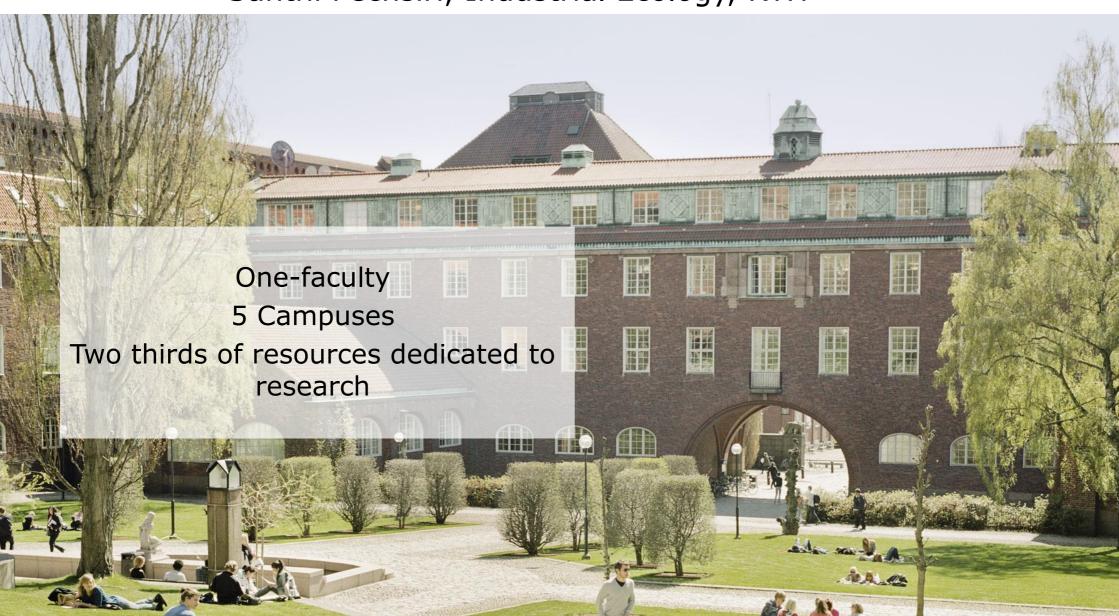


KTH Royal Institute of Technology

Maria Malmström, Fredrik Gröndahl, Joseph Santhi Pechsiri, Industrial Ecology, KTH





Welcome to KTH

KTH was founded in 1827

and has remained the largest of Sweden's

universities

technical







People @ KTH 2011

Faculty (out of a total of 4,615 employees):

- 295 professors (~30 women)
- 228 lecturers (31 % women)

Students:

- 13,363 full time students
- 1,732 PhD students

Graduations:

- 928 Engineers and architects
- 250 3-year engineering programs
- 879 MSc (2-year programs)
- 235 PhD
- 150 Lic





New department for Sustainable development, environmental science and engineering from July 2013

Sustainable development, Environmental science and Engineering

In line with its ambition to become a leading technical university in the field of environmental sciences and sustainable development, KTH is launching a new department July 1 aimed at more closely integrating research and education in this important interdisciplinary field. The Department is to build on the activities of three established KTH units: the Department of Land and Water Resources Engineering, the Division of Environmental Strategies Research (FMS), and the Division of Industrial Ecology



Industrial Ecology ► Industriell ekologi





Industrial Ecology at KTH 2013

Education and Pedagogy in SD

Environmental Management

Urban Metabolism

Systems

Analysis

Environmental Modelling

Environmental Technology

Marine/Blue Resources

~10 faculty

~5 staff

~ 20 PhD students

Metabolic approach
Stakeholder interaction











Masters Programme Sustainable Technology

20-25 students per batch

 Based on the concept of Industrial Ecology with focus on the understanding of interactions between technical, economic, social and ecological systems and processes.

(2 years)

- Training in critical thinking and system analysis
- Problem based studies cooperation with companies in projects and thesis work



Contents:

- Strategies for a sustainable development
- Impacts on the Ecosystem
- The role of technology for environment and sustainable development
- Tools and methodology for working with environment and SD in companies and authorities (environmental management, system analysis)
- Environmental technology strategies and technical solutions

