Euro-CASE Annual Meeting 2009

Increasing Interest for Higher Education in Mathematics, Science and Technology

INTRODUCTION

November 5, 2009

Professor Bjorn O. Nilsson
President of the Academy

IVA

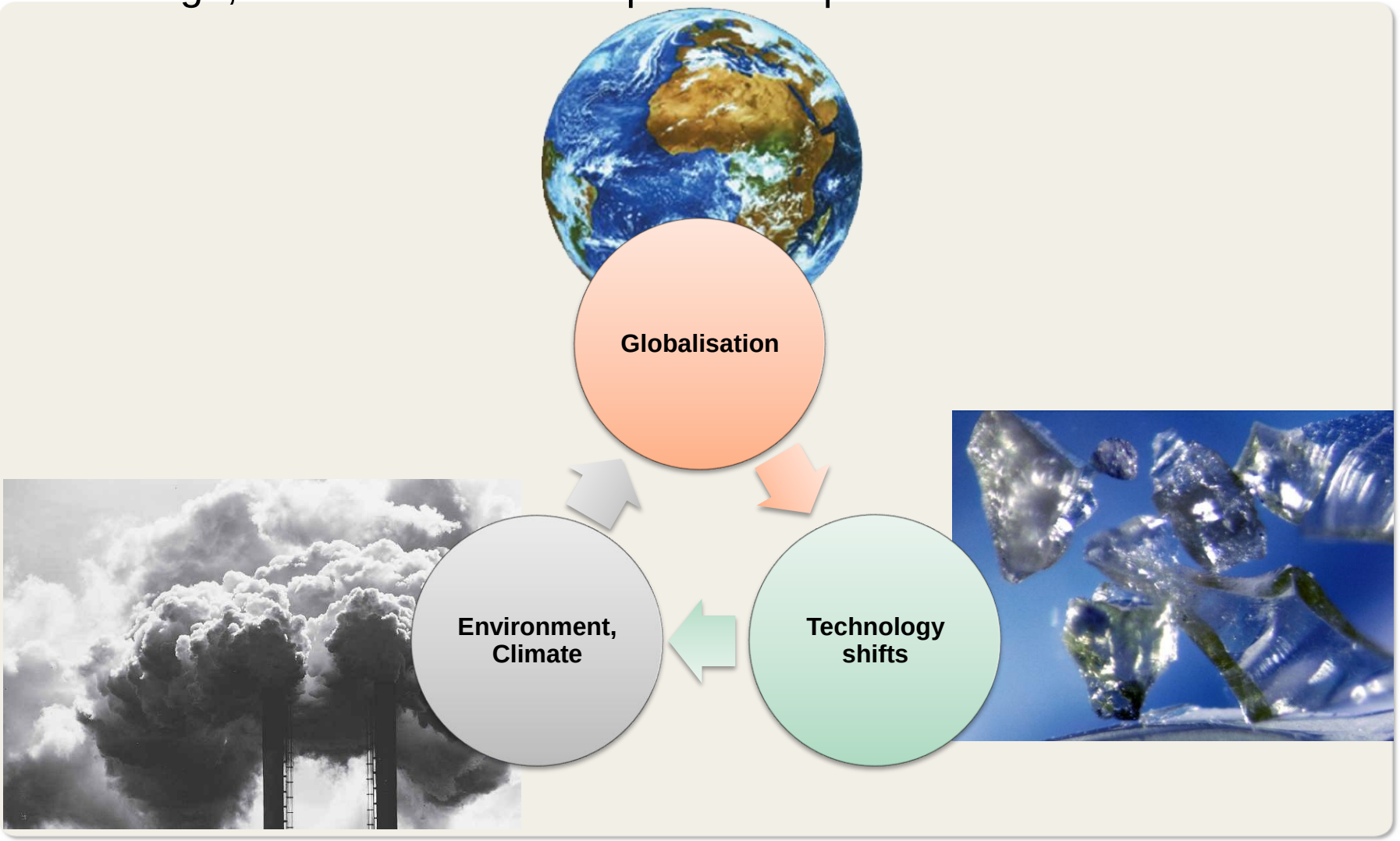
“To promote the engineering and economic sciences and the advancement of business and industry for the benefit of society”

IVA statutes, §1

Founded in 1919

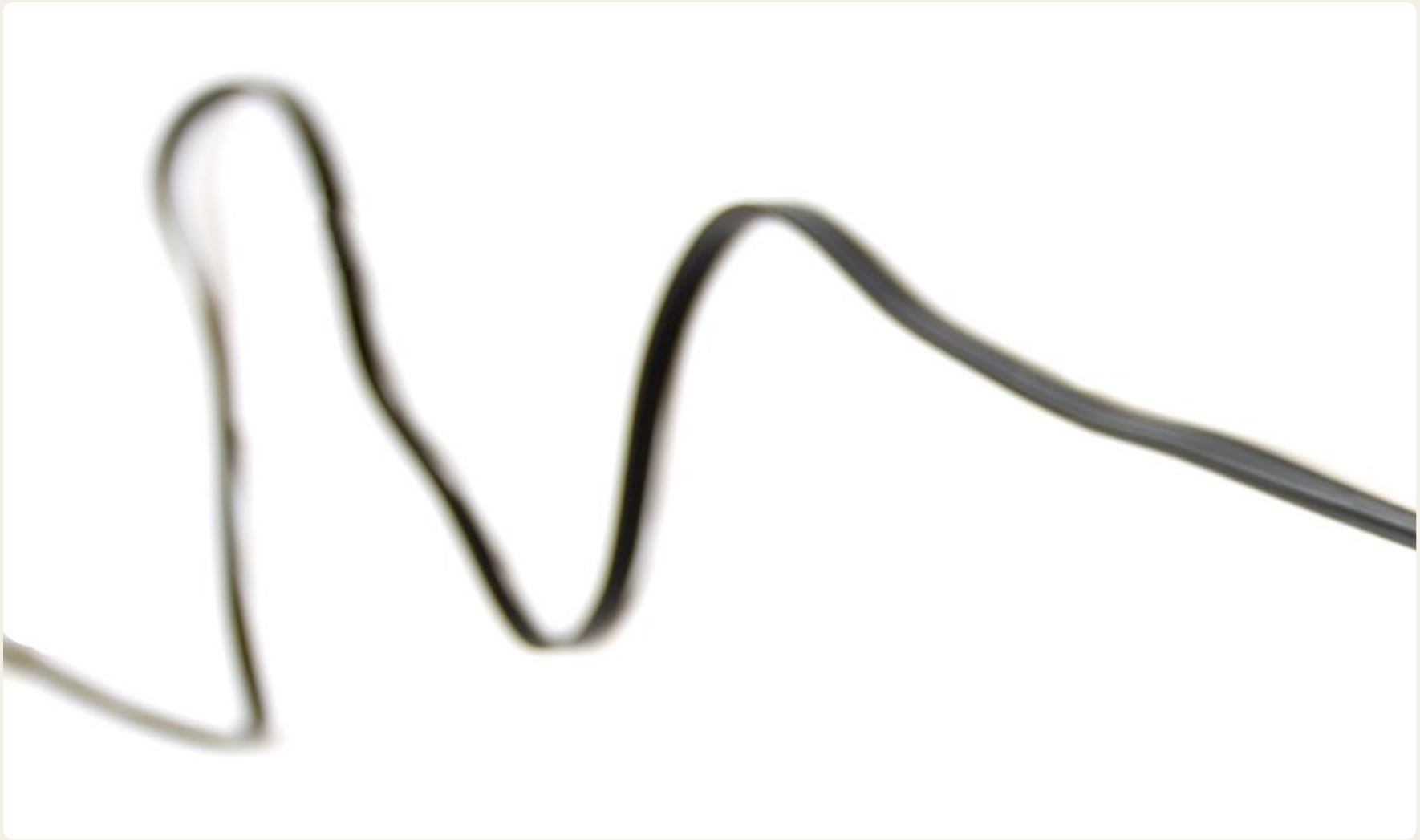
Importance of MST educations

Knowledge, innovation and entrepreneurship



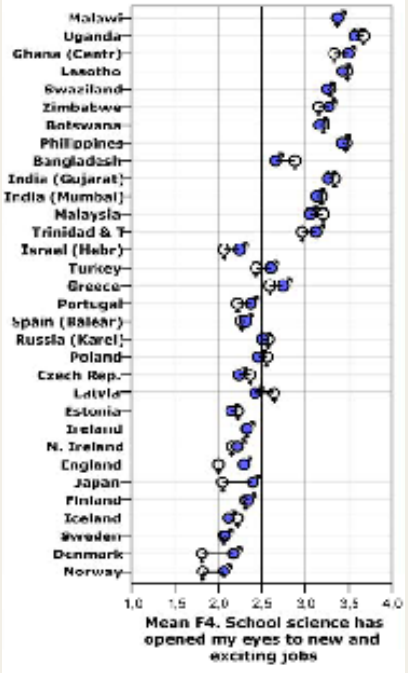
Engineers identify the problem…

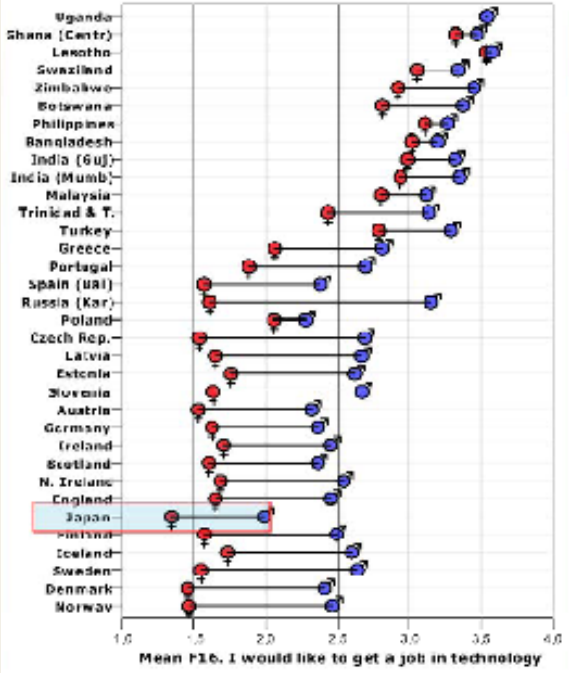
…solve the problem.....



… or find a way around the problem.

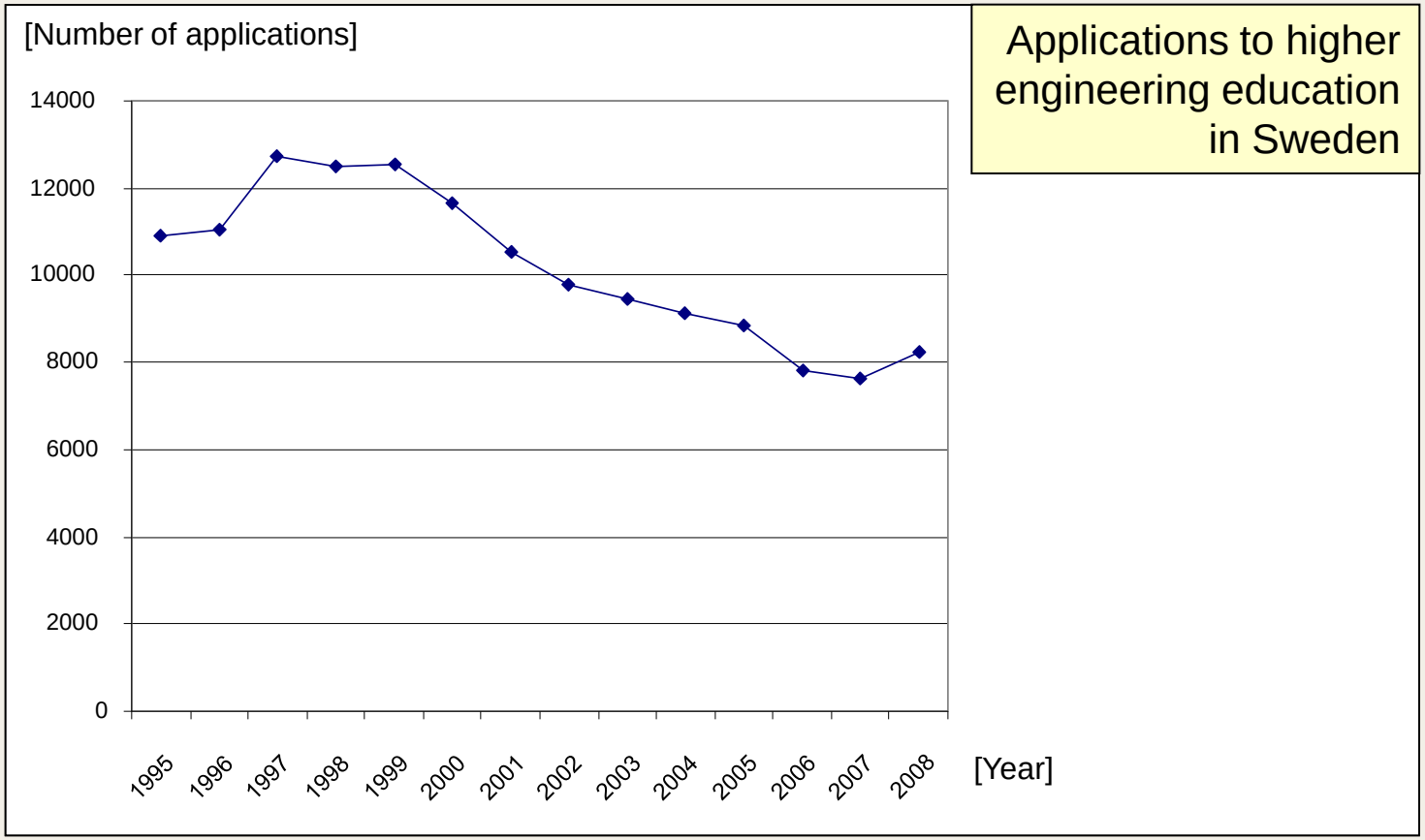
ROSE (The Relevance of Science Education)





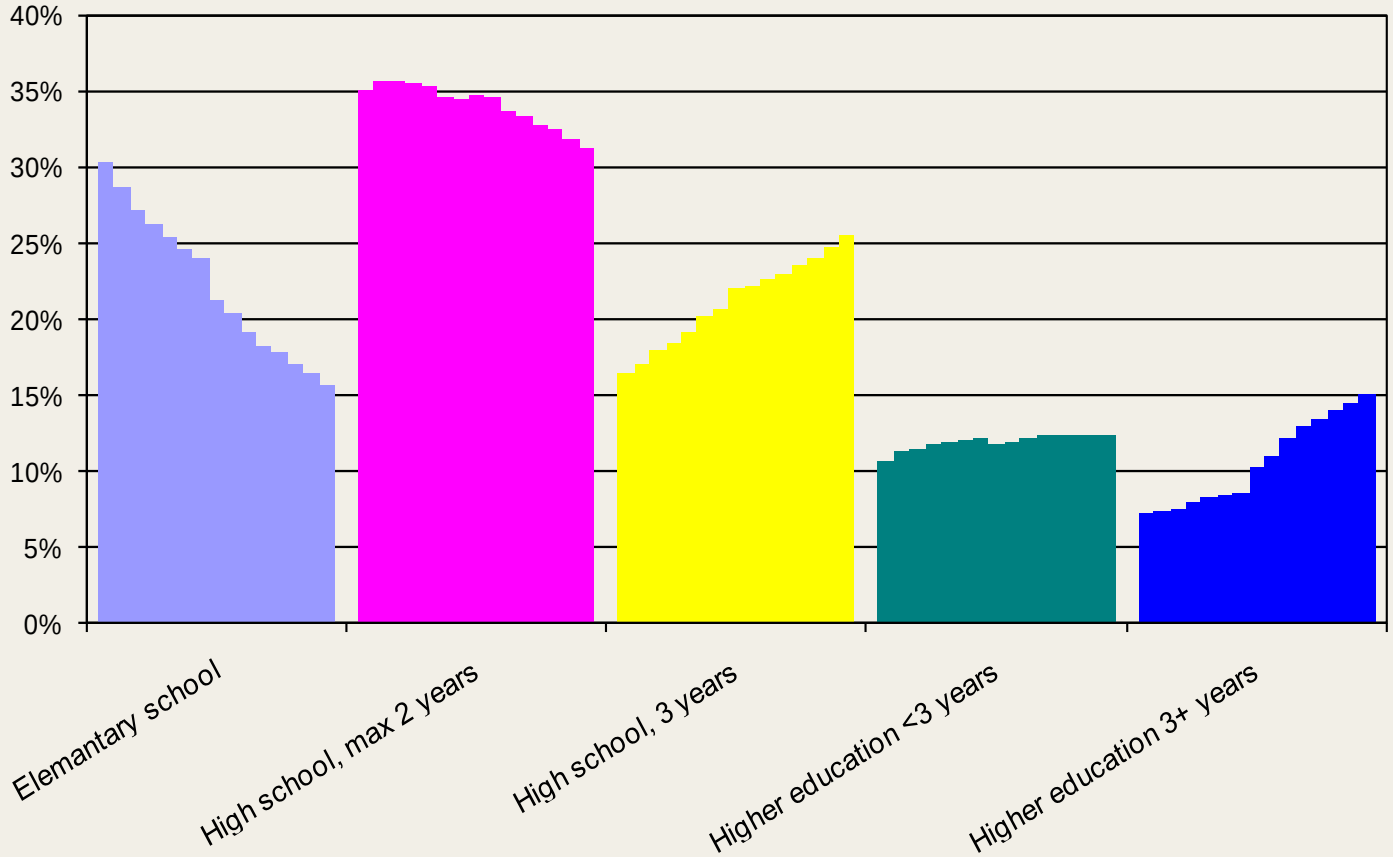
Source:
Anders Jidesjö, Linköping University
Magnus Oscarsson, Mid Sweden University
ROSE – Sweden http://www.ils.uio.no/english/rose/

Negative trend for engineering studies in Sweden



Source: The Swedish Technology Delegation

Education level in Swedish technology companies 1993-2007



Source: Association of Swedish Engineering Industries

Is this the stereotype of an MST student...?

Companies as role models

”...access to clean water everywhere in the world by 2025...”

International collaborations

Programme – Part one

09:30	**Welcome** Professor Lena Treschow Torell, Chair of Euro-CASE
	Opening speech Professor Björn O. Nilsson, President, Royal Swedish Academy of Engineering Sciences
	Science and technology – pillars of the knowledge society Dr Tobias Krantz, Minister for Higher Education and Research, Sweden
	A European perspective on higher education for competitiveness and growth Dr Odile Quintin, Director General for Education, Training, Culture and Youth, European Commission
10:35	**Coffee**
11:05	**Increasing interest in science and technology education in an international perspective** Dr Dirk van Damme, Head of CERI Centre for Educational Research and Innovation, OECD
11:25	**European Round Table of Industrialists (ERT) and Swedish Technology Delegation** Professor Jan-Eric Sundgren, Senior Vice President, AB Volvo
	Mentometer opinion polls (part I)
12:30 – 13:30	**Lunch**

Programme – Part two

13:30	**Initiative 1: STEM: Science, Mathematics, Engineering, Technology, UK** Matthew Harrison, Director, Education Programmes, Royal Academy of Engineering
	Initiative 2: Platform Bèta Techniek, Netherlands Hans Corstjens, Director
	Initiative 3: Wissensfabrik, Germany Eva Müller, Managing Director
	Initiative 4: Swiss Academy of Engineering Sciences, Switzerland Rolf Hügli, Managing Director
	Initiative 5: Academie des Technologies, France Jacques Levy, Directeur Honoraire, Ecole des Mines de Paris
	Initiative 6: Science and Technology for All (NTA), Sweden Gerd Bergman, Development Manager
15:30	**Coffee**
16:00	**Panel discussion and mentometer opinion polls (part II)**
17:15	**Closing address** Professor Lena Treschow Torell, Chair of Euro-CASE
17:30	**Reception**
18:00	**Dinner**