The influence of the Bologna ideas on the development of IT in Polish universities

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Interuniversity Centre for IT
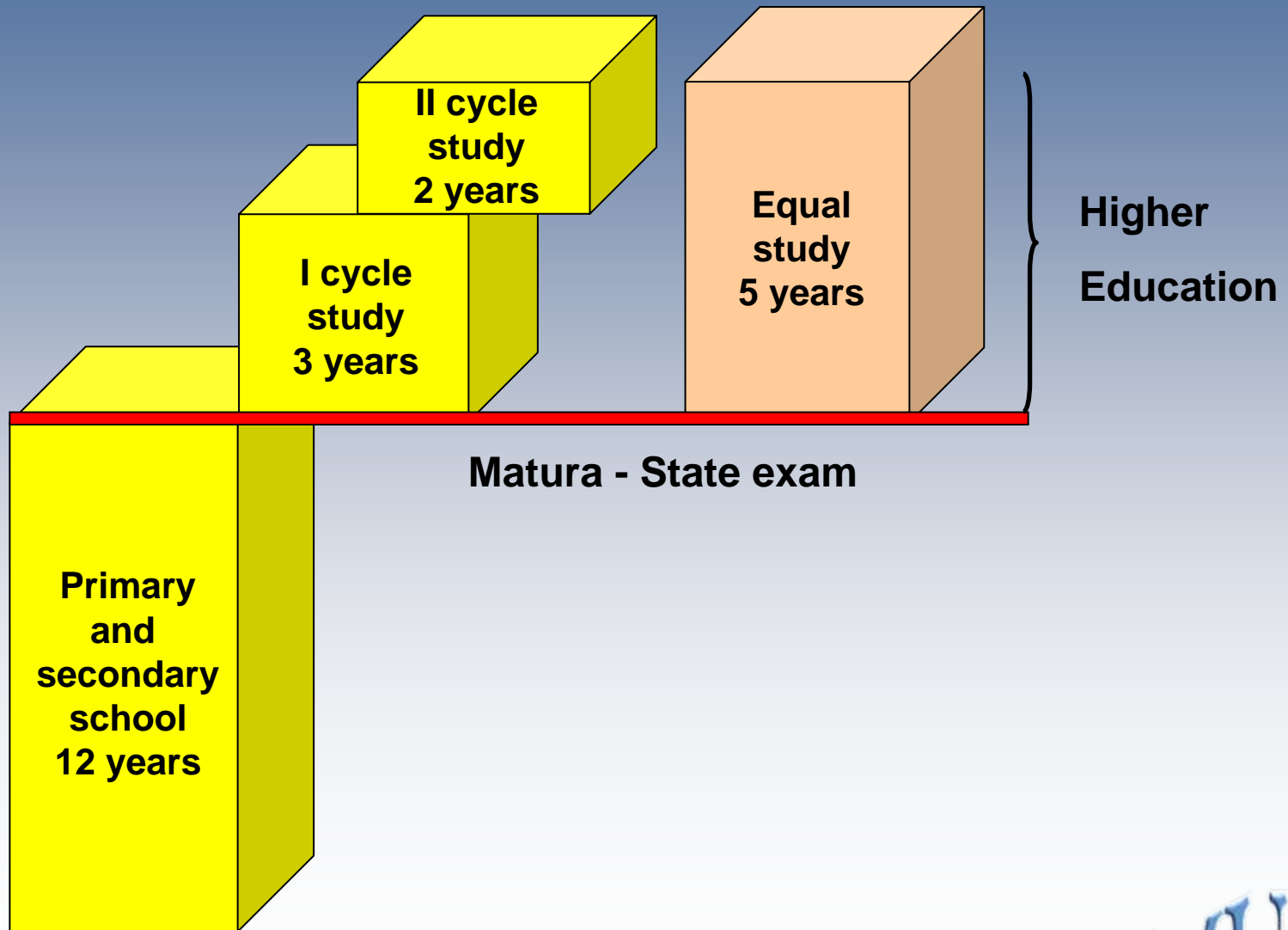Adam Mickiewicz University, Poznań, Poland

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Bologna ideas

- Modularity
- Mobility
- Flexibility
- Transferability
- Accountability
- Quality
- Publicity

Polish educational system

II cycle
study
2 years

I cycle
study
3 years

Equal
study
5 years

Higher

Education

Matura - State exam

Primary
and
secondary
school
12 years

Basic legal foundations

- Law on education system from the year 1991

  ➢ Matura - uniform state exam at the end of a secondary school since 2005

- Law on higher education from the year 2005

  ➢ Admission on the basis of Matura

  ➢ **Large autonomy** of HEI in building study programs

Higher Education in Poland

- 99 public HEI (1200000 students)
  - ➤18 universities (700000 students)
- 330 private HEI (800000 students)

University: multidisciplinary HEI offering programs in humanities, social sciences, natural sciences, law, mathematics et al.

Problems with projects in IT

- Limited resources for IT
- Lack of industrial software for HEI
- Passive role of the Ministry of Education
- Large autonomy of Polish HEI Collaboration of rectors:
  - ➤ Conference of Rectors of Academic Schools in Poland (102 HEI)
  - ➤ Conference of Rectors of Universities in Poland – KRUP (18 universities)

UAM

MUCI

Interuniversity Centre for IT MUCI

- NET -Tempus Project involving 15 Polish and 7 EU universities – building of the University Study Management System (USOS)

- Foundation of the Interuniversity Center for IT by KRUP in December 2001

- MUCI – consortium created to coordinate projects on IT within Polish universities

Structure of the MUCI

Council
Representatives of 17 universities

Board of directors
5 - 11 members

Project commission 1

Project commission 2

...

Working teams
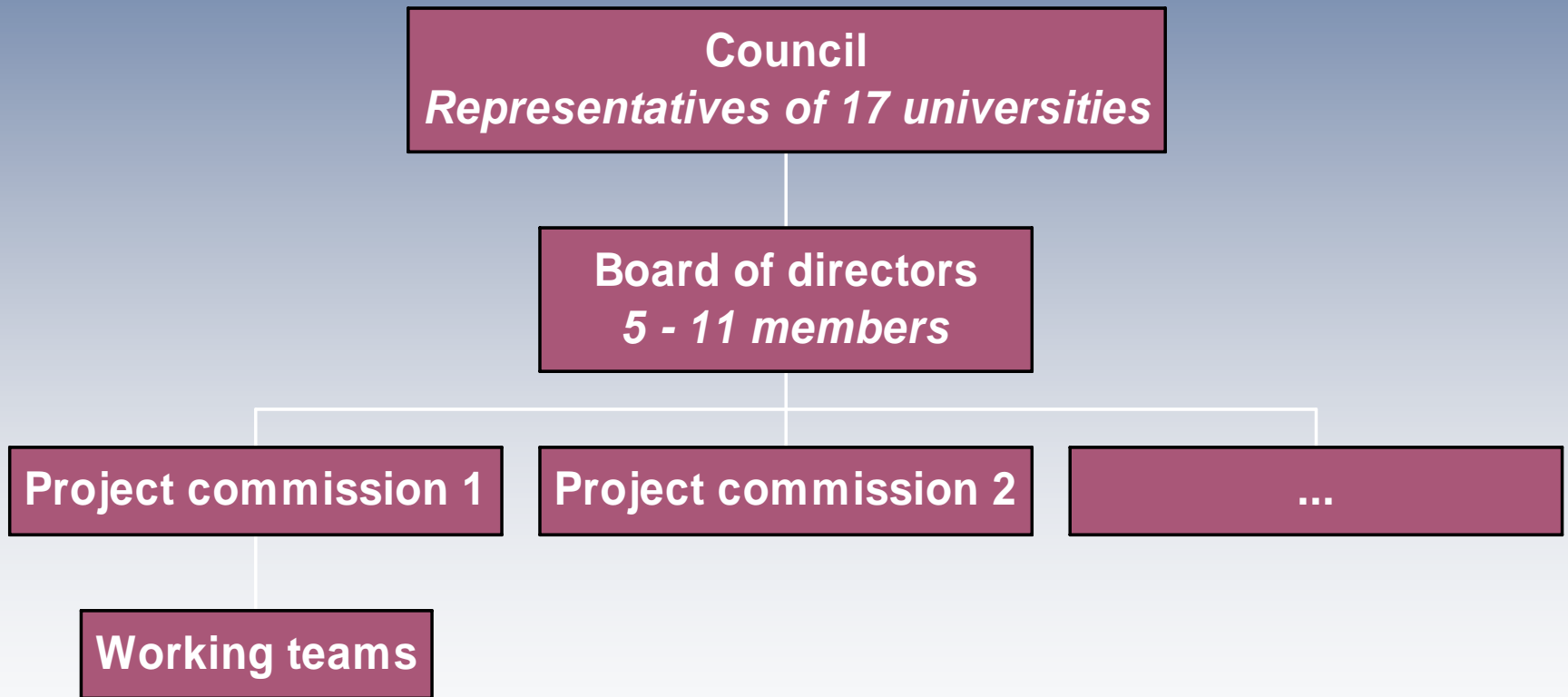
Funding of MUCI

- Yearly membership fee of participating 17 universities

- Additional fee for participation in chosen projects

- Licensing of software for associate members of MUCI – 10 HEI

Initiatives of MUCI

- University Student Management System - USOS

  (everything a student office may need)

- Internet Recruitment System - IRKa

  (application for candidates to the university)

- Electronic Student ID Card - SELS

  (multi-application national student ID)

- National Register of Matura - KReM

  (access to the results of state exam)

MUCI

University Study Management System (USOS)

- Student IS
- Course and examination IS
- Credit IS
- Reporting system
- Scholarships
- Tuition fees
- Connections to other systems
- MUCI owns the product

USOS - basic ideas of the system

- general university system
- common core of the system
- adapted to the needs of different universities
- flexible
- locally configurable

USOS Architecture

University Administration · Central Oracle Server · Firewall · Internet · Web Servers · Users Students & Teachers

Main page of the USOS

Basic personal data

Personal programme

Semester requirements

Personal achievements

Curriculum description

Vocabulary - staff positions

Vocabulary - university structure

Summary of USOS

- Active in 20 HEI

- Working teams in 6 universities

- Supports mobility of students

- Printing of diploma supplements

- Minimum costs/effectiveness ratio

- Key role of Dr. Janina Mincer-Daszkiewicz from Warsaw University

Admission to HEI

- Rules determined autonomously by each institution

- Until 2004 – entrance exams at most places

- From 2005

  - new system of Matura state exam - external grading

  - 8 Regional Examination Commissions

  - by law maturity examinations should be used as a basis for admission procedure

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IRK – admission and assessment

- Developed at Warsaw University
- Registration procedures and assessment criteria
- Getting results of Matura exams from Regional Examination Commissions
- Taking into account results of university predisposition exams
- Automatic assessment decisions
- Information system available on-line all-year-round

MUCI

IRKa – a list of study programs

Uniwersytet Warszawski - Rejestracja kandydatów na studia   +pomoc

Katalog
- Kierunki
- Uczelnie
- Wyszukiwanie

IRK'2005
- Aktualności
- Strona startowa
- Zmiana hasła
- Wyjście

Pomoc
- Rekrutacja
- Pomoc Techniczna
- FAQ

Lista kierunków studiów

dodaj | import | eksport

poprz.   nast.

Kierunek
Filologia romańska (3)
Filologia rosyjska (2)
Filologia słowiańska (4)
Filologia węgierska (2)
Filologia Wschodu Starożytnego (1)
Filolologia ukraińska (2)
Filozofia (5)
Finanse i bankowość (3)
Fizyka (6)
Geografia (7)
Geologia (4)

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Description of the program

Uniwersytet Warszawski - Rejestracja kandydatów na studia   +pomoc

Uniwersytet Warszawski / Wydział Neofilologii / Instytut Anglistyki

Filologia, anglistyka, dzienne magisterskie

zmień   usuń   eksport   powrót

|	
Nazwa studiów	Filologia, anglistyka, dzienne magisterskie
Kierunki i specjalności	• Filologia • Filologia angielska
Jednostki prowadzące	• Uniwersytet Warszawski • Wydział Neofilologii • Instytut Anglistyki
Rodzaj studiów	magisterskie
System studiów	dzienne
Czas trwania	5 lat
Limit miejsc	125

Zasady kwalifikacji

1. Przedmioty brane pod uwagę w postępowaniu kwalifikacyjnym: Język angielski – wymagany poziom rozszerzony.
2. Sprawdzian predyspozycji – ma formę pisemną. Sprawdza on umiejętności kandydata w zakresie: intuicji morfosyntaktycznych, związków frazeologicznych i kolokacji, zrozumienia i interpretacji tekstu, w szczególności: rola kontekstu, wyznaczniki spójności tekstu, cechy stylistyczne, funkcje komunikacyjne tekst.
3. Wynik końcowy to suma poszczególnych elementów egzaminu, w tym za test

MUCI
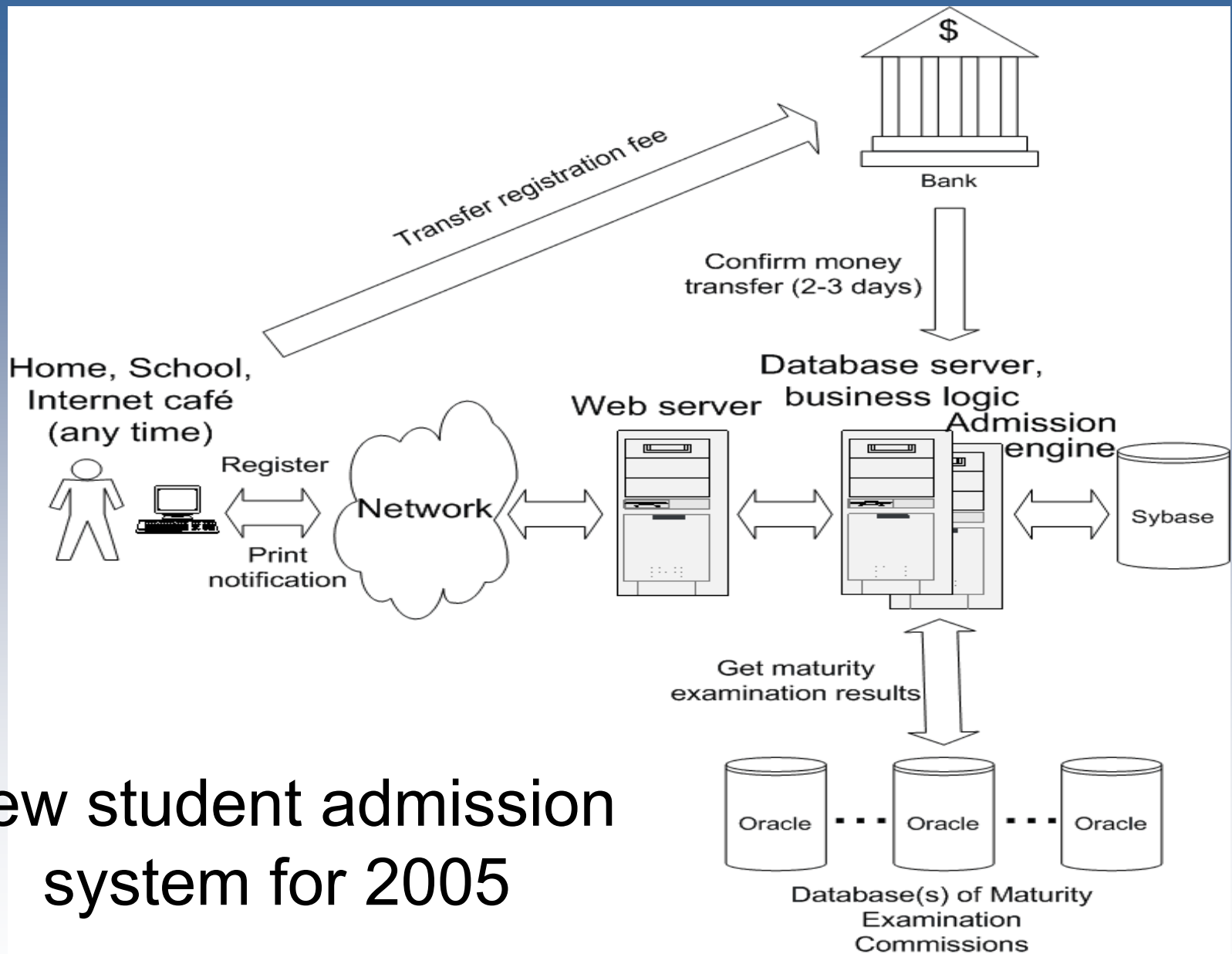
New student admission system for 2005

Student enrollment in USOS

Admission system

Sybase

Student's Personal Number

Student's Personal Data

USOS

Oracle

Enroll student

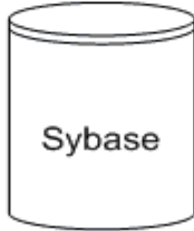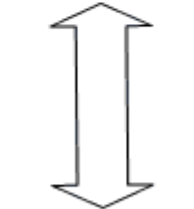Faculty *k*

Enroll student

Faculty *j*

Enroll student
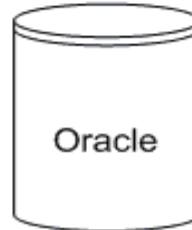
Faculty *m*

Summary of IRKa

- The new system will be used for Warsaw University admission

- Soon also for admission to other HEI

- Might become a standard for all Polish HIE

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National Register of Matura - KReM

- Transfer of all Matura examination results to the KReM server located at Warsaw University

- Access to the KReM server for other HEI

- Necessary to sign agreements, which guarantee the confidentiality of personal data

Main features of SELS

- National electronic student ID card
- Issued by HEI
- Uniform format of data
- Data electronically secured
- Graphical and electronic validation
- Open to other functionalities
- Low cost/functionality ratio

Compulsory data

- Version number
- Serial number of the card
- HEI name
- Student's family name
- Student's first name
- Registration number at HEI
- Copy number (A,B,C,...)
- National ID number
- Expiry date
- ❖ **All data signed electronically by HEI**
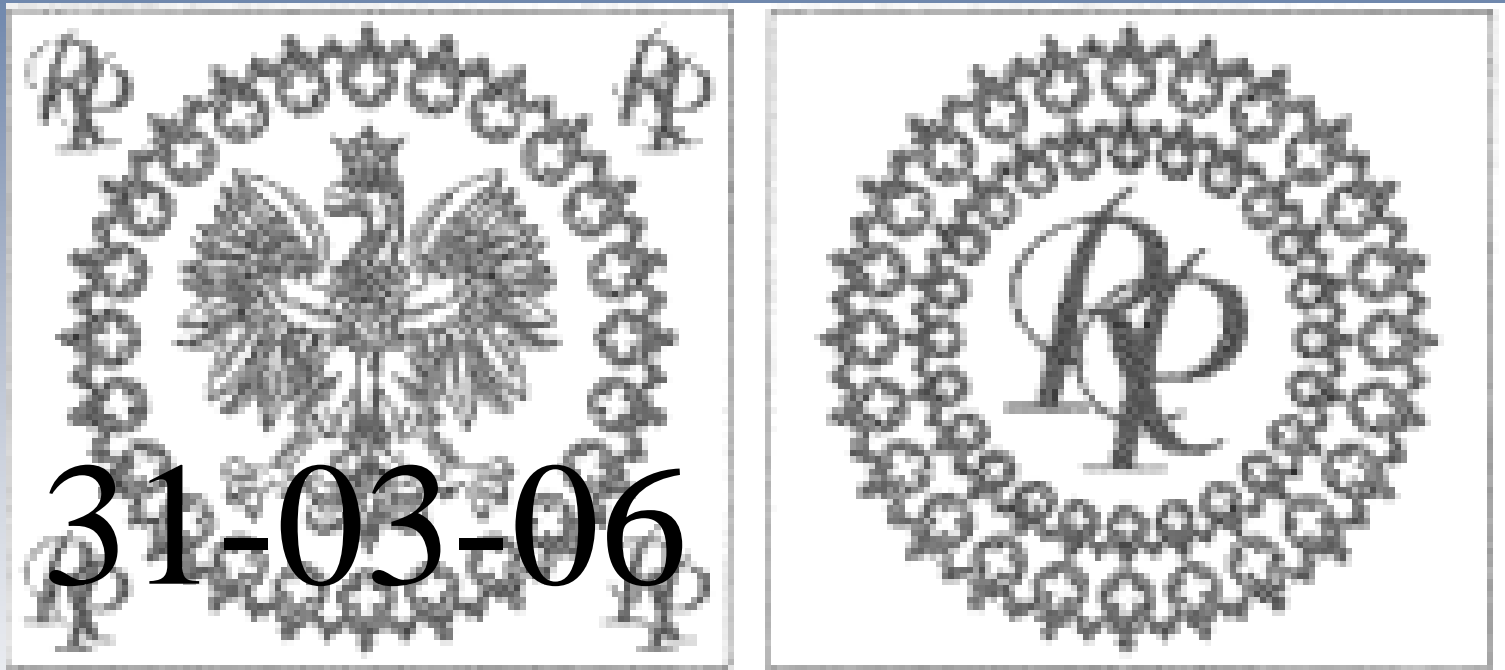
SELS – front view
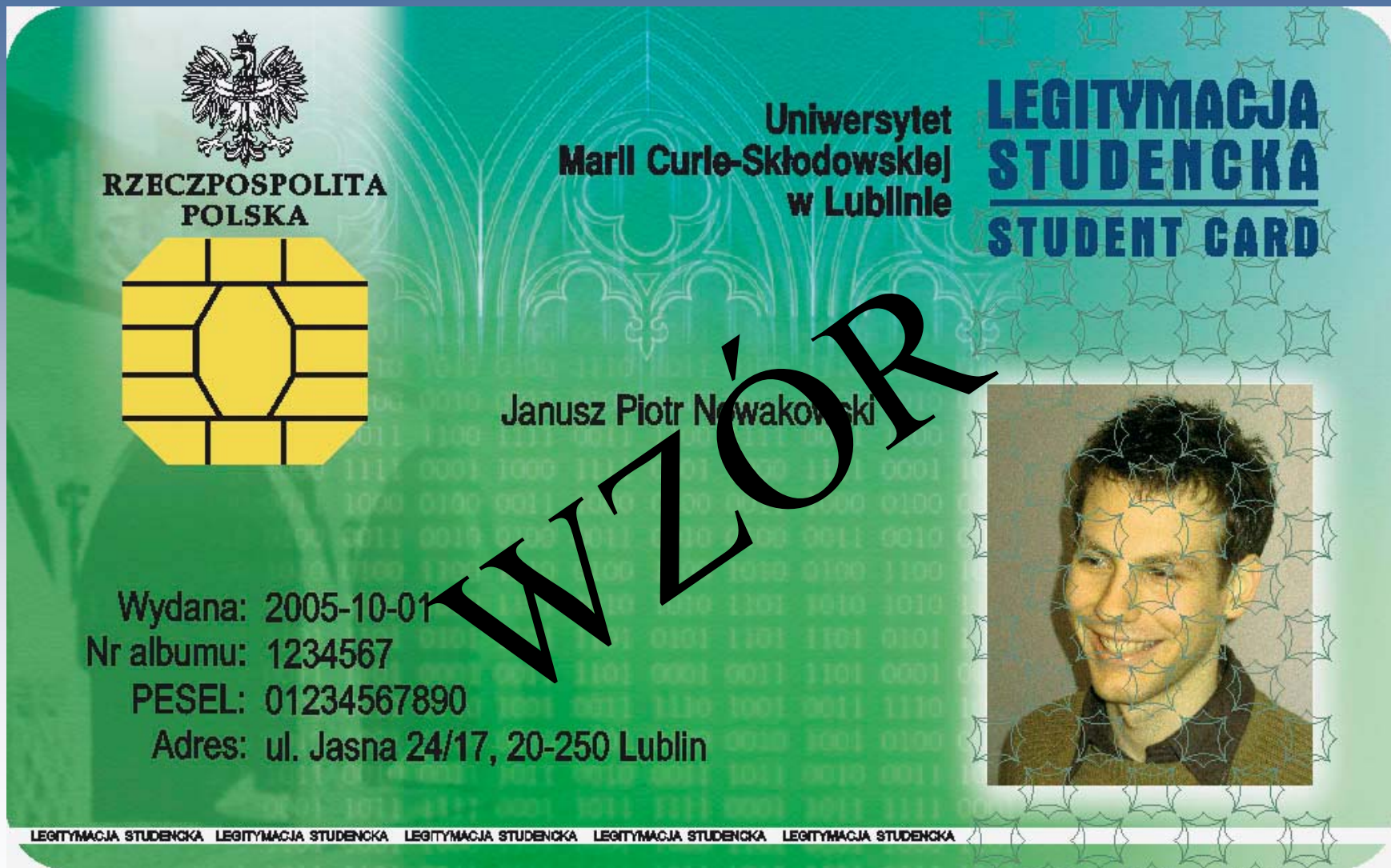
SELS – reverse view

Hologram

Additional applications of SELS

- Use of the bar code in library systems
- Processor contact card opened to other applications
- Extension to a contactless card (hybrid system)
- **Principle**: new applications approved by the HEI issuing the card

Summary

- Bologna process triggers a collaboration of HEI

- Collaboration leads to standardization of IT

- Standardization lowers costs

- IT requires many organizational changes

- Students act in more flexible environment and are more mobile

- All information can be reached easily