



Enhancing the Attractiveness of  
the European Forestry Education



University of Applied Sciences  
Eberswalde

# International Master Programs in Eberswalde



## Programs and Experiences

Michael Mussong

# Contents



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## The University of Applied Sciences (Fachhochschule) Eberswalde

- Short Portrait
- International Aspects
- Master Programs
- Experiences



# Short Portrait



University of Applied Sciences  
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- located close to the capital Berlin
- longest tradition in Europe regarding
  - sustainable forest management
  - forestry research and teaching (founded in 1830 by W.L.Pfeil)
- re-established in 1992
  - 4 faculties / 15 study programs
  - bachelor, master, (diploma)
- smallest University in Germany : ~ 1 400 students, 44 professors



# Short Portrait



University of Applied Science  
Eberswalde

## 4 Faculties

- Faculty of Forestry
- Faculty of Landscape Use and Nature Protection
- Faculty of Wood Science Technology
- Faculty of Business and Accounting





# Short Portrait



University of Applied Sciences  
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## 15 Study Programs

Bachelor (B.Sc./B.A.)

- Forestry
- International Forest Ecosystem Management
- Wood Science Technology
- Landscape Use and Nature Protection
- Ecological Agriculture and Marketing
- Regional Management B.A.
- Enterprise Management B.A.
- Finance Management B.A.



# Short Portrait



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## 15 Study Programs

Master (M.Sc./M.A.)

- Forest Information Technology (FIT)
- Global Change Management (GCM)
- Wood Science Technology (in preparation)
- Regional Development and Nature Protection
- Ecological Agriculture Management
- Sustainable Tourism Management (M.A.)
- Marketing Management (M.A.)



# International Aspects



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## Criteria of „International“

- Studying according to the international ECTS-System (Bachelor/Master)
- International study programs (→ international topics, (guest) lectures, students, languages...)
- International projects and co-operations partners (→ universities, NGOs, companies...)
- Practical/theoretical semesters abroad



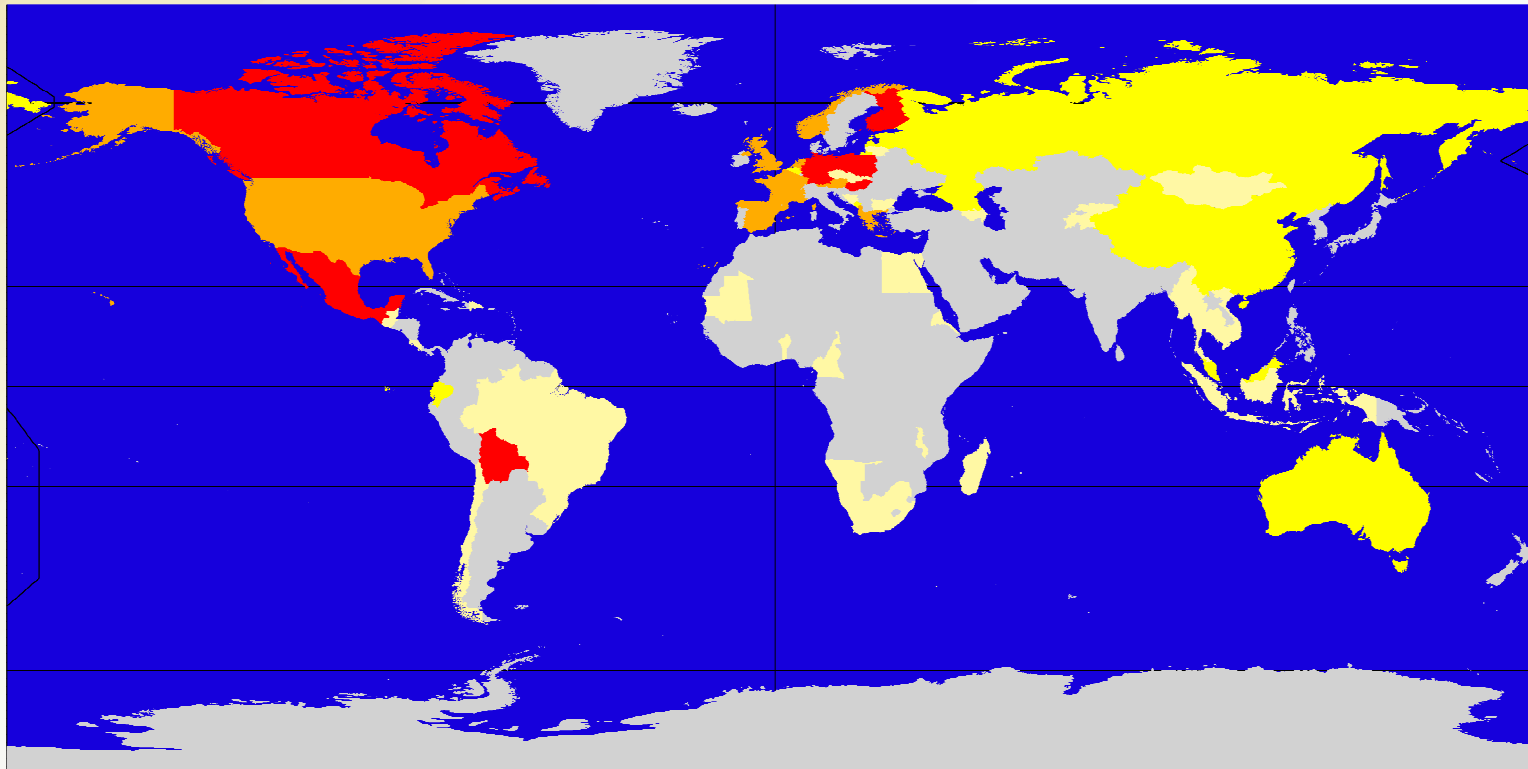


# International Aspects



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## International Co-operation



yellow to red: increasing intensity of cooperation  
gray: no formal cooperation



# International Master Programs



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## Forest Information Technology (FIT)

interdisciplinary education offer with  
its main focus on the application of  
information technology in  
forest system research and landscape  
management



**Aim:** training in the creative  
application of information technologies  
that will aid in the description and  
solution of environmental problems



Warsaw  
Agricultural University

# Forest Information Technology



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## Program structure

4. Sem.	Elective courses, Master thesis
Eberswalde or Warsaw	
3. Sem.	Specialisation (elective courses), Independent research project
Eberswalde, Warsaw or oth.	
2. Sem.	Continuative knowledge of environmental inform. technologies and forestry related courses
Warsaw	
1. Sem.	Basic knowledge of environmental information technologies
Eberswalde	

# Forest Information Technology



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**Contents**

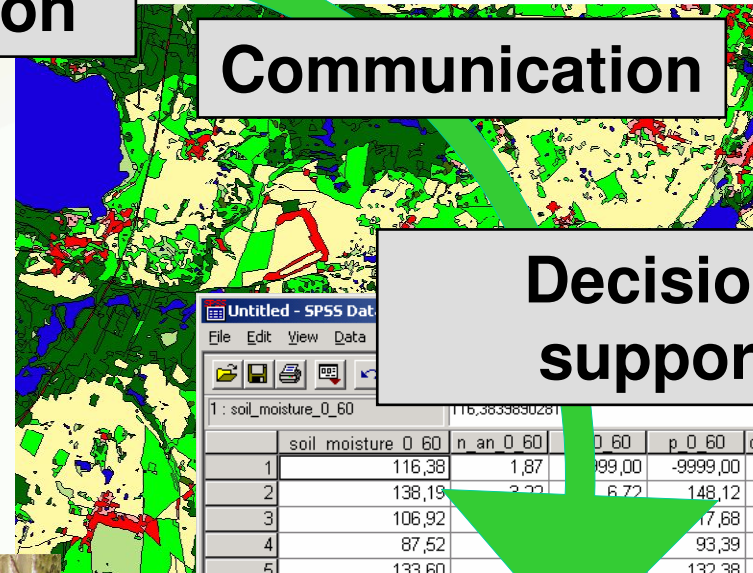
**Visualisation**

**Communication**

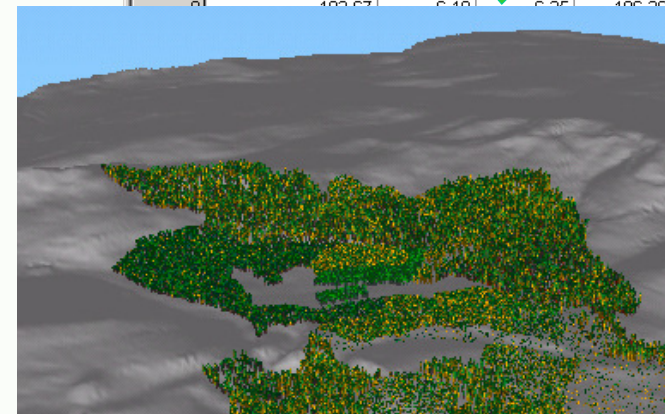
**Analysing  
Information**

**Collecting  
Information**

**Decision  
support**



Untitled - SPSS Data Editor					
File Edit View Data					
1 : soil_moisture_0_60					
	soil moisture 0_60	n an 0_60	0_60	p 0_60	c org 0_60
1	116,38	1,87	-9999,00	-9999,00	-9999,00
2	138,19	2,22	6,72	148,12	5705,17
3	106,92			17,68	-9999,00
4	87,52			93,39	3810,33
5	133,60			132,38	4317,17
6	80,68	5,6	30	183,77	6567,57
7	92,06	9,07	6,95	125,72	-9999,00
8	103,67	6,48	6,25	106,26	4243,44
					5606,67
					2832,44
					4882,81



# International Master Programs

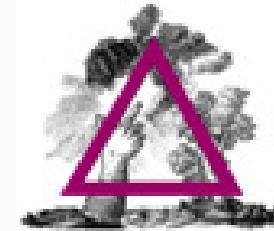


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## Global Change Management (GCM)

interdisciplinary education offer with its main focus on a proactive sustainable management of natural resources under the global environmental change processes

**Aim:** to train specialists who are able to effectively contribute to the mitigation of and adaptation to the drastic effects of Global Change



PIK



Münchener Rück  
Munich Re Group



gtz





# Global Change Management



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## Program structure

4. Sem.

**Master thesis** (and complex module)

3. Sem.

**Research project** (with partners)

2. Sem.

**... Fundamentals and methods**

1. Sem.

**Fundamentals and methods**

(Global Change processes and driving forces behind them; Impact of GC on biological systems and land use; Socio-economic, institutional and political dimensions; Design and implementation of management strategies)



# Experiences



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## The big '+' of Eberswalde

- Unique combinations of ecological, economical and management study courses
- Excellent infrastructure (IT, laboratories, botanical garden, library...)
- Efficient study in small classes / optimal „Prof./Students-Ratio“
- Close cooperation with regional authorities and NGO's
- Excellent strategical location (close to capital, biosphere reserve, national and regional research organisations...)
- Large number of international co-operation programs

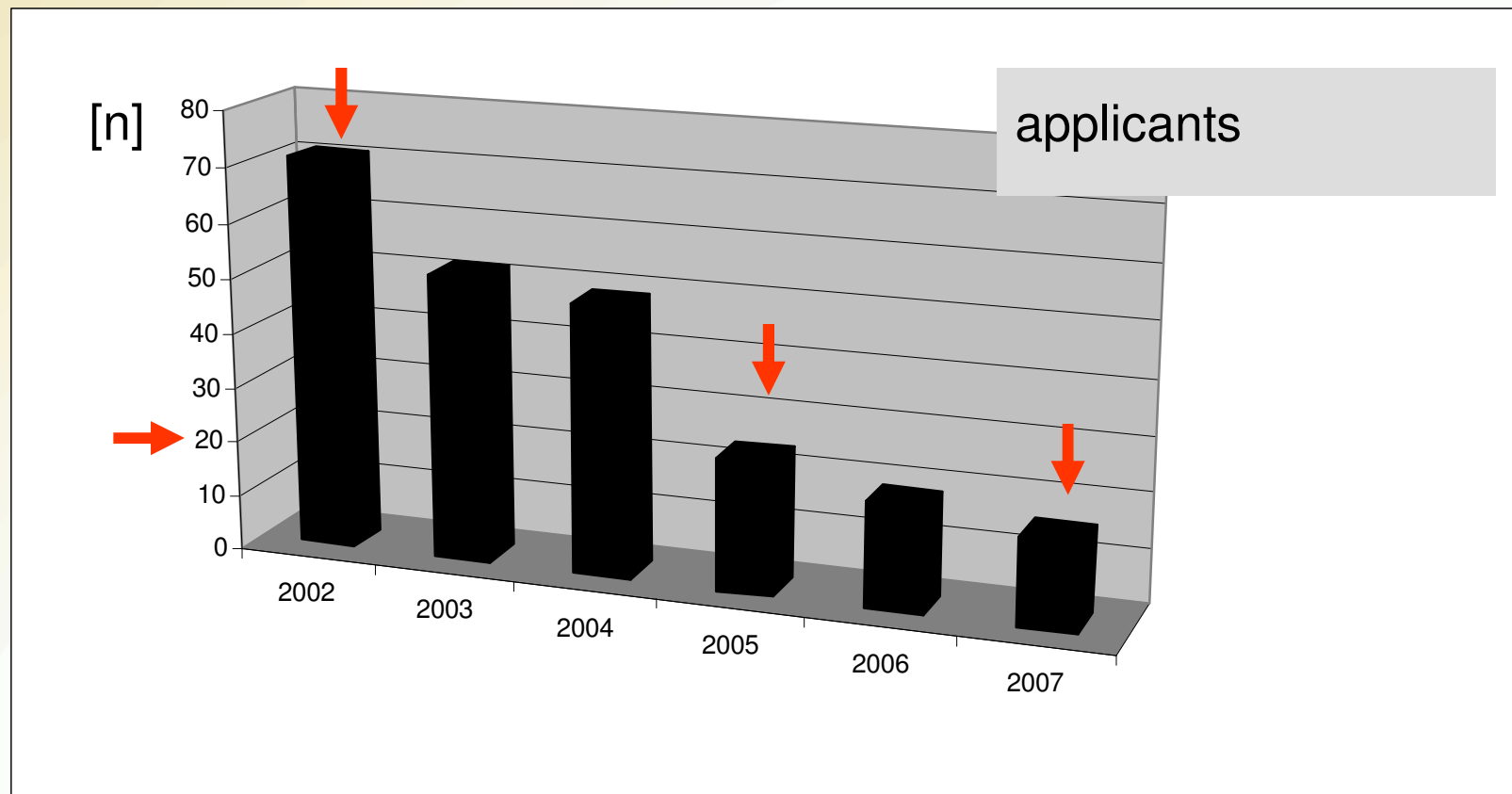
➔ **successfull international (master) programs ?**

# Experiences



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## Master Students (FIT)

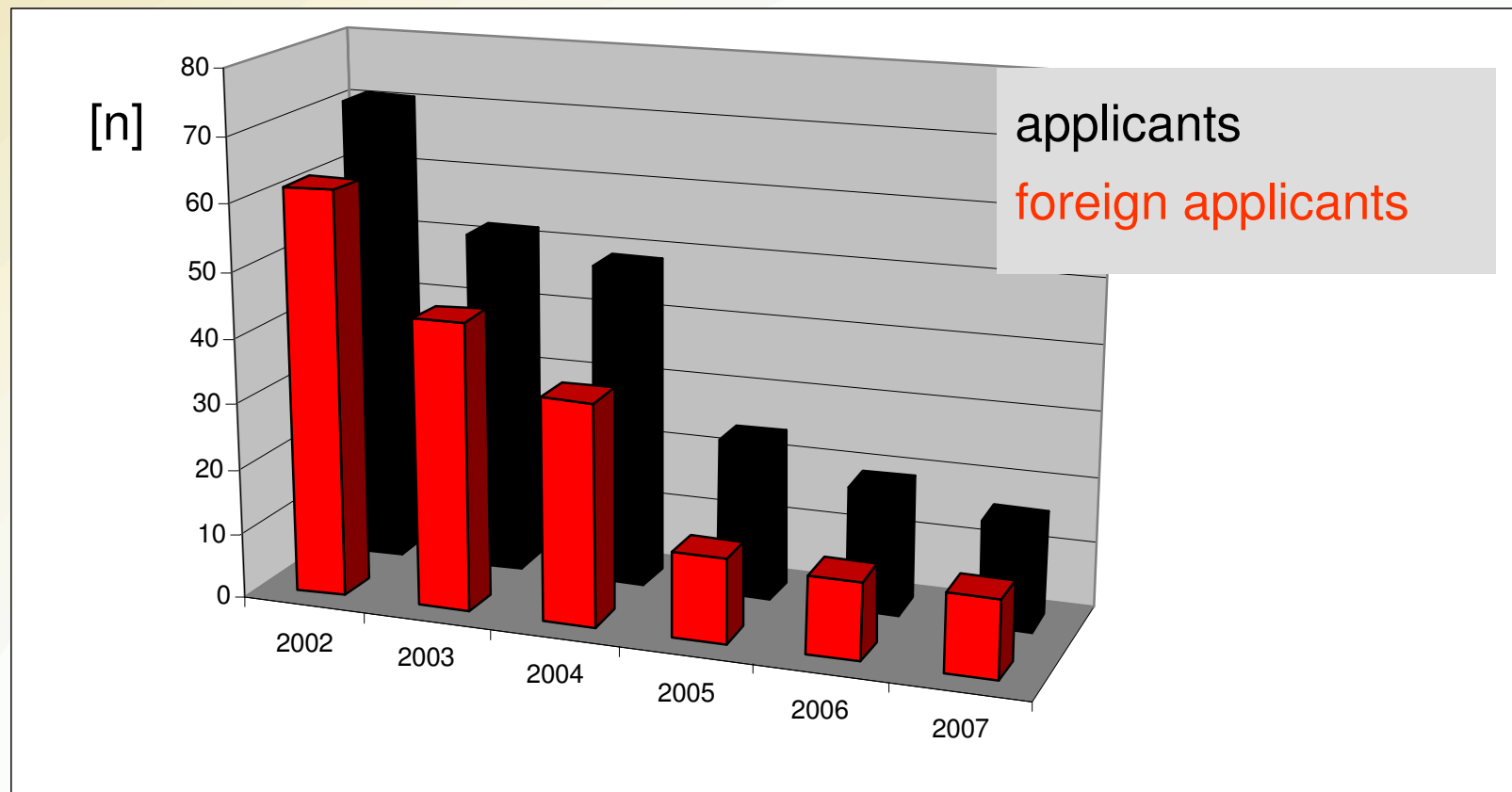


# Experiences



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## Master Students (FIT)



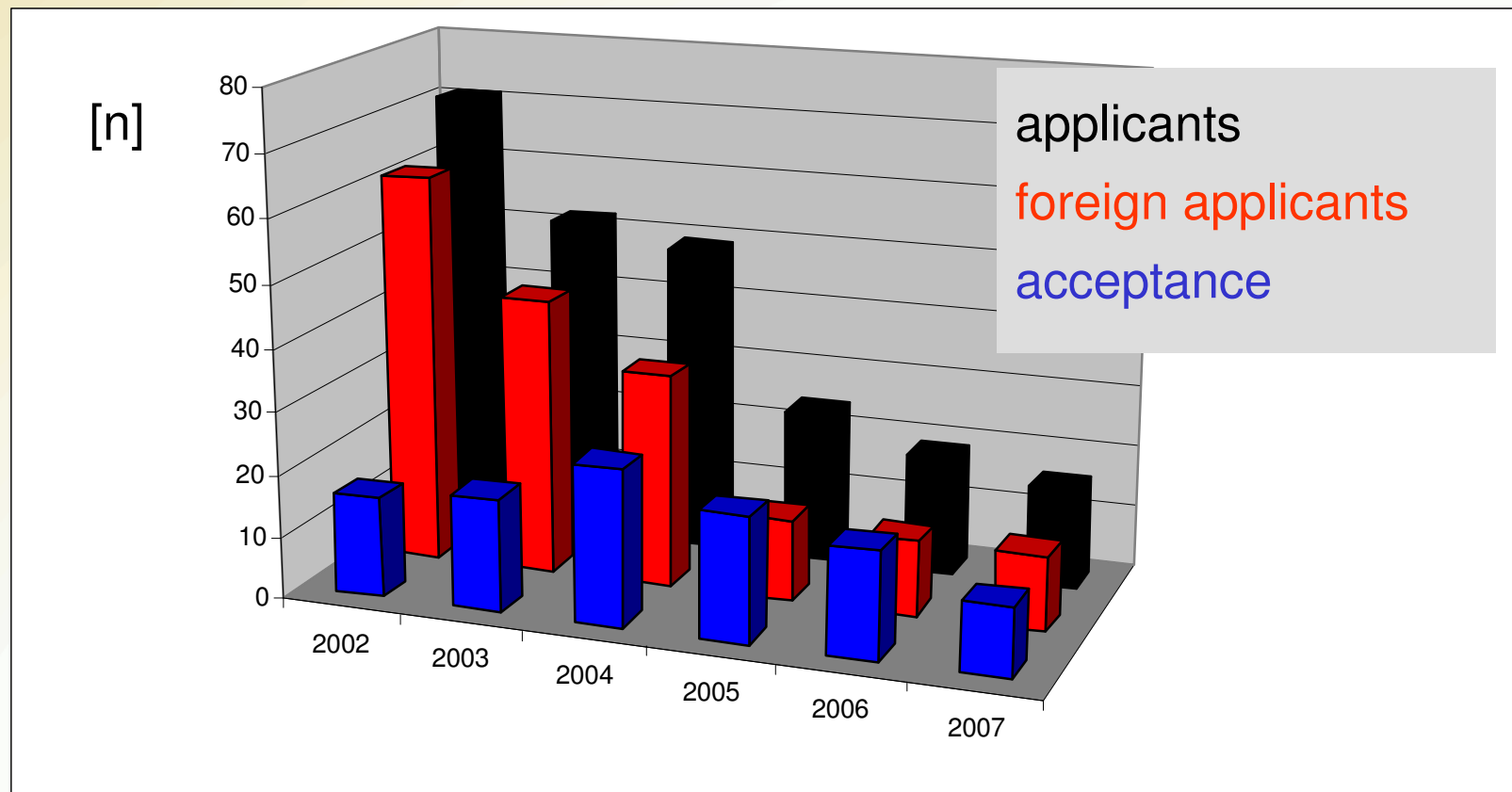


# Experiences



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## Master Students (FIT)

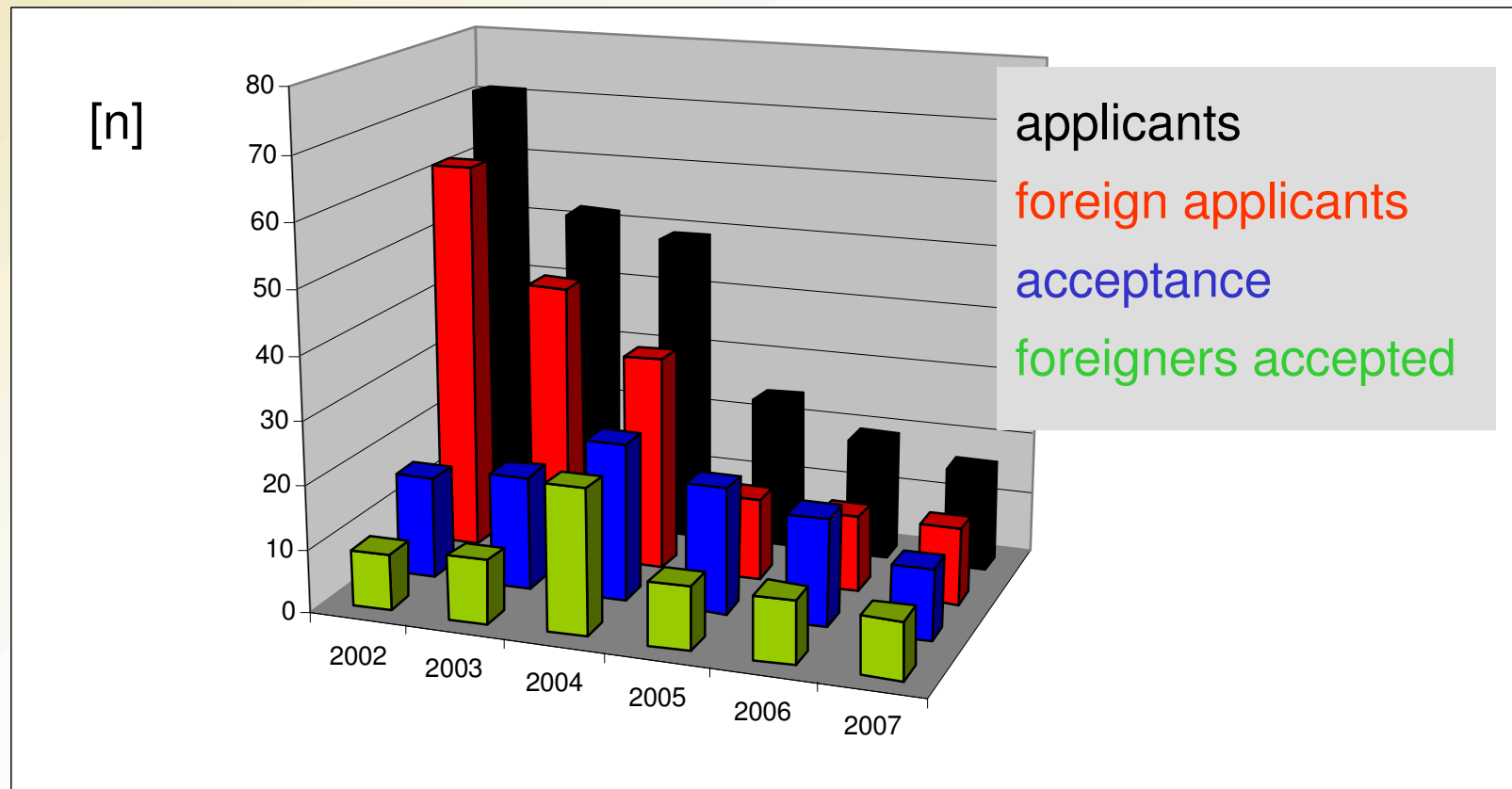


# Experiences



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## Master Students (FIT)

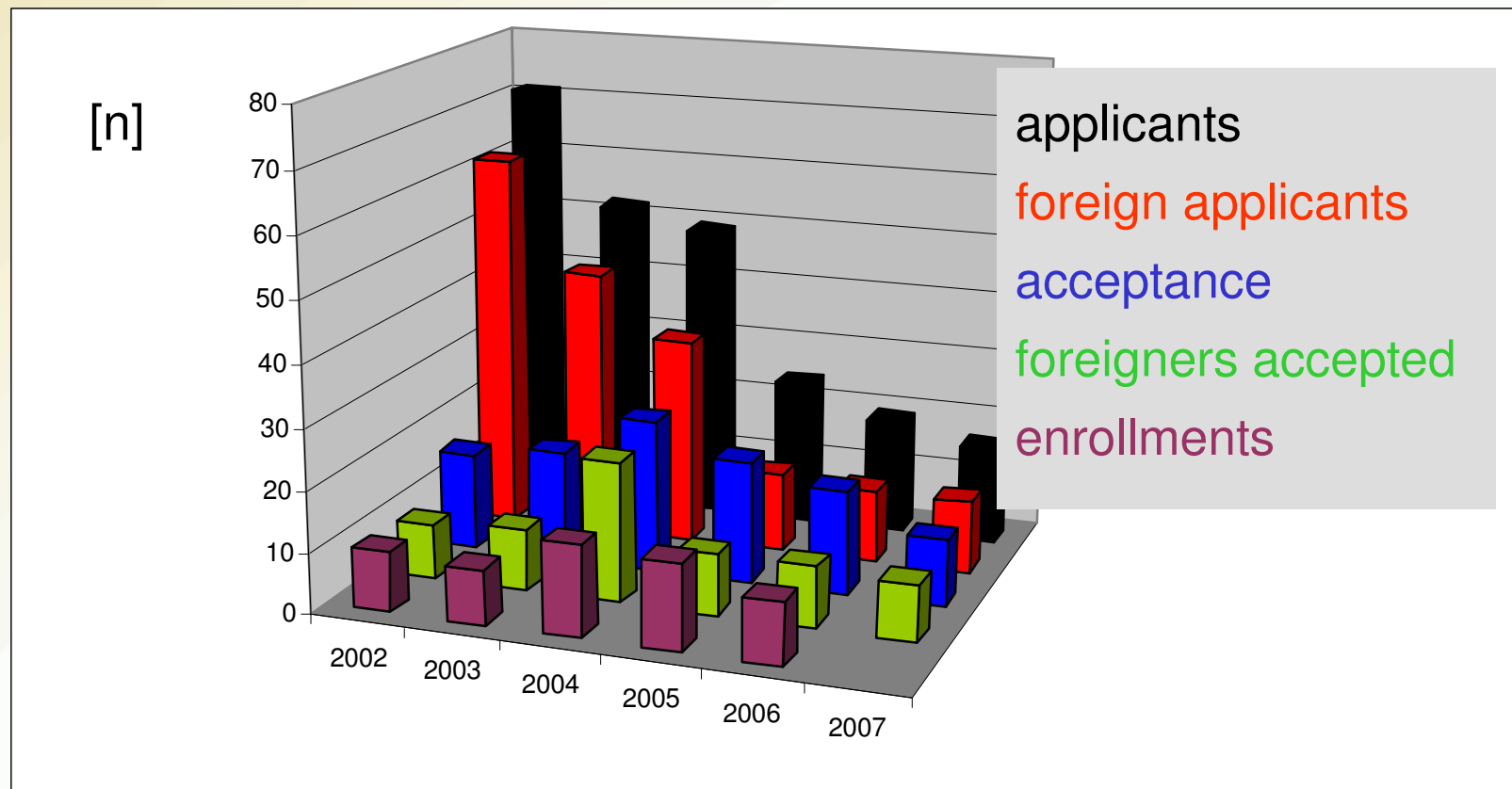


# Experiences



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## Master Students (FIT)

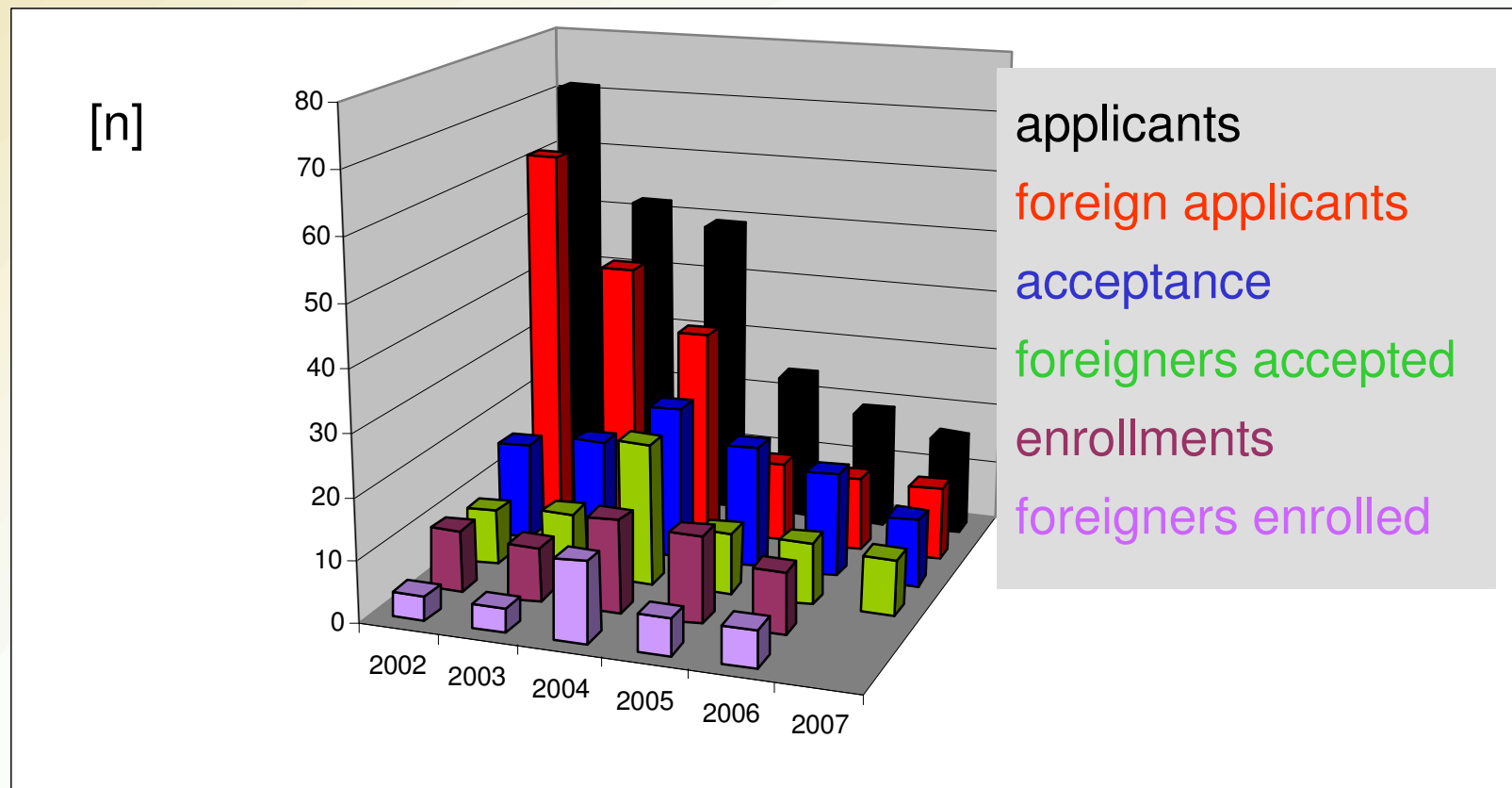


# Experiences



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## Master Students (FIT)



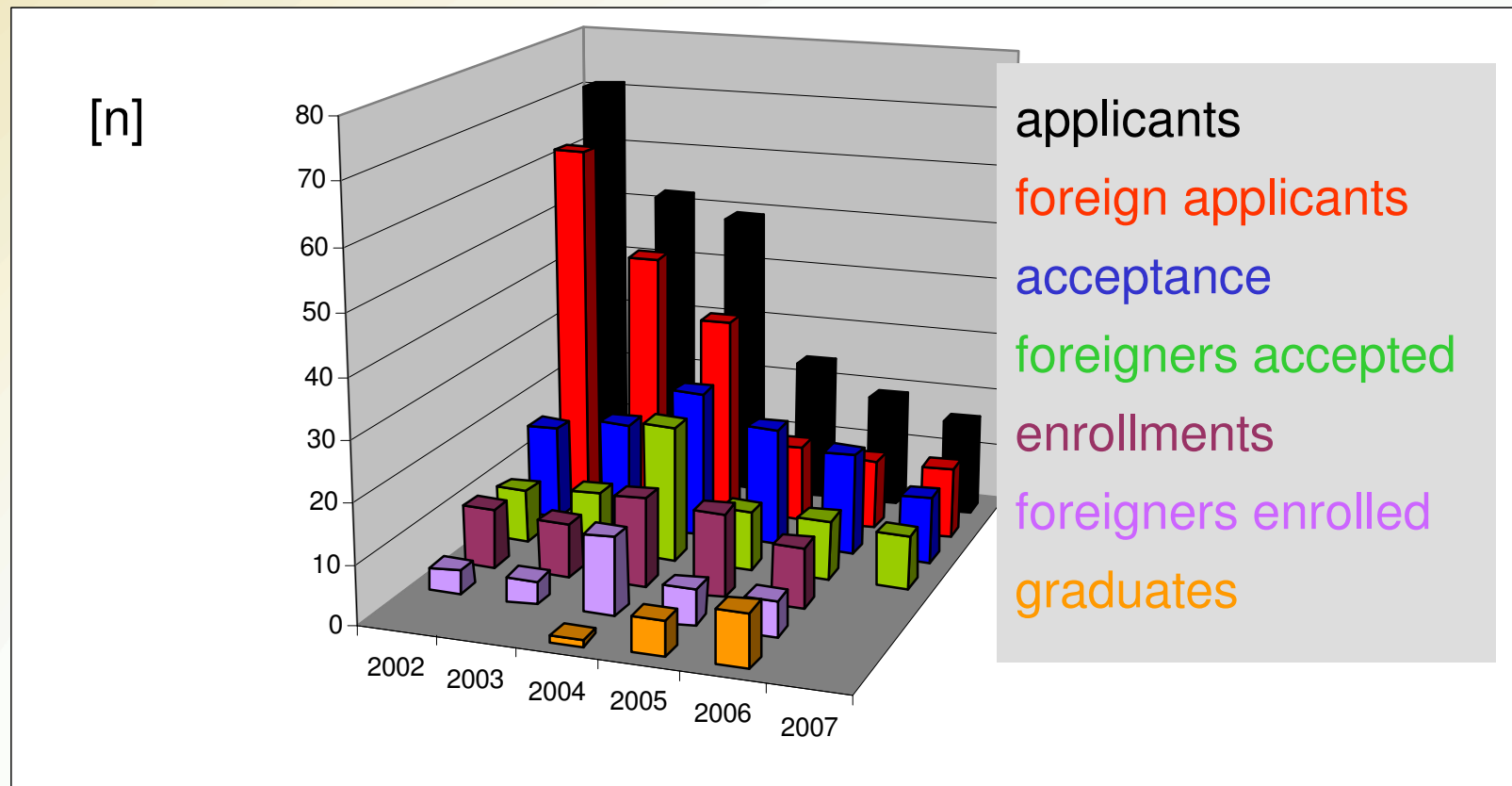


# Experiences



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## Master Students (FIT)

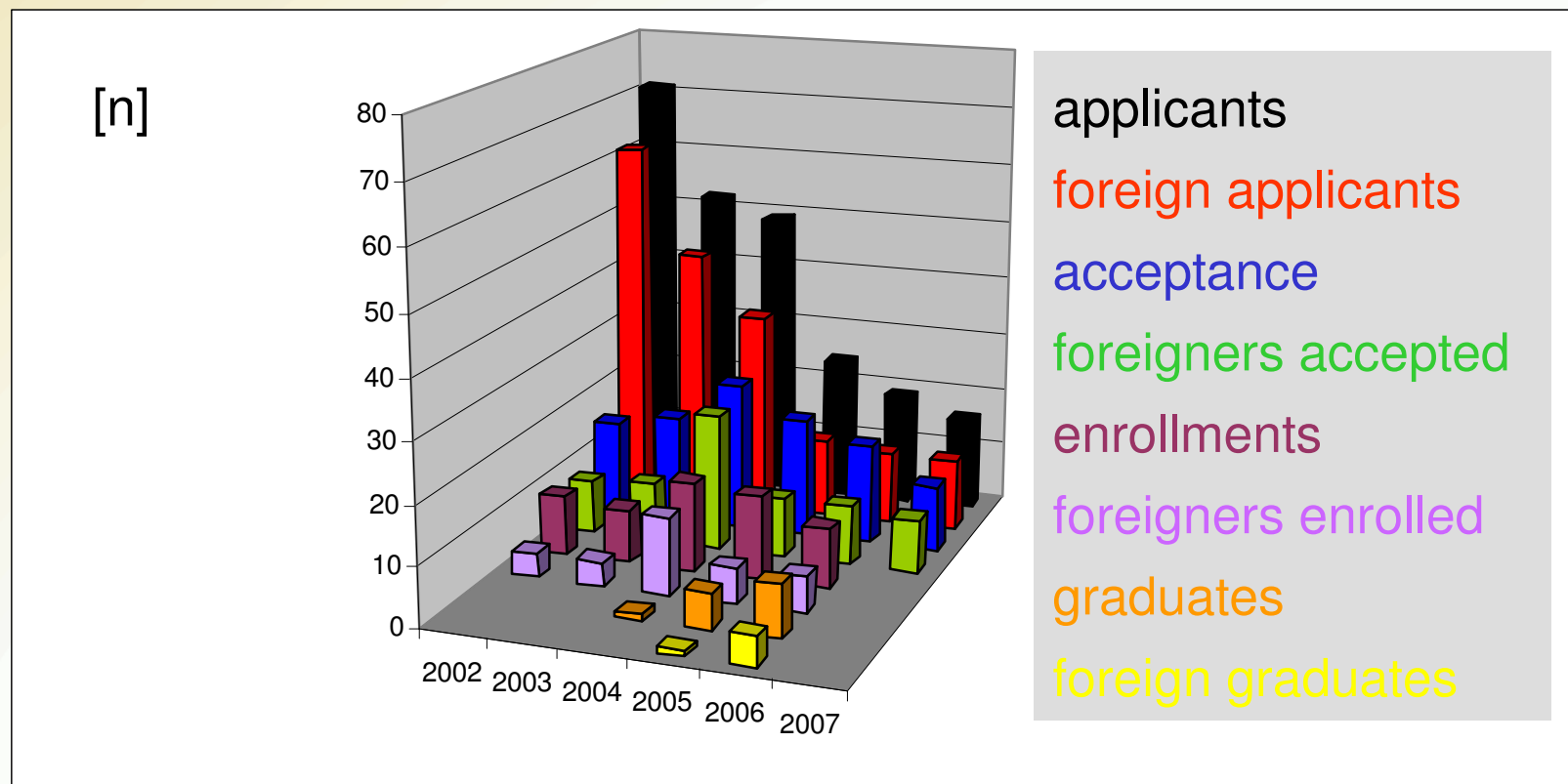


# Experiences



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## Master Students (FIT)



# Experiences



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## Master Students (*GCM*)

	2006	2007*
applicants	22	25
foreign applicants	3	4
acceptance	17	11
foreigners accepted	0	0
<u>enrollments</u>	<u>14</u>	

\*preliminary (24.08.2007)



# Experiences/Conclusions



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In spite of the supposed attractiveness (innovative programs, good studying conditions, good career opportunities) the number of (international) master students is only partly satisfying

Requirements: **to attract** + **to keep** students

Unsolved problems:

- increasing competition amongst (/within) universities
- reputation of Germany/East Germany/Eberswalde
- German language skills: studying - social integration
- financial situation of foreign students





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thank  
you  
for  
attention