



Jouni Pursiainen

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19.8.2008

UNIVERSITY of OULU  
OULUN YLIOPISTO



# The University's Primary Regions of Influence

*Geophysical Observatory  
Research Liaison Officer (OY, LY)*

*Meri-Lappi Institute  
Research Liaison Officer*

*Perämeri Research Station*

*Graduate Engineer Training Program*

*Chydenius Institute (JY)  
Research Liaison Officer(OY, JY, VY)*

*Oulu Southern Institute*

Sodankylä

Rovaniemi

*Oulanka Research Station  
Naturpolis Kuusamo*

Kemi

Kuusamo

Hailuoto

University of Oulu  
**OULU**

*Department of Teacher Education  
Kajaani University Consortium*

Raahe

Nivala

Kajaani

Kokkola

Iisalmi

*Research Liaison Officer (OY, KY)*

Vaasa

Kuopio

Joensuu

Jyväskylä

Tampere

Lappeenranta

Turku

Helsinki

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# University of Oulu – Northern Gateway to Knowledge

• Founded	1958
• Students	16 729
admissions	2 075
• Staff	3 053
– professors	244
• Awarded Degrees in 2006	1 668
– first degrees	1 287
– doctorates	143
• Expenditure in 2006	206.0 M€
– state budget	125.3 M€
– external funding	80.6 M€

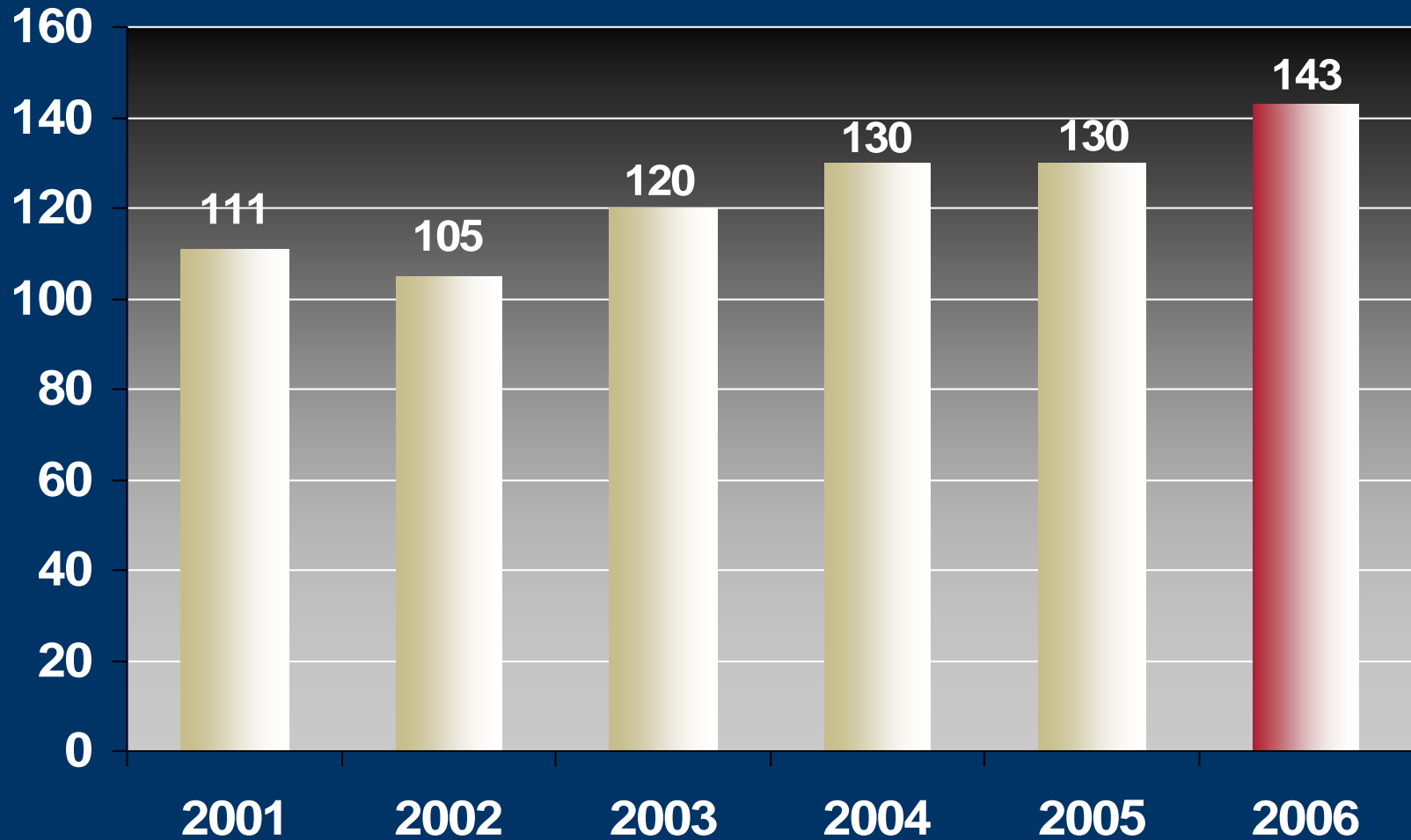


# Faculties and Disciplines

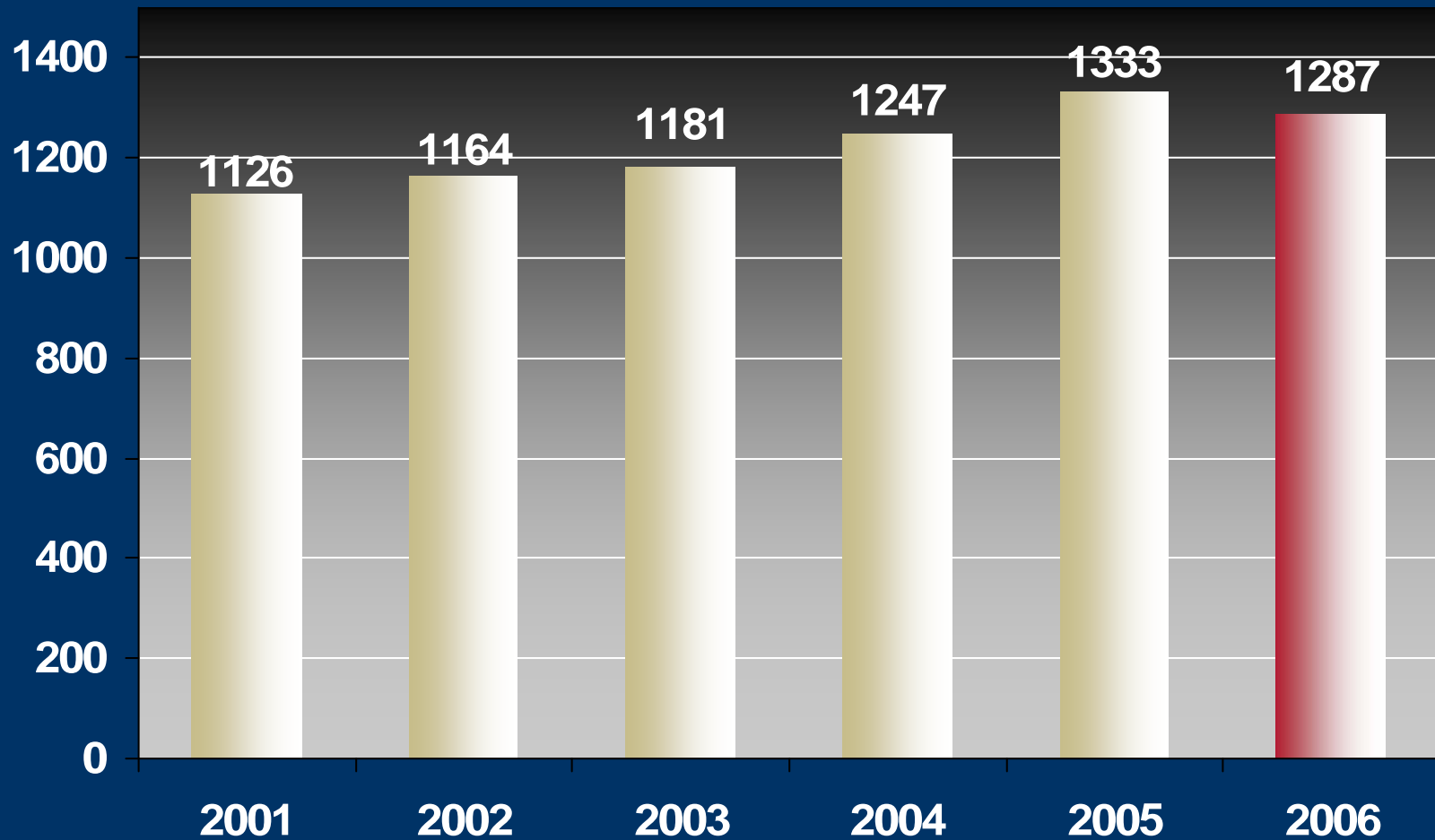
- Faculties *number of students*
  - Humanities 2 403
  - Education 1 922
  - Science 4 522
  - Medicine 1 973
  - Economics and Business Administration 1 023
  - Technology 4 818
- There are 45 training programmes in all



# Doctorates in 2001–2006

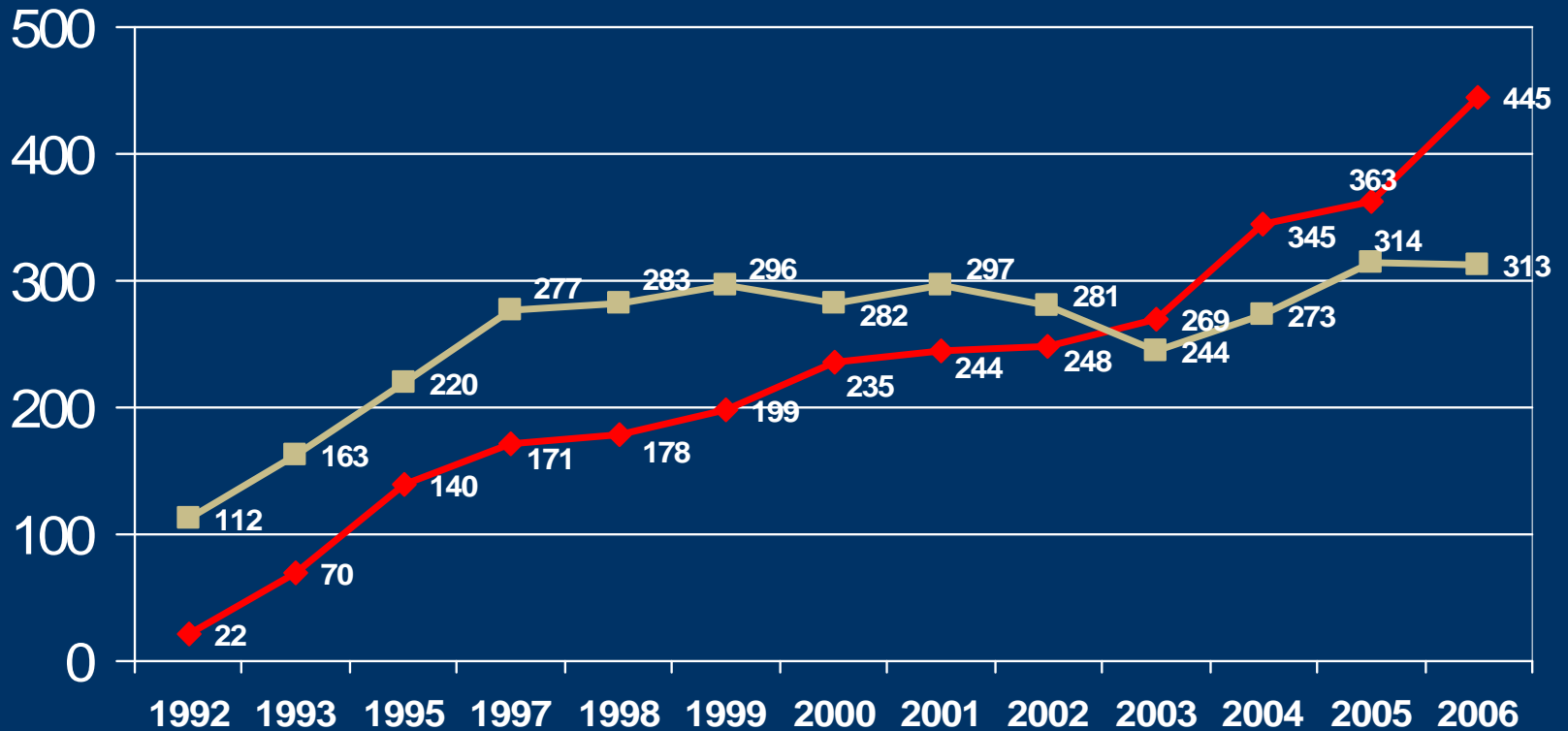


# First Degrees Completed in 2001–2006

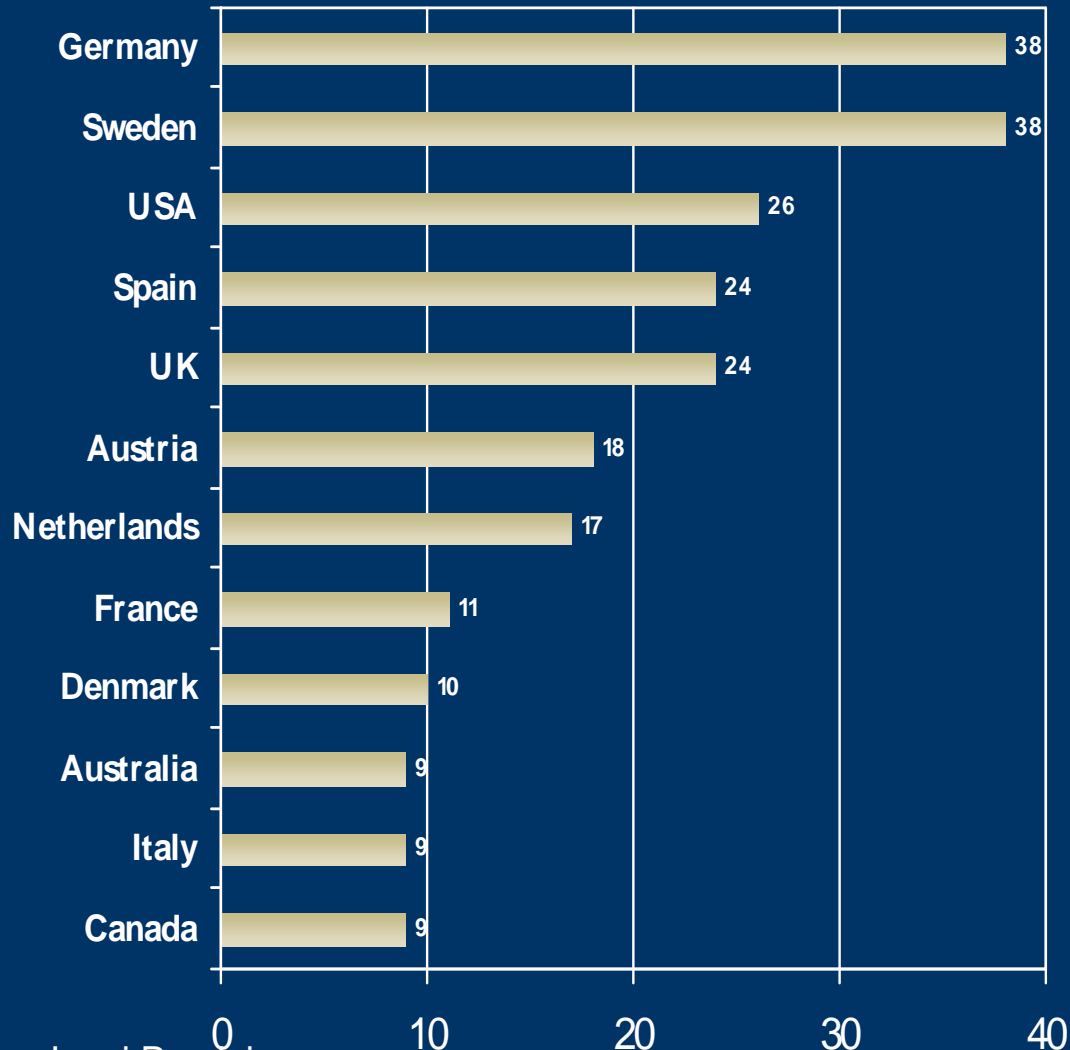


# Total Student Mobility between 1992–2006

◆ Incoming ■ Outgoing



# Outgoing Exchange Students by Host Country

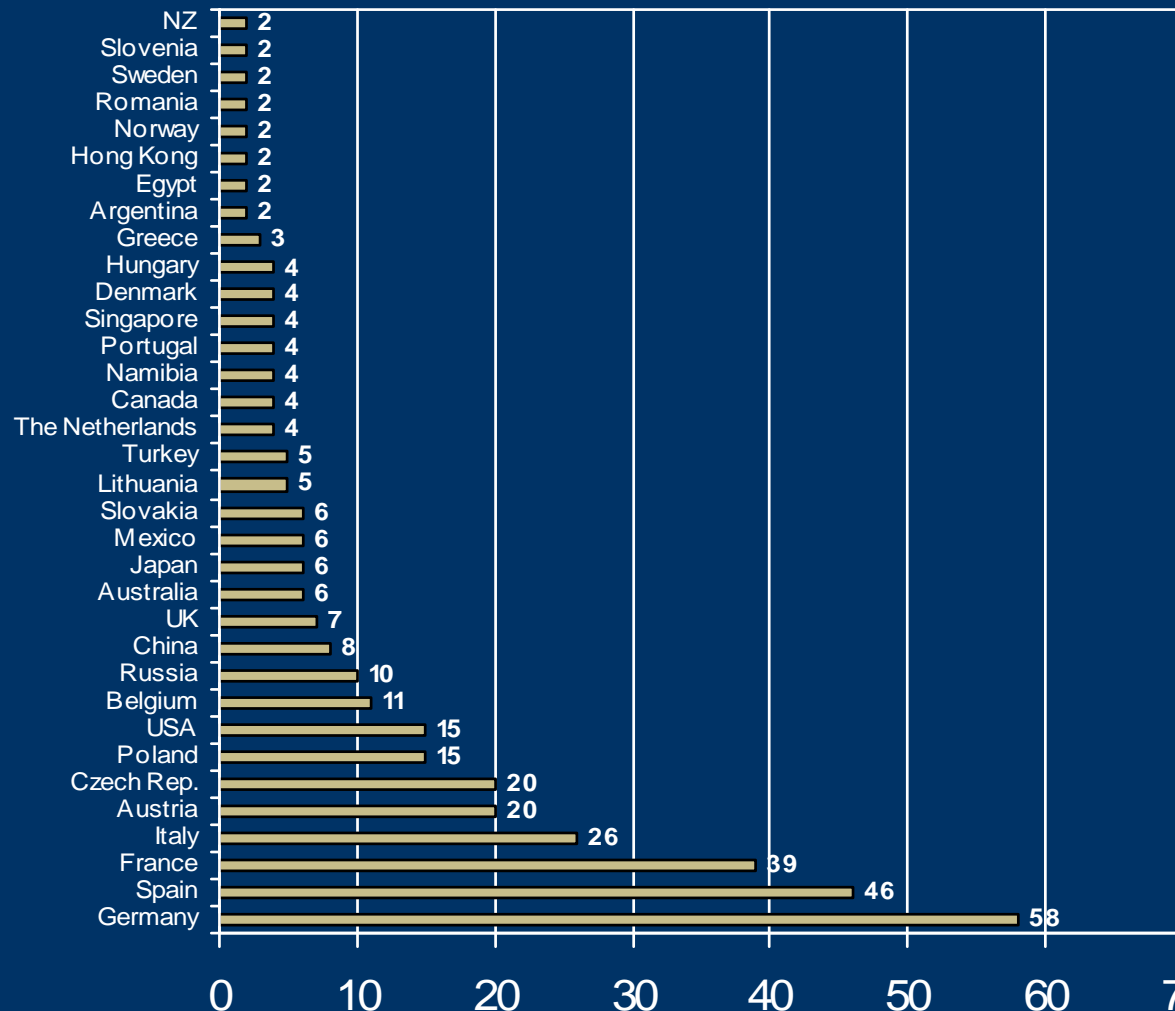


Moreover,  
8: Czech Rep., Hungary  
6: Japan, Russia  
5: Norway  
4: Singapore  
3: Hong Kong, Iceland, China, Greece,  
New Zealand, Slovakia  
2: South Africa, Ireland, Namibia,  
Portugal, Estonia  
1: Belgium, Korea, Mexico, Poland  
11: unknown

**Total 313 (2006)**



# Incoming Exchange Students by Home Country



Moreover, one student from

- Bangladesh
- Bulgaria
- South Africa
- India
- Iceland
- Sri Lanka
- Estonia

**Total 363 (2005)**



# Research in Focus Areas



## Information technology and wireless communications (Infotech Oulu)

- wireless communication, mobile applications, electronics, photonics, nanotechnology, machine vision, intelligent systems, ubiquitous information technology, and wellness technology



## Biotechnology and molecular medicine (Biocenter Oulu)

- molecular and cell biology, molecular enzymology, molecular genetics, evolutionary biology, bioprocess engineering, population genetics, and the central biological and medical aspects of cardiovascular diseases and systemic connective tissue diseases



## Northern and Environmental issues (Thule Institute)

- Global Change in the North, Northern Land Use and Land Cover as well as Circumpolar Health and Wellbeing
- Master's Programme in Circumpolar Health and Wellbeing, EnviroNet (Multidisciplinary environmental graduate Net school)
- Sami language and Sami culture (Giellagas Institute)



# FACULTY OF SCIENCE

## DEPARTMENTS

Biochemistry  
Biology  
Physical sciences  
Geosciences  
Chemistry  
Geography  
Mathematical sciences  
Information processing science

## MUSEUMS, GARDENS

Biology:  
• Zoological museum  
• Zoological gardens  
• Botanical museum  
• Botanical gardens

Geosciences:  
• Geological museum



# STUDENTS 2006

- Students 4069
- New students 627
- Doctoral students 448

## Intake 2006:

Biochemistry	30
Biology	56
Physical sciences	89
Geosciences	22
Chemistry	74
Geography	40
Mathematical sciences	109
Information processing science	172



# M.Sc. AND Ph.D. DEGREES 2006

	M.Sc.	Ph.D.
Biochemistry	24	8
Biology	33	9
Physical sciences	22	8
Geological sciences	9	2
Chemistry	13	3
Geography	26	2
Mathematical sciences	70	1
Information processing sciences	67	7
Faculty of Science	266	40



# CURRENT ISSUES

## Quality of research

- Research Assessment Exercise 2008: Average level of research high, some top-level Departments. Focusing needs still to be done
- Shanghai ranking of Universities: Oulu second among Finnish Universities

## Changes in University Law 2010

- Ministry of Education: more leadership, independence and focusing in research (with less money?)
- University Board should have half of the members outside the University (more strategic approach)
- Changes have to be planned next winter





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