

# **Land Surveying Education in Sweden**

## **A market challenge**

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# Aménageur-lotisseur suédois?



- Geomatics
- Building and infrastructure engineering
- Cadastral development
- Land management and policies
- Physical planning
- Real estate economics & management
- Real estate law



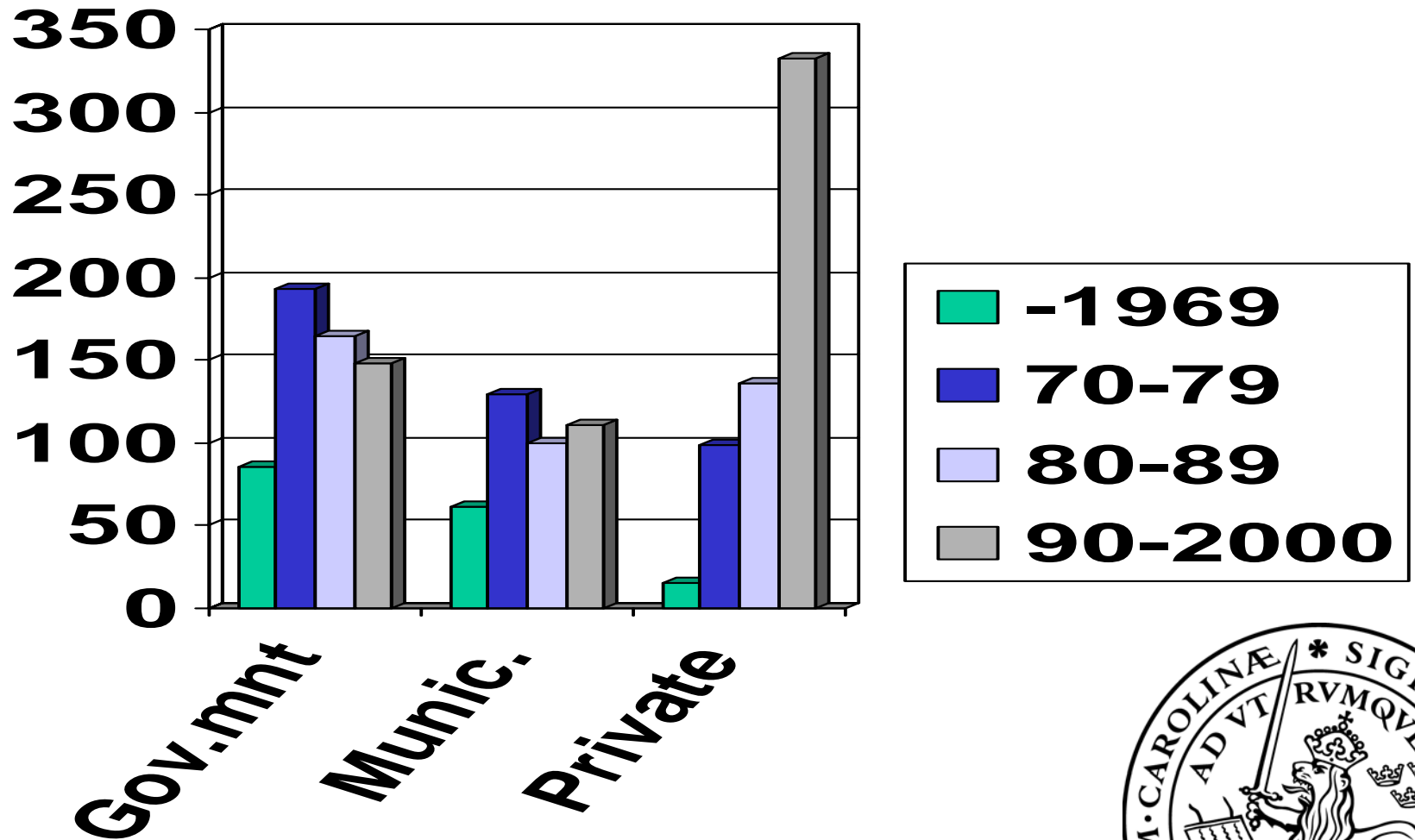
# Land Surveying & Management



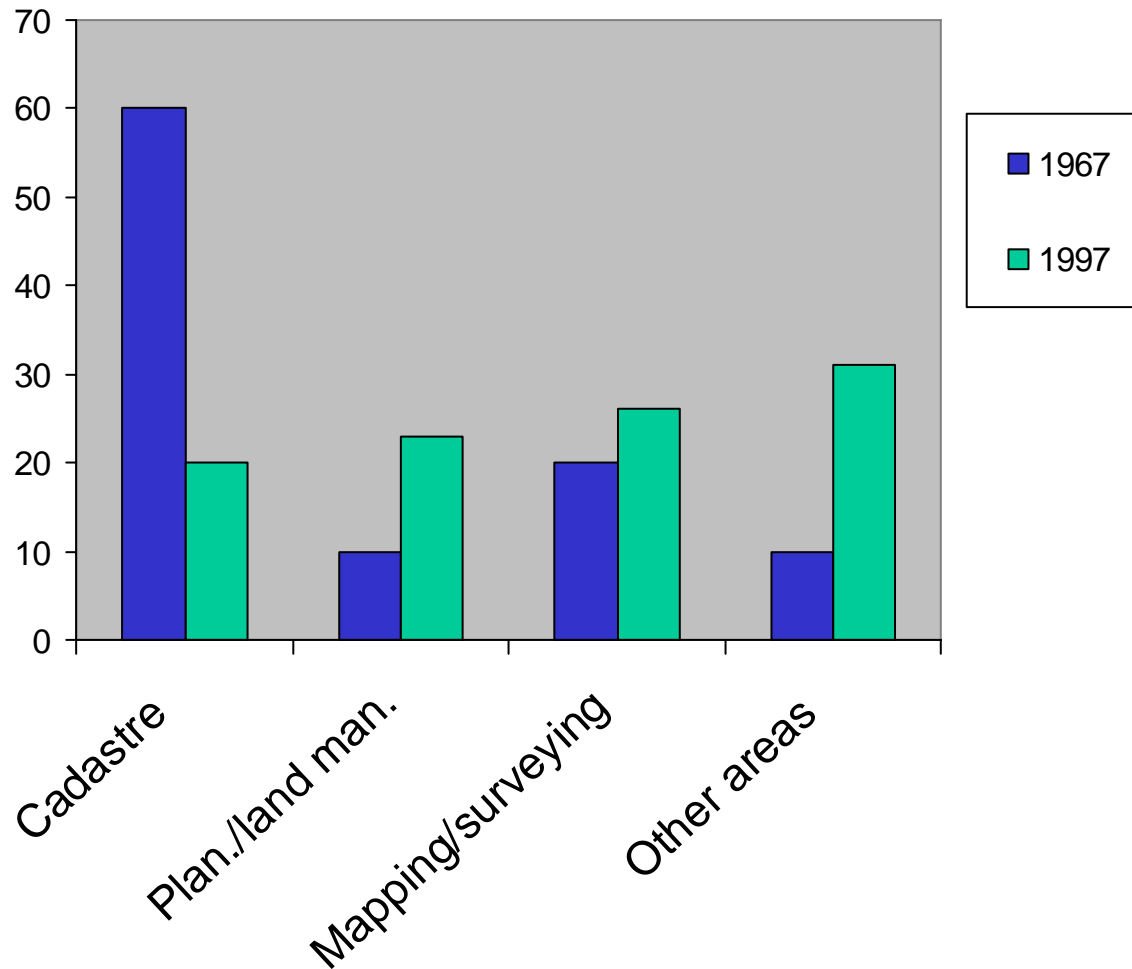
**Engineering + Economics + Law**



# Labour market by year of exams



# (DK) Surveyors' time spent on...



# Land surveying markets



1632- Land Surveying authorities

1950- Agricultural boards

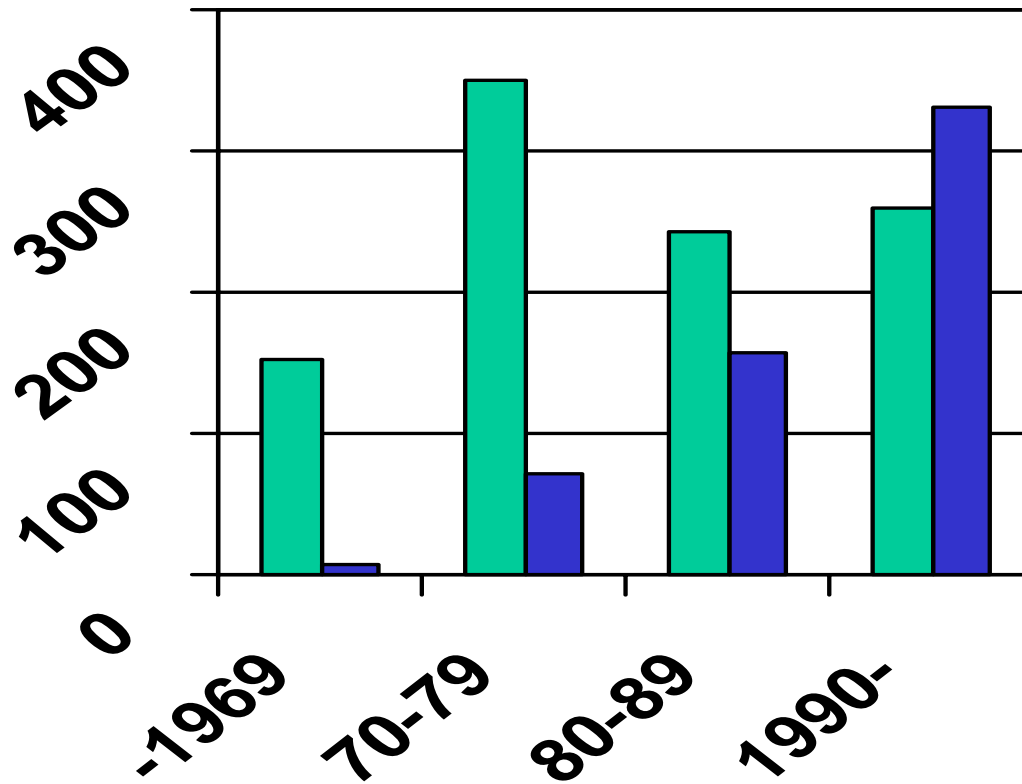
1960- Municipalities

1970- Public + private companies in:  
infrastructure, real estate valuation, planning,  
land development, international consultancies

1980- Real estate analysis, real estate agencies



# Male/females by exam year



# Land surveying universities

<b>Stock- holm</b>	<b>Lund</b>	<b>Troll- hättan</b>	<b>Gävle</b>	<b>Luleå</b>
<b>Civ.Eng &amp; Urb. Dev.</b>	<b>Land Surv. Managemnt</b>	<b>Land Surv. Managemnt</b>	<b>Geomatics</b>	<b>Civ.Eng. Arch Eng.</b>
<b>MSc</b>	<b>MSc</b>	<b>BSc</b>	<b>BSc + MSc</b>	<b>MSc</b>
<b>30-35 (enrolment)</b>	<b>60</b>	<b>45</b>	<b>40</b>	<b>20</b>
<b>MSc</b>	<b>MSc</b>	<b>BSc</b>	<b>BSc + MSc</b>	<b>MSc</b>
<b>1932 (Start)</b>	<b>1992</b>	<b>1996</b>	<b>1995</b>	<b>2007</b>





# Sweden in a nutshell



- 9 million inhabitants
- 449,000 km<sup>2</sup> + 39,000 km<sup>2</sup> water area
- 3.2 mio properties (+ 20,000 yearly)
  - 5 mio shares in joint properties
  - 1.3 mio shares in joint facilities
- 14 Billion Euros in mortgages – 60 % of property value



# Youngster + labour market



- deregulation in 1993
- 20 universities + 41 other univ. colleges
- Enrolment of 60,000 students
- 1,800 university programmes
- 6,200 MSc + 3,200 BSc engineering students
- Europe next market?
  - Swedish MSc students in Lyon+...
  - Lyon programme in Lund
  - Labour market without borders



# Lund in the Øresund region



- **SW Sweden + Copenhagen economic area**
- **Double degree Lund (SE) + Aalborg University (DK)**
- **BSc (SE) + MSc (DK) or opposite**
- **SE + DK formal competence in MSc cadastral work and land development**



# Géomètre-Aménageur/Lotisseur Suédois



**Engineering + Economics + Law  
in world-wide integration**

