pleasure to inform you that at the ENAEE Administrative Council meeting of 16 September 2013, KAUT was granted the status of authorized agency for the Bachelor and Master EUR-ACE award.

Yours sincerely,

Dr. Iring Wasser, ENAEE President

KAUT: Society for Accreditation of Companies for Engineering Education

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Academic Potential 15%

**Parametric evaluation** – rating of the research capacity of HEI’s units carried by the Ministry of Science and Higher Education. (6%)

**Right to confer PhD with habilitacja degree** – measured by ratio of rights to award such degrees to the total number of rights to grant PhD degrees. (2%)

**Rights to award PhD degrees** – measured by ratio of rights to award such degrees to the total number of master degrees (2%)

**Staff with highest qualifications** – defined as the ratio of the number of professors and PhDs with habilitacja to the total number of teaching staff employed by the HEI. (3%)

**Accreditations** – measured by the number of accreditations with a distinction granted by the Polish Accreditation Committee (PKA), and accreditations granted by national and international professional organizations. (2%)
Agreement between KAUT and Polish Chamber of Civil Engineers was signed 18 December 2012 expressing concern of high level of the alumni of our universities.

The tasks of the trade self-government (PIIB) include, in particular:
- providing opinion on minimum program requirements in respect to the professional education of civil engineers as well as making proposals regarding these issues,
- granting and refusing/taking away building qualifications in particular specialties and conferring the title of a building expert/surveyor,
PIIB fulfilling of the trade self-government tasks including granting and refusing/taking away building qualifications in particular specialities and conferring the title of a building expert/surveyor, taking into consideration preparation of the technical staff for professional tasks want to strengthen the cooperation with KAUT having essential impact for the teaching programmes in Polish Universities of Technology.
It is our will Polish Engineers will be well prepared for their professions, being competitive on European job market – (Andrzej R. Dobrucki, president PIIB)
KAUT 10th Anniversary

Gdańsk, October 19, 2011, Town Hall – the Great Council Hall, also called the Red Hall, and the Great Wety Hall
KAUT 10th Anniversary
KAUT 10th Anniversary
KAUT 10th Anniversary
The End