



KATHOLIEKE UNIVERSITEIT
LEUVEN



The University of Leuven

Prof. Dr. Bart De Moor
Vice-rector International Policy

Where science meets history and culture

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Leuven in Europe



	Distance (kilometre)	Travelling time (hours/train)
Brussels	30	1/2
Paris	340	2
Amsterdam	220	3
London	350	2
Berlin	750	7

Leuven in Flanders & Belgium



Google Map of Leuven



History



1425 foundation

1797 abolition by French authorities

1816 re-established

1911 start of courses in Dutch

1970 split of the university:

**Katholieke Universiteit Leuven
Université Catholique de Louvain**

2009: welcome !



Famous professors



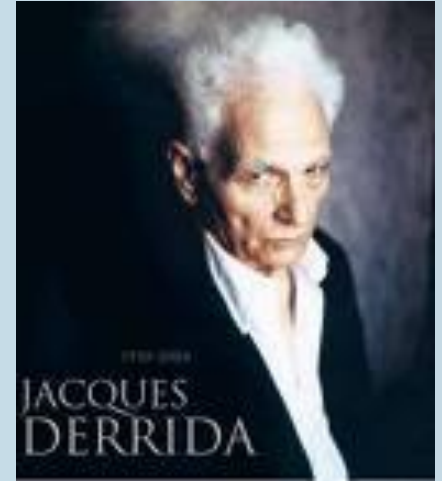
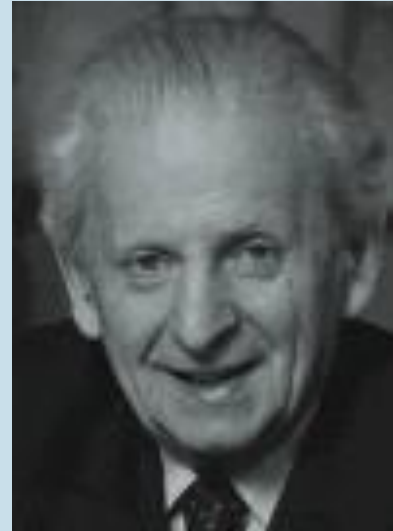
Doctors h.c.



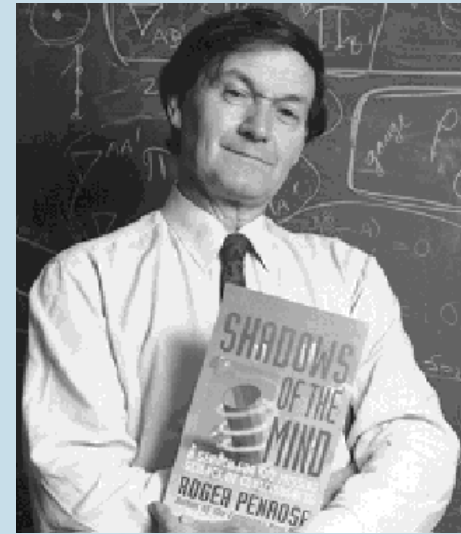
Doctors h.c.



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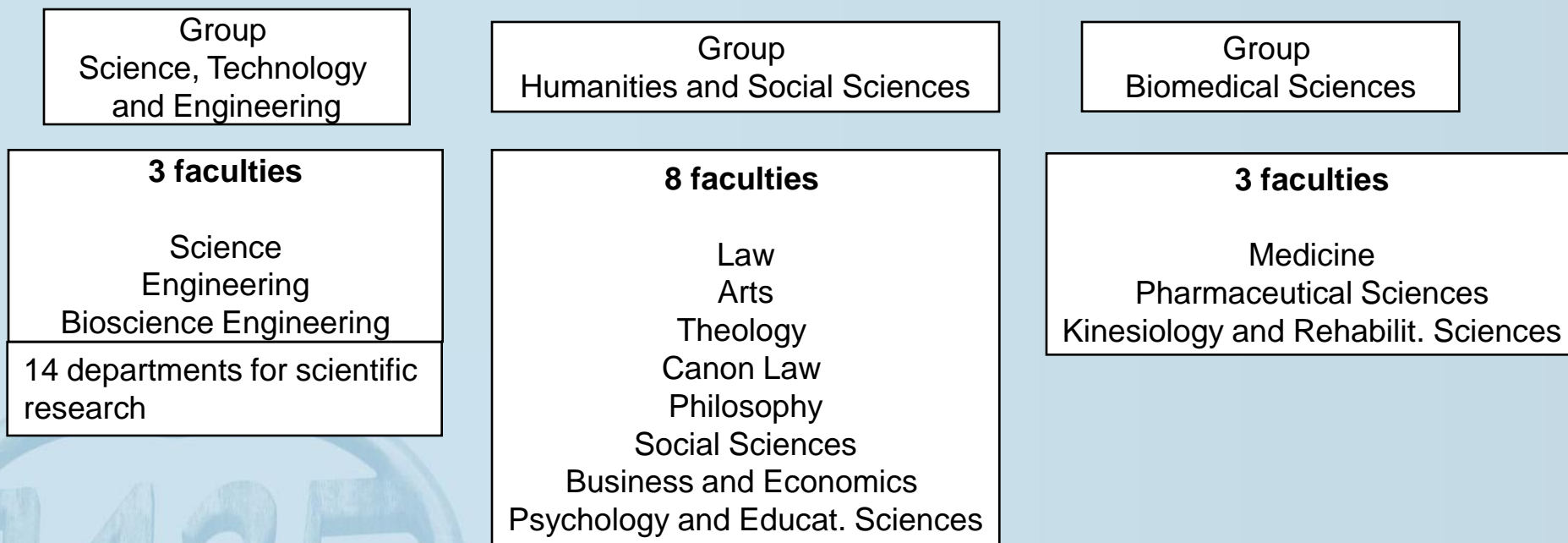
Mission statement



- **Excellence in scientific research**
- **Excellence in academic education**
- **Service to society**

Organisation Chart K.U.Leuven

Three 'vertical' group-vice-rectors



Four 'horizontal' vice-rectors:

Education, Research, Students, International Policy

Science, Engineering and Technology



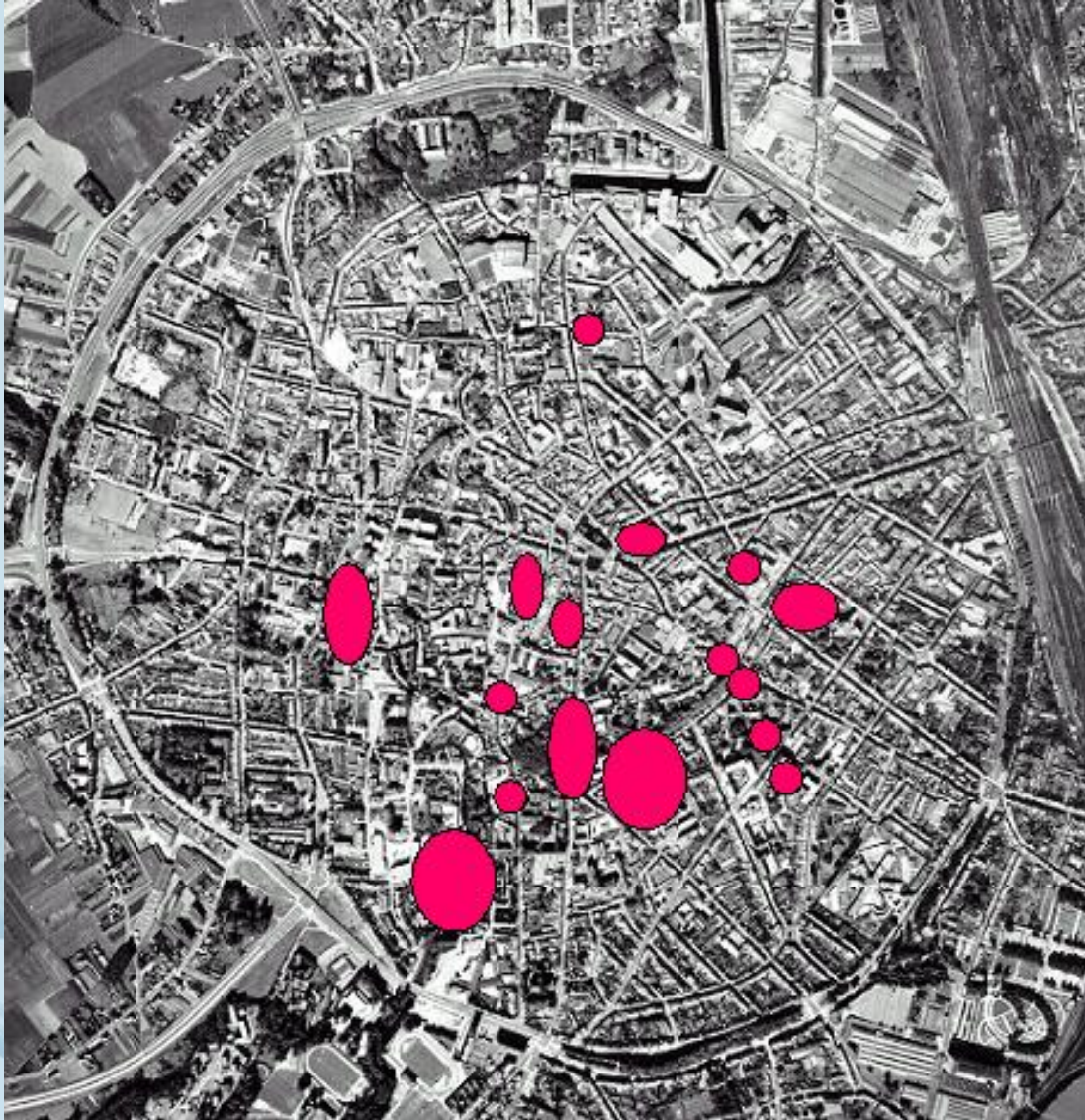
Faculties:

- - Science
- - Engineering
- - Bio-Engineering

**Arenberg Doctoral
School**

Information, Matter, Energy, Life, Habitat

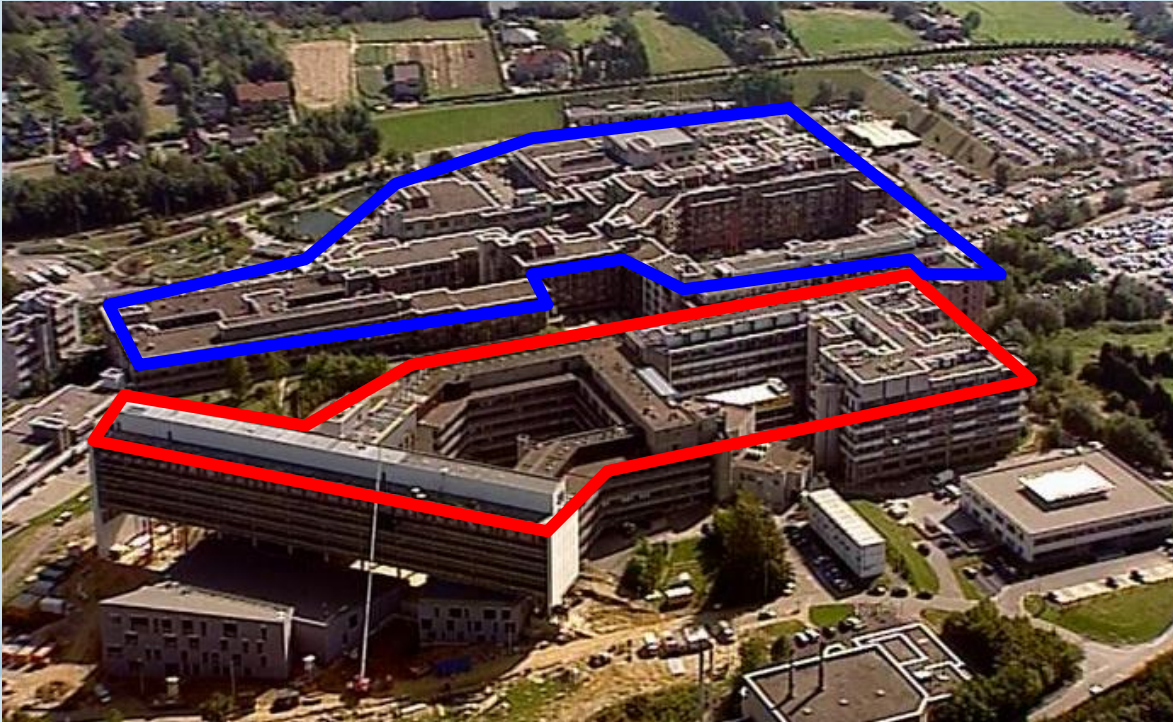
Humanities and Social Sciences



Faculties

- Philosophy
- Theology
- Canon Law
- Law
- Economics
- Social Sciences
- Arts and Literature
- Psychology

Group Biomedical Sciences



Hospital

Academic

Faculties:

- Medical school
- Farmacology
- Sports

Doctoral School

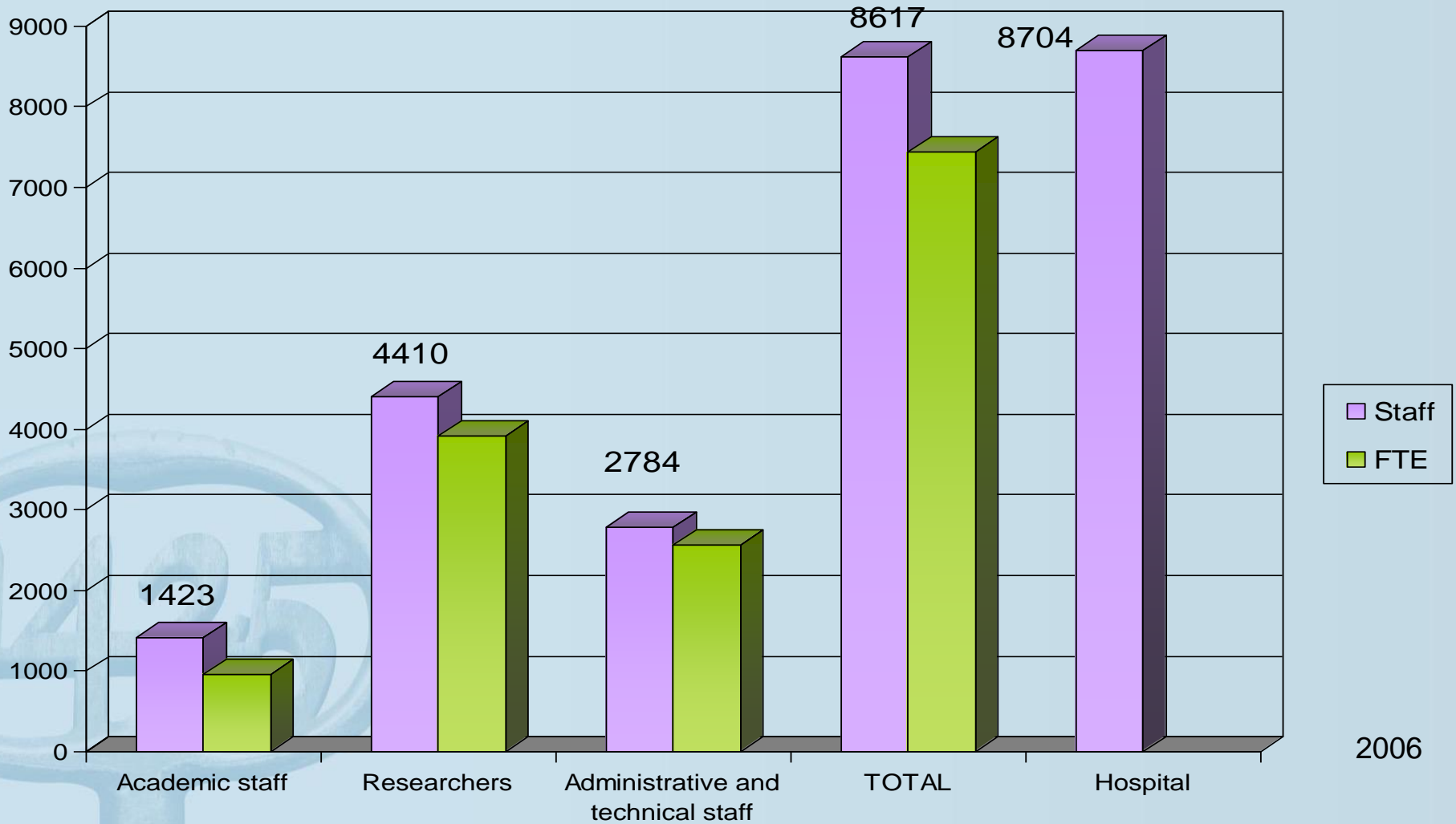
Budget

- Total University Budget: approx. 600 MEuro
 - 44% direct public funding
 - 36% competitive public funding
 - 18% competitive private funding (private contract research)
 - 2% other income

Research expenditures 2008: 296 MEuro

- Total University Hospitals Budget: approx. 650 MEuro

Staff



2006

Students and education

Students: **34,940** (02/02/2009)

BA 53 %, IMA 24 % AMA 8 %

Doctoral Programmes 11 %

Teacher Training 2.5 %

Other 1.5 %

Largest student populations:

Medicine 5,762

Law 4,178

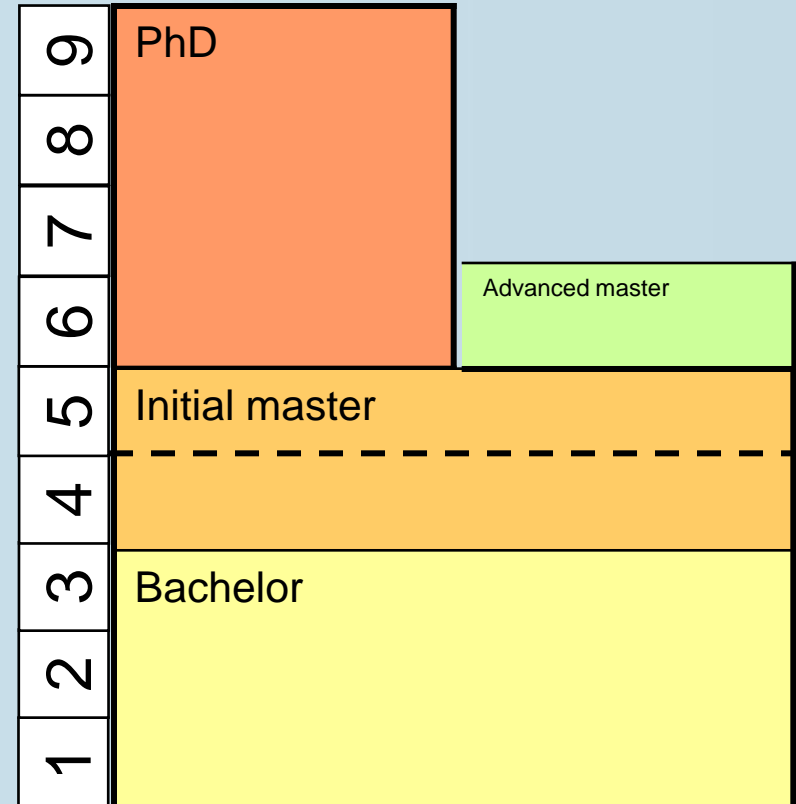
Econ&Bus 4,043

Litt. & Arts 4,003

Engineering 3,814

55% female;

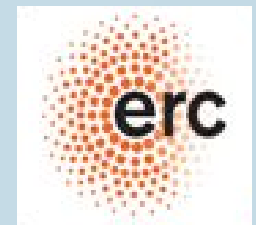
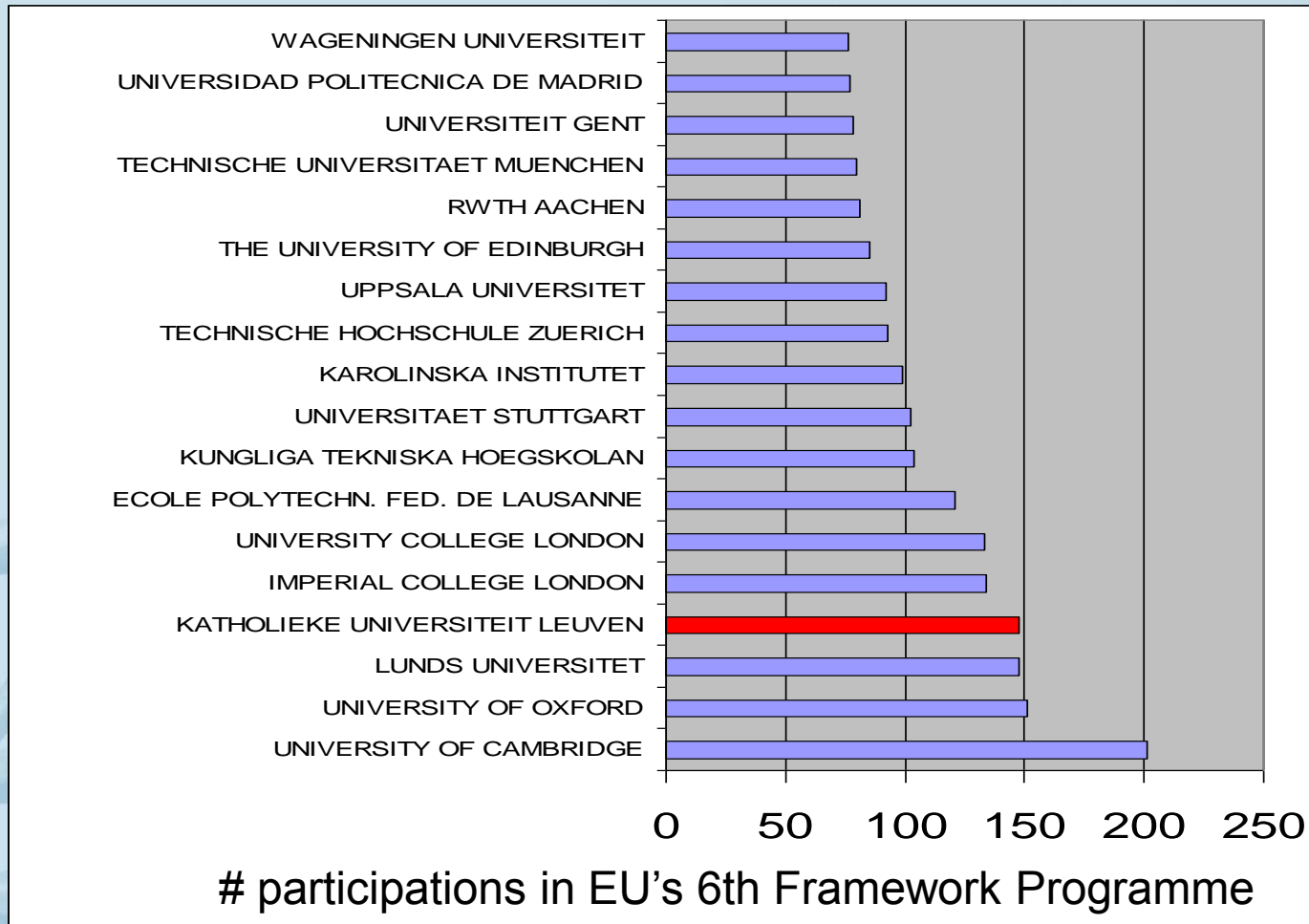
15 % first year



Research key indicators

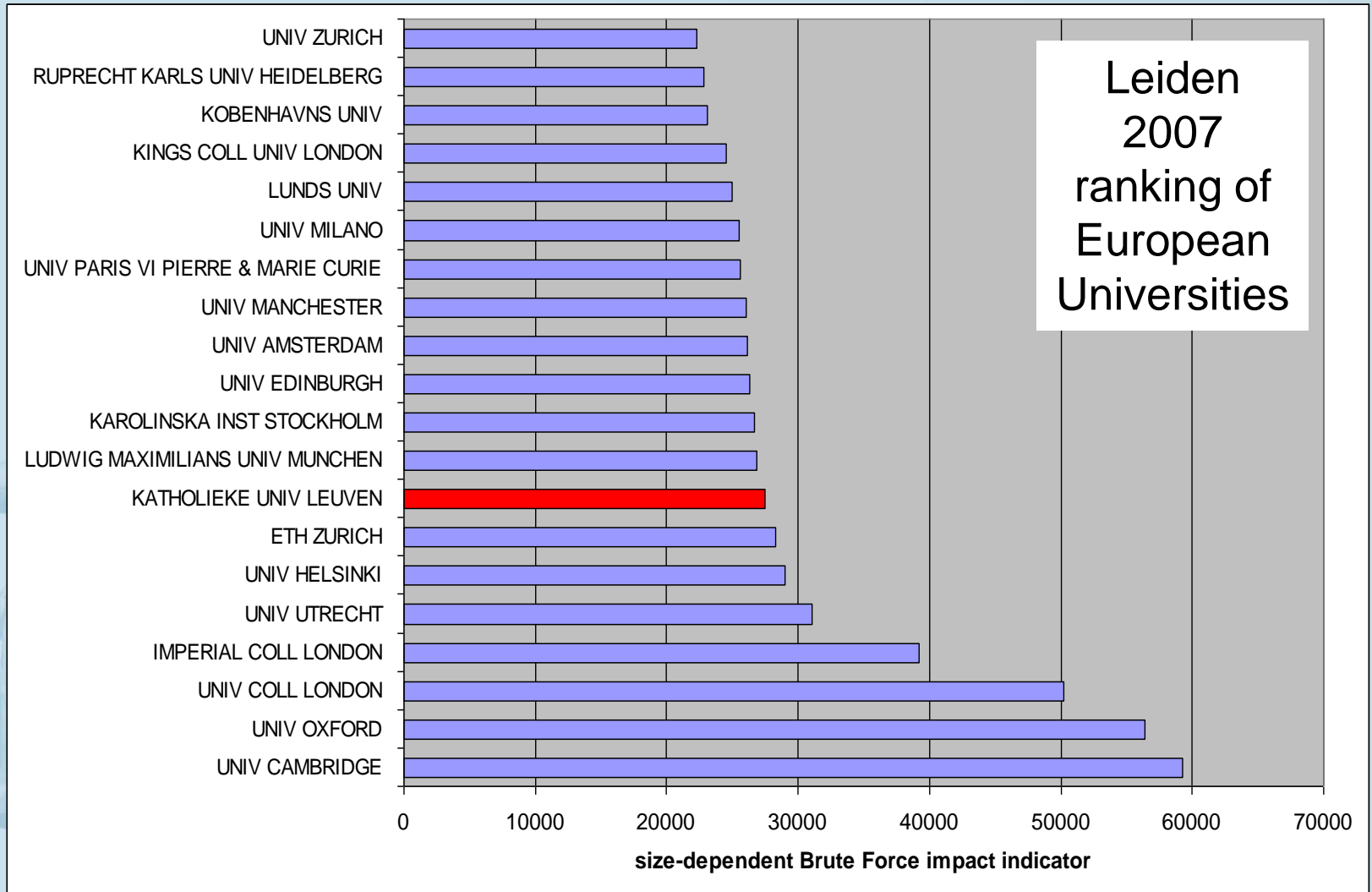
- Scientific publications (2007):
 - 3972 (Web of Science)
 - = 47,5% of Flemish total
- PhD's awarded (2008): 530
- Spin Offs: 22 over last three years (>80 in total)
- Patents awarded (2007): 144

K.U.Leuven Research in Europe



Source: Admin. Science & Innovation, Fl. Gov – Febr 2007 report – **55% of FP6 budget allocated**

K.U.Leuven in Europe (ranking)



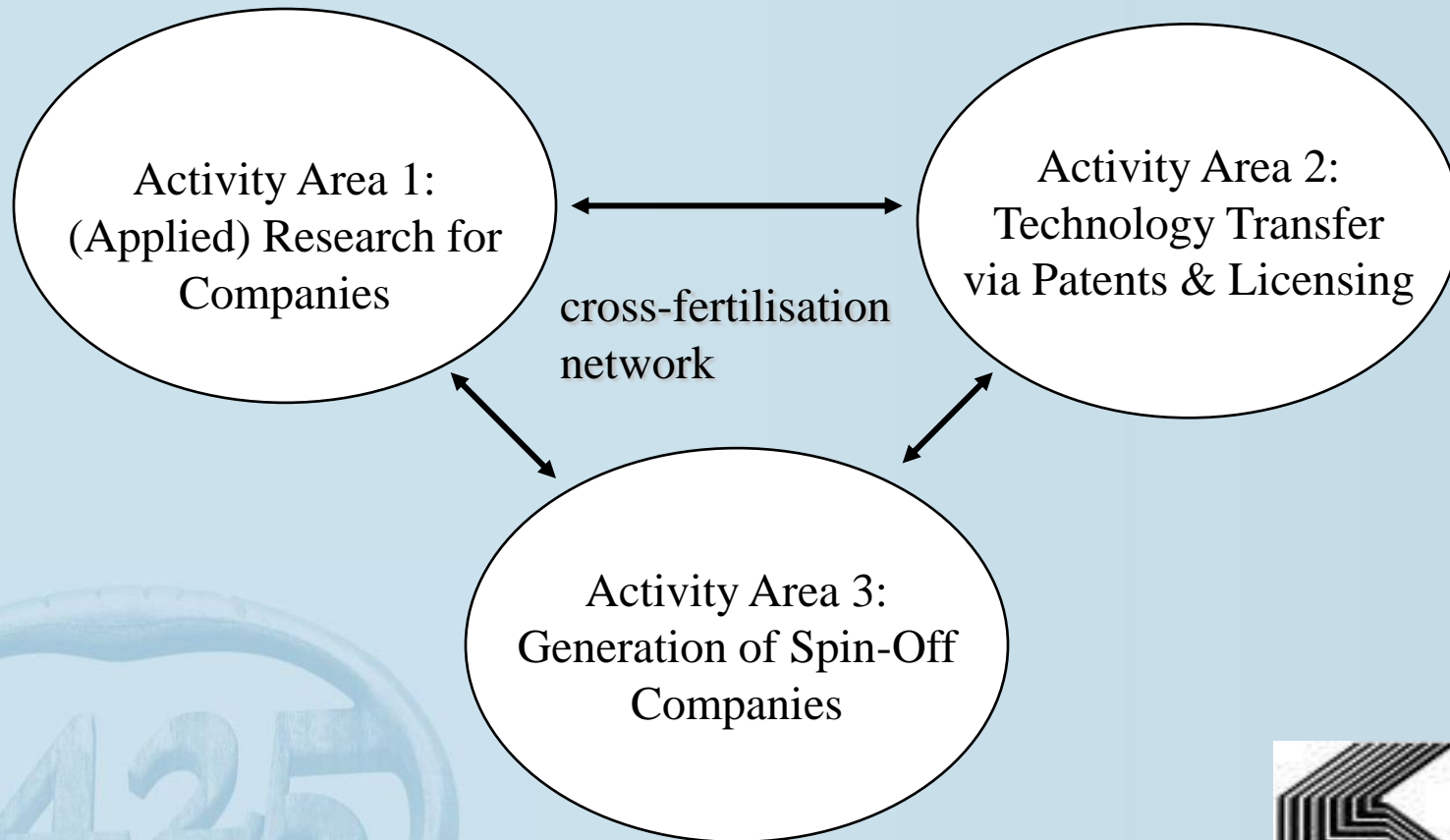
IMEC & K.U.Leuven



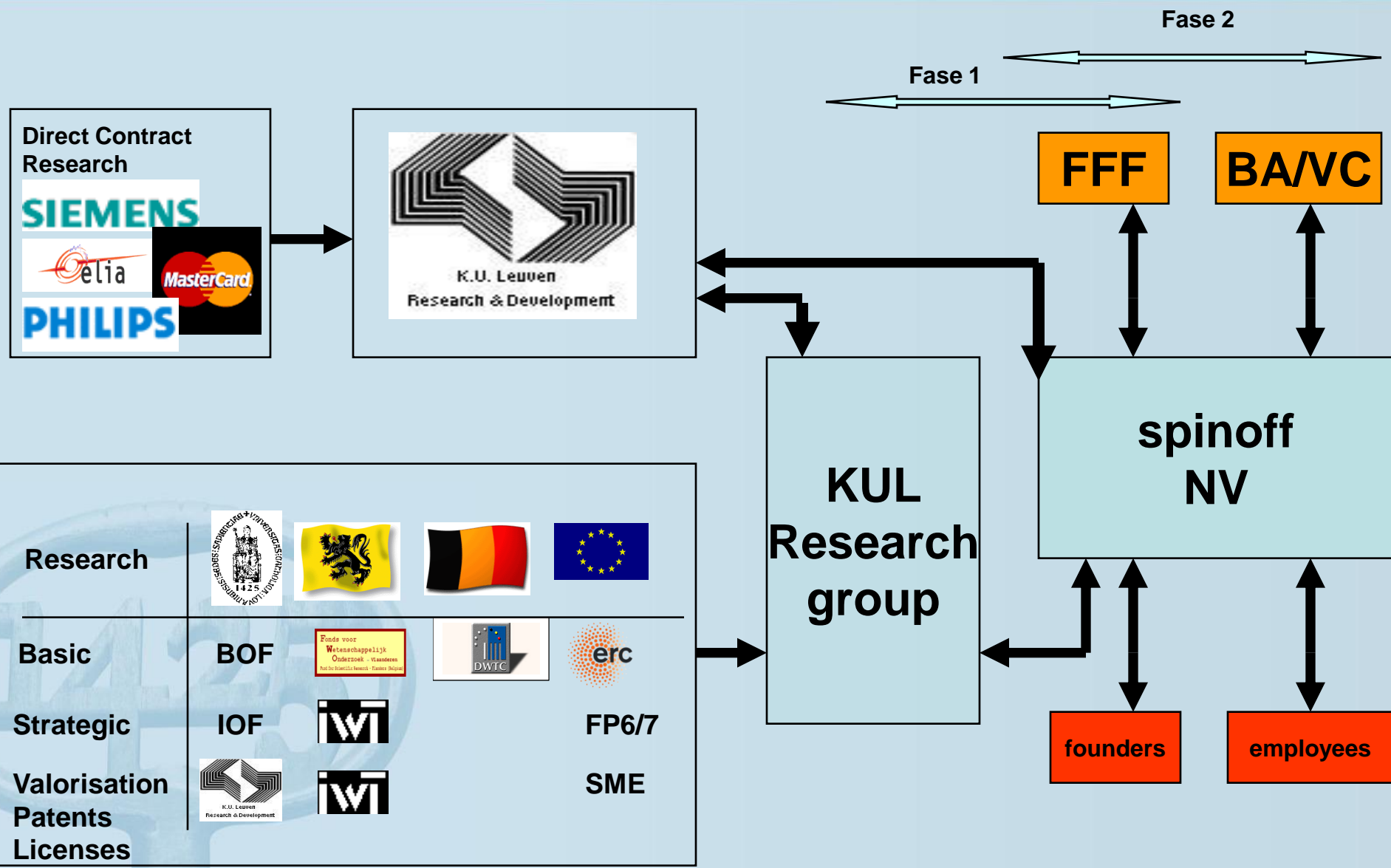
- One of the largest independent R&D organizations in the world with a mission to perform research and development, ahead of industrial needs by 3 to 10 years, in microelectronics, nanotechnology, design methods and technologies for ICT systems
- Rev.: est. 270M€
- Staff: approx. 1600 (> 1000 PhD's, > 52 nationalities, worldwide partners)
- Close partnership: Ac@IMEC-Leuven, hosting 150 PhD students, 20 professors and postdocs on K.U.Leuven campus



Leuven Research and Development

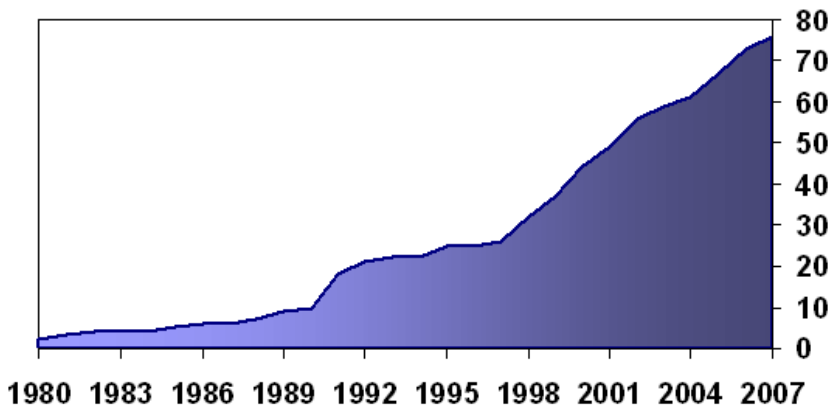


Creating spinoffs



Leuven Research & Development

Spin-offs created



development of business plan

protection and exploitation of intellectual property

finding investors

negotiation & legal support

finding infrastructure

management of growth of the spin-off company

stimulating networking & clustering

IOF Industrial Research Fund

A bridge between university and industry

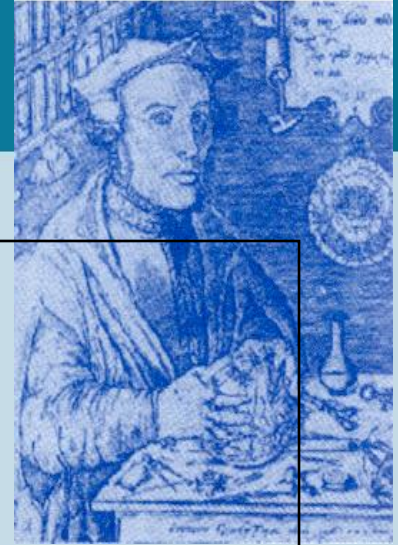
Project types:

- leverage platforms
- knowledge building platforms

People:

- industrial research fellows
- evaluated every 5 years

Gemma Frisius Fund



- **Creation:**
 - October 1997, cfr. Flemish decree 1995
- **Partnership:**
 - K.U. Leuven R&D
 - KBC - Investco
 - Fortis - VIV
- **Complementarity:**
 - Incubator K.U. Leuven R&D, detection + b-plan
 - Equity – financial expertise KBC – Fortis



Examples

Systems and control



Datamining



Systems Biology
Bioinformatics



IPTEC Award



2006 Stanford

2007 Tsinghua

2008 Leuven

Regional development

Research climate @ university

- Major funding sources: IAP, GOA, CoE, Methusalem
- IOF
- Networks: BioSCENter

LRD

- TTO
- Spinoff tradition
- Gemma Frisius
- Entrepreneurial: University wide master course: 'Initiatie tot ondernemen'

Leuven High-Tech Valley

- Local networks: L.inc, DSP Valley, L-SEC, ...
- Interregional: ELAT,...

Flanders

- Science policy: Budget growing since 1995
- Strategic Research Institutes: IMEC (nano), VIB (biotech), IBBT (broadband)
- Competence poles: FMTC (Mechatronics), Flanders Drive, Flanders-Bio,...
- role of IWT: spinoff kick-off projects (up to 65 % funding)
- government seed-money/VC incentives

Belgium

- 'defiscalisation'-measures for R&D in companies

International



4,402 international students (02/02/2009)

2,248 EU students

967 The Netherlands

185 Italy

182 Spain

166 Germany

109 Poland

2,164 Non EU students

Asia: 342 China, 178 India, 90 Turkey, 88 Iran, 81 Russia

Africa: 64 Nigeria, 59 Ethiopia, 48 Cameroon, 34 Congo

N-Am: 182 US, 49 Canada

Lat-Am: 42 Braz, 33 Col, 32 Ecu, 22 Mex/Per, 16 Chi, 11 Arg

12,5% international students overall

33% of advanced MA's and PhD's

International Office



3 units

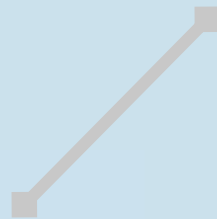
- **International Policy**
 - Policy advice to university management
 - Institutional agreements and networks
 - European programmes: Erasmus
- * **Development Co-operation**
 - Development human resources, joint research, capacity building in North and South
 - Finances: VLIR-UOS, IRO
- **International admissions and mobility**
 - admissionprocess, status, scholarships
 - credential evaluation
 - intercultural process / Vesta

International networks

Our objective: to be a prominent centre of higher education in Europe



Our objective: to be a prominent centre of research in Europe

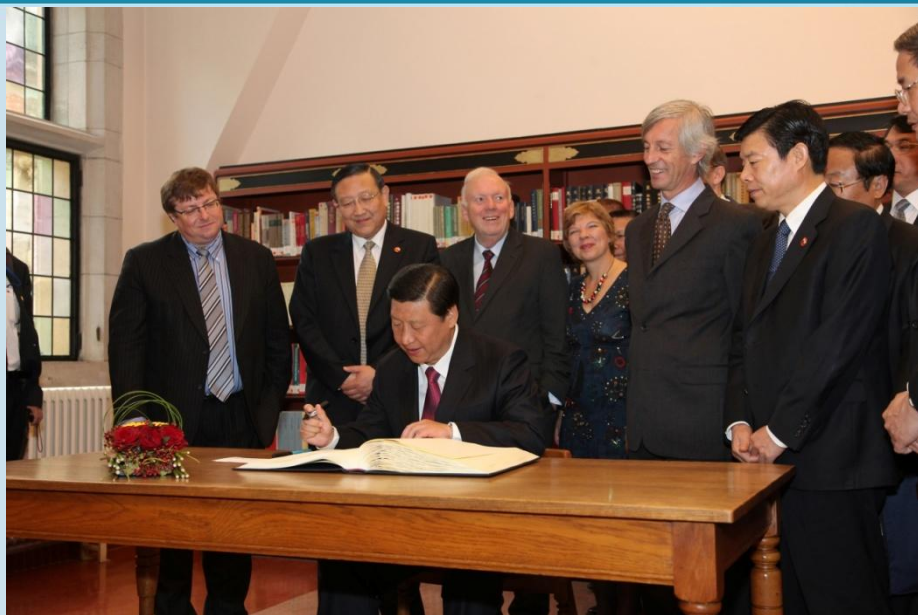


1985 :
37 European multidisciplinary universities

2002:
20 European research-intensive universities



VIP



VIP



Concluding

“Either we further strengthen our international contacts or we curtail the ambition of being a top level research university. There is simply no other way.”

K.U.Leuven delegation member during recent mission to India,
24 April – 3 May, 2008
(in “De Morgen”)

