Global Competitiveness Report 2004-05: Sweden's Business Competitiveness

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GCR Launch - Sweden
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This presentation draws on ideas from Professor Porter's books and articles, in particular, "Building the Microeconomic Foundations of Prosperity," in *The Global Competitiveness Report 2004-05* (World Economic Forum, 2004); "Clusters and the New Competitive Agenda for Companies and Governments," in *On Competition* (Harvard Business School Press, 1998); *Clusters of Innovation Initiative* (www.compete.org), a joint effort of the Council on Competitiveness, Monitor Group, and ongoing research. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means—electronic, mechanical, photocopying, recording, or otherwise—without the permission of the author

Additional information may be found at the website of the Institute for Strategy and Competitiveness, www.isc.hbs.edu

Global Competitiveness Report

- Annual publication of the World Economic Forum since 1979; in recent years academic guidance from
 - Professor Michael E. Porter, Harvard Business School
 - Professor Jeffrey Sachs (until 2002)/Professor Xavier Sala-i-Martin (since 2003), Columbia University
- Covers 104 economies; based on statistical data and global Executive
 Opinion Survey of 8,729 respondents (84 per country)

Content

- Core chapters present the Growth Competitiveness Index and the Business Competitiveness Index
- Nine other chapters by leading researchers on key competitiveness issues
- Extensive data sheets on all economies covered

Ranking Competitiveness

Business Competitiveness

The set of institutions, market structures, and economic policies supportive of high current levels of prosperity

Michael E. Porter

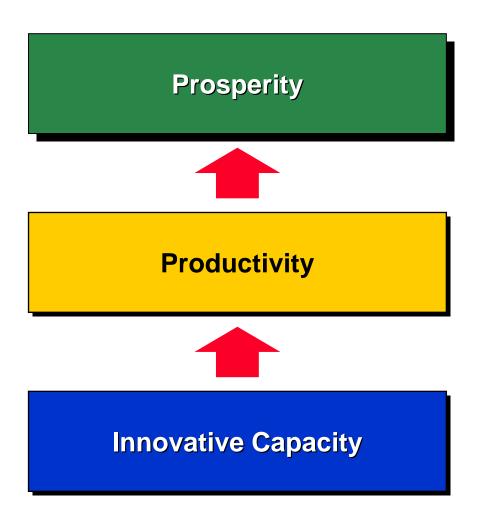
Growth Competitiveness

The set of institutions and economic policies supportive of high rates of economic growth in the medium term (coming five years)

Xavier Sala-i-Martin

Focus of this presentation

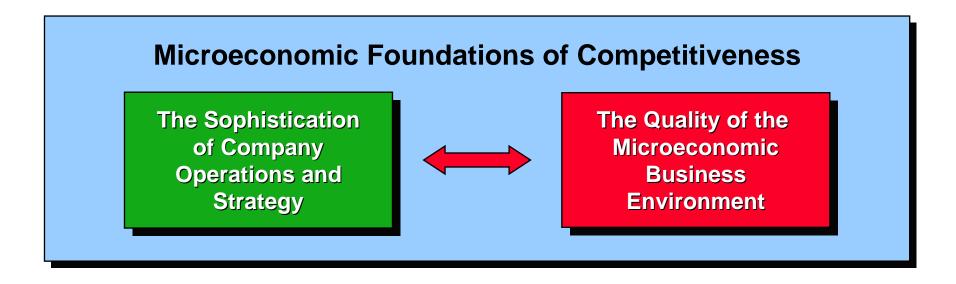
Competitiveness and Prosperity



- The Business Competitiveness Index measures the level of prosperity (GDP per capita) that an economy can sustain
- Sustainable prosperity is set by the underlying competitiveness of the economy, which is determined by the level of productivity and – over time – innovation achievable by companies
- Countries can overperform or underperform true competitiveness for substantial periods of time

Determinants of Productivity and Productivity Growth

Macroeconomic, Political, Legal, and Social Context for Competitiveness



- Nations or regions compete in offering the most productive environment for business
- A sound macroeconomic, political, legal, and social context creates the potential for competitiveness, but is not sufficient

The Business Competitiveness Index, 2004 <u>Measured Elements</u>

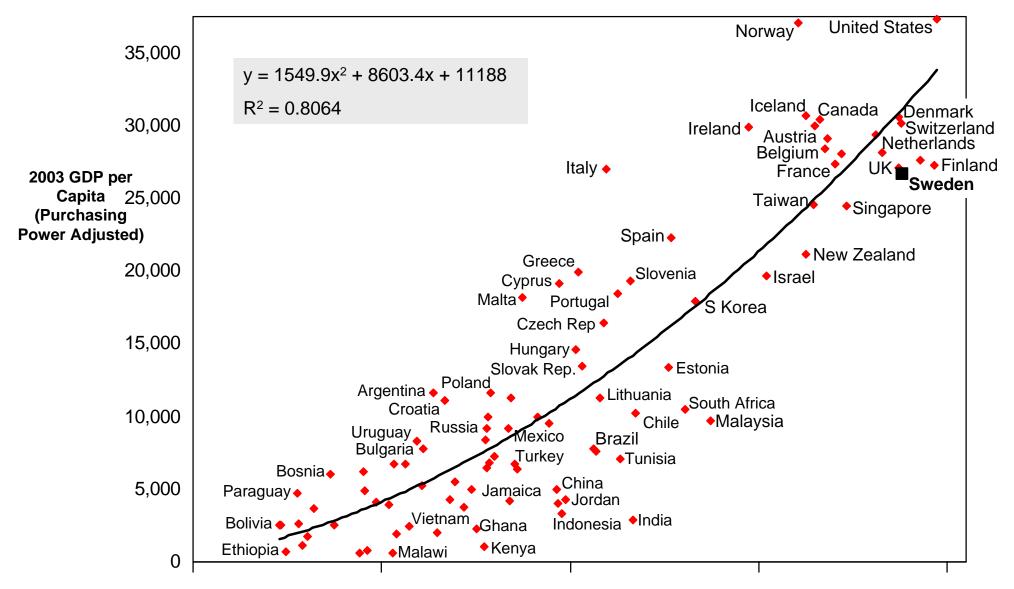
Company Operations and Strategy

- Nature of Firm's Competitive Advantages
- Extent of Innovation
- Sophistication of Production
- Sophistication of Marketing
- Sophistication of Organizational Structures and Incentives
- Extent of Internationalization

National Business Environment

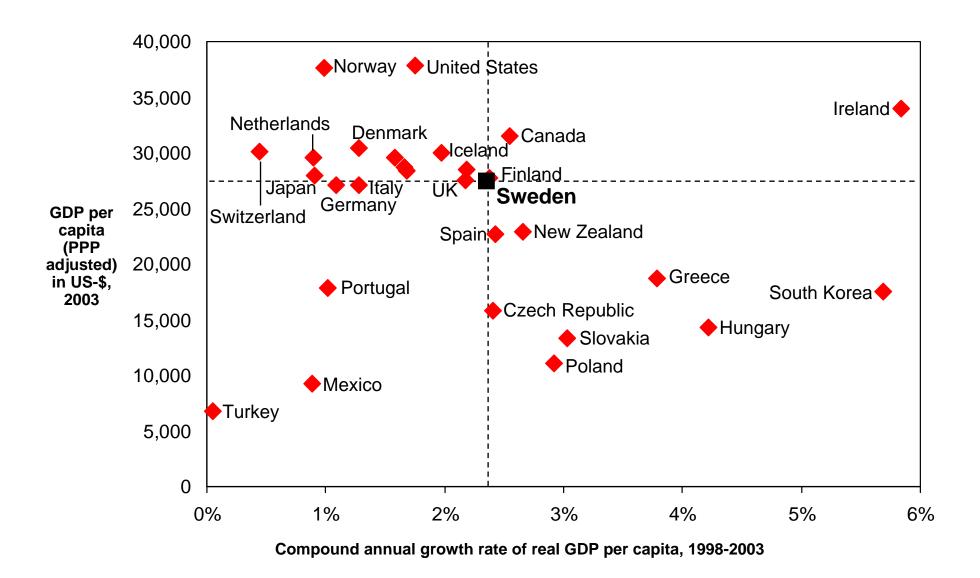
- Factor Conditions
 - Physical Infrastructure
 - Administrative Infrastructure
 - Human Resources
 - Technology Infrastructure
 - Capital Markets
- Context for Firm Strategy and Rivalry
 - Incentives
 - Policies affecting competition
- Demand Conditions
- Related and Supporting Industries

Business Competitiveness Index 2004 Relationship with GDP Per Capita



Business Competitiveness Index

Prosperity



Source: EIU (2004)

Sweden's Economic Performance

Swedish prosperity continues to be high but lags leading OECD peers



Key drivers of Swedish prosperity

- Key strength is Sweden's high labor productivity, among the best in the world although the gap to the United States has widened in recent years
- Labor input is also high Sweden reports a high share of employees in the population that is still compensating for low and falling work hours
- Key weakness is the high level of local prices in Sweden, among the highest in the world, that are reducing the benefits Swedes derive from high productivity

Sweden's Economic Performance Other Indicators

Strong

Or not so strong?

- Sweden has a strong position in international patenting
- Patenting is reflecting high R&D spending

 FDI stocks and inflows are substantial



 FDI inflows are at the level predicted given the structure of the Swedish economy

 Sweden's world export market share has stayed roughly stable over the last decade



 Sweden has lost ground on world markets in some key clusters

 Sweden continues to be home to a relatively high number of multinational companies



 Increasing concerns and reports about relocations, not only by large companies

The Microeconomic Foundations of Economic Performance <u>Using the Business Competitiveness Index</u>

- Overall level of sustainable prosperity that can be supported given a country's current competitiveness
- Strengths and weaknesses of a country's business environment relative to its overall level of competitiveness
- Developments in the overall competitiveness and the strengths and weaknesses of individual countries

 Overall patterns in the competitive environment for locations in the world economy

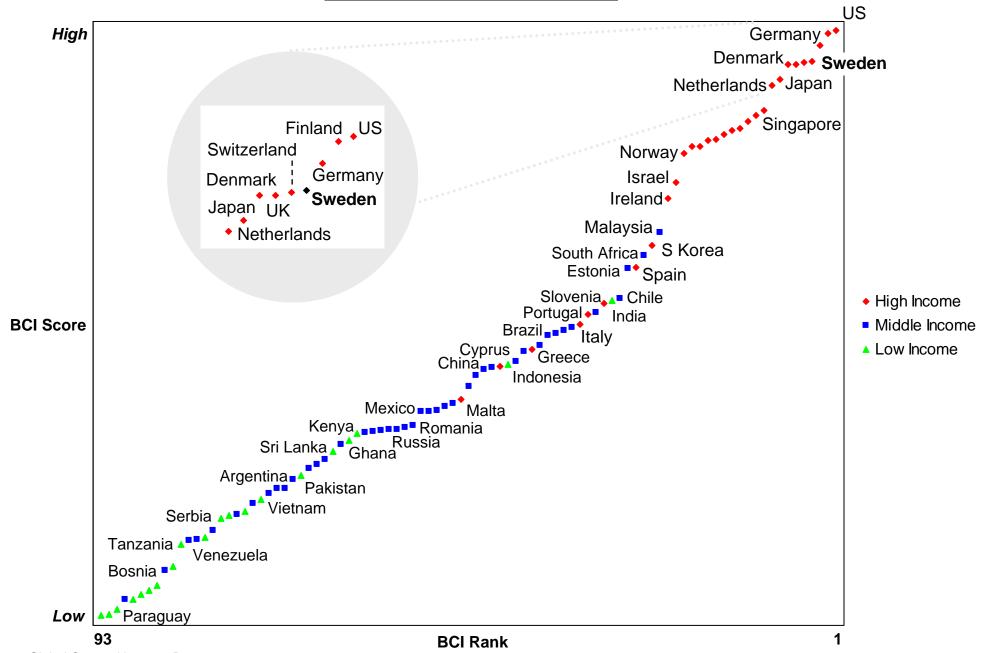
Business Competitiveness Index 2004

Top 25	Country	Change
1	United States	+1
2	Finland	-1
3	Germany	+2
4	Sweden	-1
5	Switzerland	+2
6	United Kingdom	0
7	Denmark	-3
8	Japan	+5
9	Netherlands	0
10	Singapore	-2
11	Hong Kong SAR	+8
12	France	-2
13	Australia	-2
14	Belgium	+1
15	Canada	-3
16	Austria	+1
17	Taiwan	-1
18	New Zealand	0
19	Iceland	-5
20	Norway	+2
21	Israel	-1
22	Ireland	-1
23	Malaysia	+3
24	Korea	-1
25	South Africa	+2

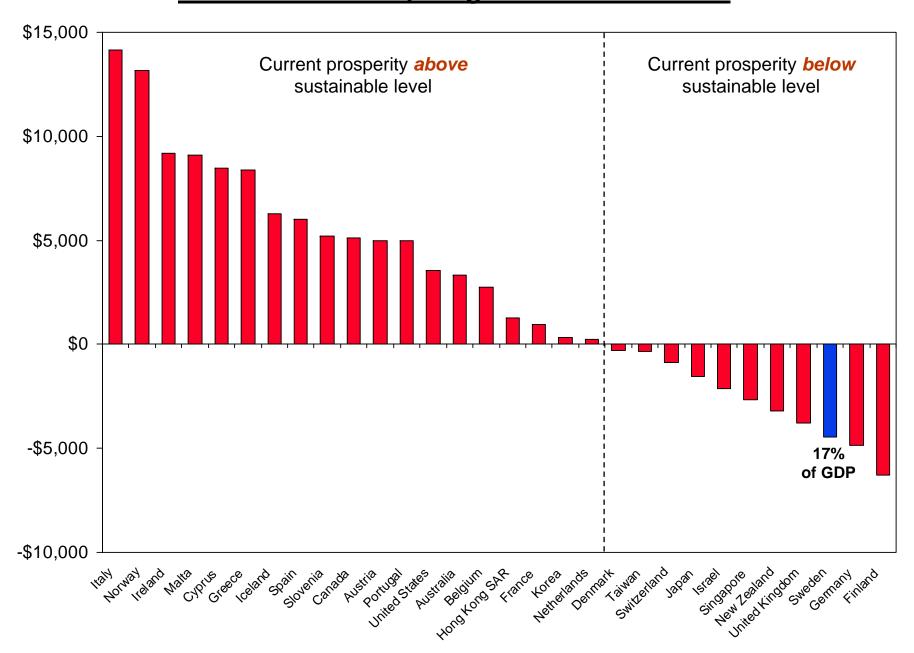
Note: Constant sample of countries
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Business Competitiveness Report 2004 BCI Rank Versus Value



Business Competitiveness Report 2004 The Prediction Gap: High Income Countries



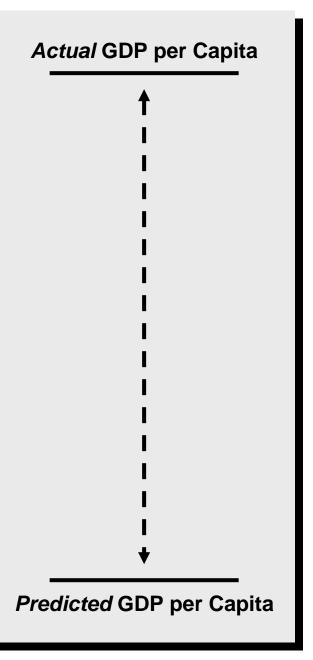
Business Competitiveness Report 2004 Explaining the Prediction Gap

Factors Influencing the Prediction Gap

- Location
 - Prosperity of neighbors
 - Population with access to ocean
- Governance
 - Government Accountability
 - Government Effectiveness
- Natural resources (NR)
 - NR export revenues

Other

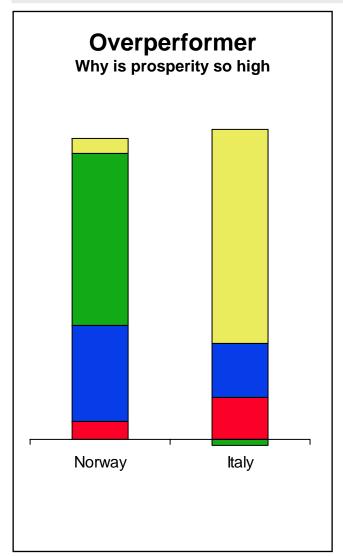
- Transitory impact of macroeconomic or political climate
- Structural factors with no simple relationship to prosperity, e.g. taxation, imbalance of competitiveness profile

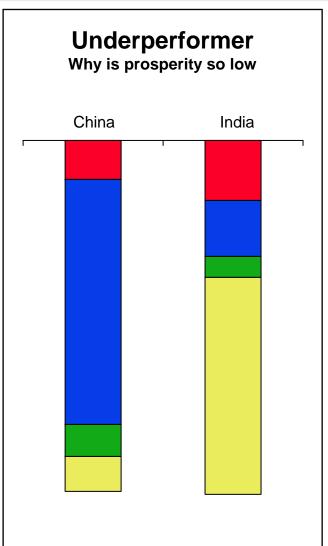


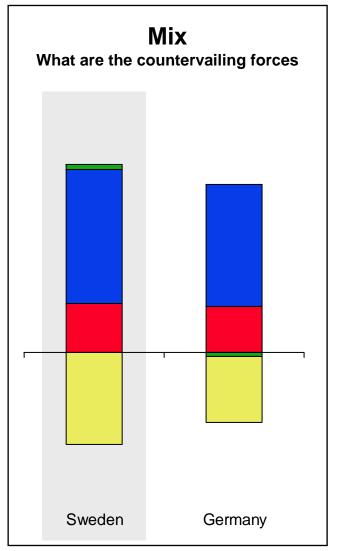
Business Competitiveness Report 2004

Explaining the Prediction Gap: Examples





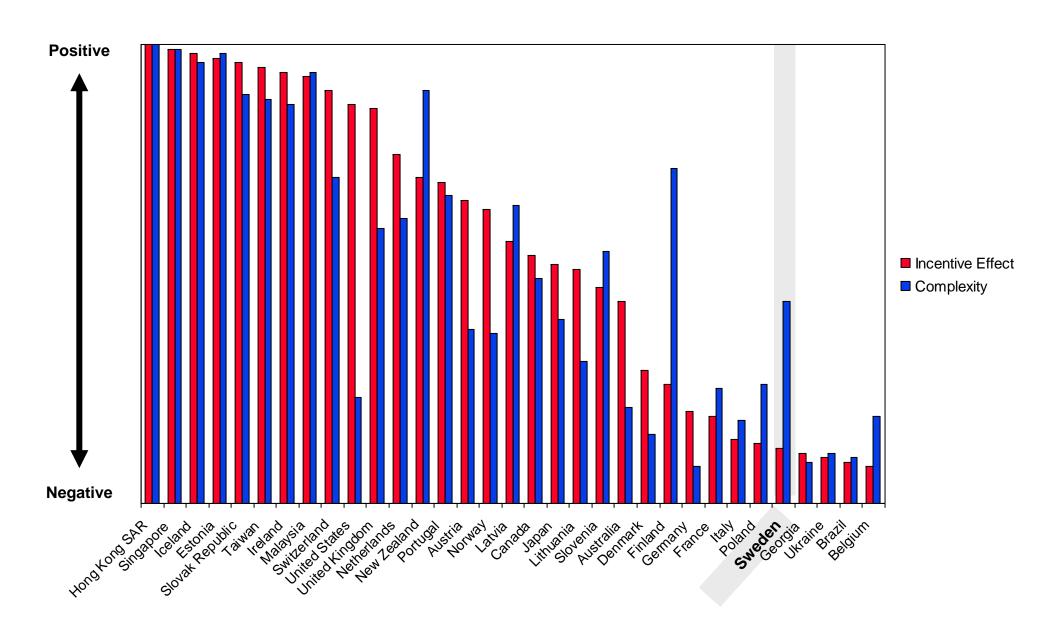




Note: Effect of each factor normalized by the average of all countries

Source: Global Competitiveness Report 2004

Business Competitiveness Report 2004 Explaining the Prediction Gap: Taxation



Global Competitiveness Report 2004 <u>Business Environment and Company Sophistication</u>

The national business environment has advanced beyond company sophistication

Estonia

Tunisia

Norway

Cyprus

Portugal

Australia

Malaysia

Jordan

Botswana

Hungary

New Zealand

Algeria

Hong Kong SAR

Chile

Singapore

Company sophistication is more advanced than the national business environment

Philippines

Japan

Germany

Korea

Italy

Guatemala

Venezuela

Switzerland

Costa Rica

France

Brazil

Poland

Honduras

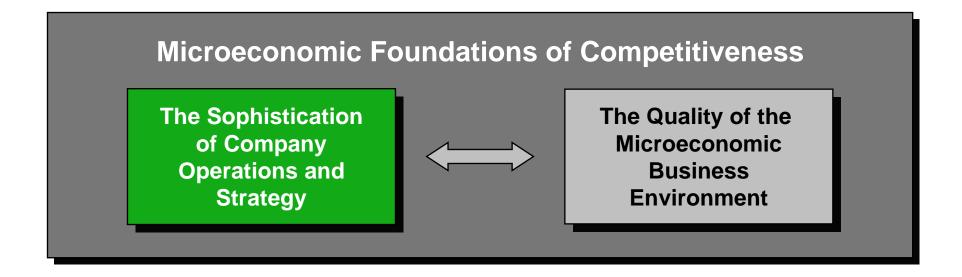
Argentina

Sweden

Note: Sorted by strength of imbalance Source: Global Competitiveness Report 2004

Sweden's Competitiveness Profile Strengths and Weaknesses

Macroeconomic, Political, Legal, and Social Context for Competitiveness



- Relative strengths in areas of innovation, investment, and organizational structures
- Relative weaknesses in marketing and the presence along the value chain

Company Operations and Strategy Sweden's Relative Position 2004

Competitive Advantages Relative to GDP per Capita

Country Ranking, Arrows indicate a change of 5 or more ranks since 1998

Willingness to delegate authority	1
Capacity for innovation	2
Production process sophistication	3
Extent of staff training	3
Company spending on research and development	4
Extent of branding	4

Competitive Disadvantages Relative to GDP per Capita

Country Ranking, Arrows indicate a change of 5 or more ranks since 1998

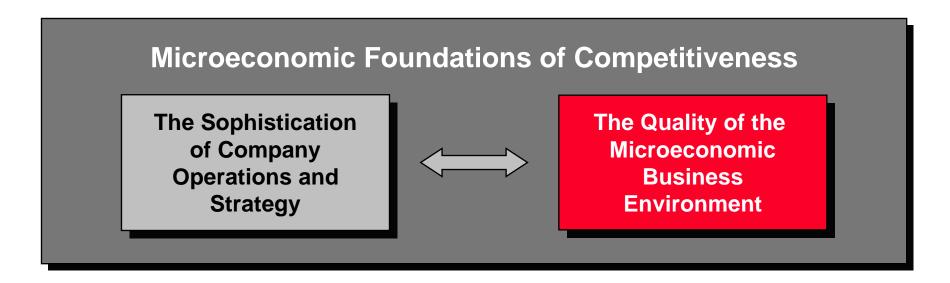
Extent of regional sales	16	
Extent of marketing	12	4
Value chain presence	10	
Extent of incentive compensation	10	
Nature of competitive advantage	9	
Reliance on professional management	9	4
Breadth of international markets	8	
Degree of customer orientation	6	
Control of international distribution	6	4

Note: Rank by countries; overall Sweden ranks 4 (5 on Company Operations and Strategy, 19 on GDP pc 2003)

Source: Global Competitiveness Report 2004

Sweden's Competitiveness Profile Strengths and Weaknesses

Macroeconomic, Political, Legal, and Social Context for Competitiveness



- Relative strengths in technology and innovation, level playing field for competition, administrative infrastructure, physical infrastructure, and basic financial market conditions
- Relative weaknesses in competition, human resources, advanced demand conditions, and basic cluster conditions



Factor (Input) Conditions Sweden's Relative Position

Competitive Advantages Relative to GDP per Capita

Country Ranking, Arrows indicate a change of 5 or more ranks since 1998

Quality of scientific research institutions 2 {
Internet users per 10,000 people (2003) 3
University/industry research collaboration 3
Efficiency of legal framework 3
Ease of access to loans 4
Patents per million population (2003) 6
Availability of scientists and engineers 6

Competitive Disadvantages Relative to GDP per Capita

Country Ranking, Arrows indicate a change of 5 or more ranks since 1998

	Taliks Silice 1990
Extent of bureaucratic red tape	23 👉
Quality of math and science ed	lucation 21
Local equity market access	18 🖶
Air transport infrastructure qua	lity 17
Quality of public schools	15 👉
Quality of electricity supply	14
Venture capital availability	13
Quality of management school	s 12 -
Reliability of police services	11 👉
Cell phones per 100 people (20	003) 11
Overall infrastructure quality	10
Telephone/fax infrastructure qu	uality 9
Administrative burden for startu	ups 9 弁

Note: Rank by countries; overall Sweden ranks 4 (6 on National Business Environment, 19 on GDP pc 2003)

Source: Global Competitiveness Report 2004

Context for Firm Strategy and Rivalry

Context for Firm Strategy and Rivalry Sweden's Relative Position

Competitive Advantages Relative to GDP per Capita

Country Ranking, Arrows indicate a change of 5 or more ranks since 1998

Intellectual property protection	1	1
Tariff liberalization	2	
Hidden trade barrier liberalization	4	
Cooperation in labor-employer relations	5	
Favoritism in decisions of government officials	5	1
Business costs of corruption	6	
Effectiveness of bankruptcy law	6	

Competitive Disadvantages Relative to GDP per Capita

Country Ranking, Arrows

indicate a change ranks	of 5 or more s since 1998
Intensity of local competition	39
Extent of locally based competitors	33
Decentralization of corporate activity	24
Centralization of economic policy-making	22
Prevalence of mergers and acquisitions	20
Effectiveness of anti-trust policy	19 🔻
Efficacy of corporate boards	17
Foreign ownership restrictions	13
Regulation of securities exchanges	10
Protection of minority shareholders' interests	9

Rank by countries; overall Sweden ranks 4 (6 on National Business Environment, 19 on GDP pc 2003)

Source: Global Competitiveness Report 2004



Demand Conditions Sweden's Relative Position

Competitive Advantages Relative to GDP per Capita

Country Ranking, Arrows indicate a change of 5 or more ranks since 1998

Stringency of environmental regulations 6

Competitive Disadvantages Relative to GDP per Capita

Country Ranking, Arrows indicate a change of 5 or more ranks since 1998

Government procurement of advanced 19 technology products

Buyer sophistication 13 -

Laws relating to ICT 12

Presence of demanding regulatory 11

standards

Note: Rank by countries; overall Sweden ranks 4 (6 on National Business Environment, 19 on GDP pc 2003)

Related and **Supporting Industries**

Related and Supporting Industries **Sweden's Relative Position**

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Competitive Advantages Relative to GDP per Capita

Country Ranking, Arrows indicate a change of 5 or more ranks since 1998

Extent of collaboration among clusters

6 Local supplier quality

Competitive Disadvantages Relative to GDP per Capita

Country Ranking, Arrows indicate a change of 5 or more ranks since 1998

Local availability of components and parts 21

Local supplier quantity 20

Local availability of process machinery 14

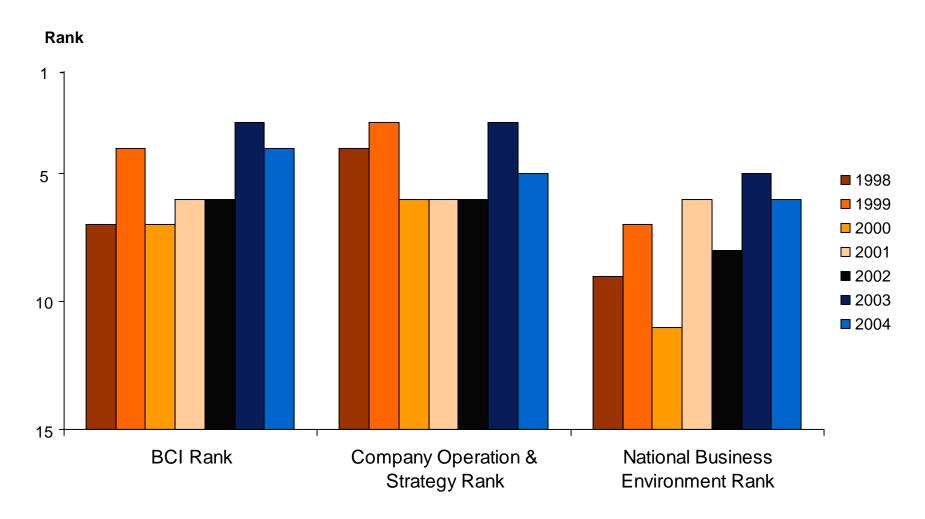
State of cluster development 9

Local availability of specialized research

and training services

Rank by countries; overall Sweden ranks 4 (6 on National Business Environment, 19 on GDP pc 2003)

Business Competitiveness Index Sweden's Position over Time



Sweden's overall BCI index value has dropped slightly (32 advancing/39 falling indicators), balanced across all elements of competitiveness

Note: Constant sample of countries

Swedish Competitiveness 2004 Key Observations

Level of competitiveness

- High and should support higher prosperity
- Prosperity held back by taxes and imbalance between company sophistication and business environment quality

Strengths and weaknesses

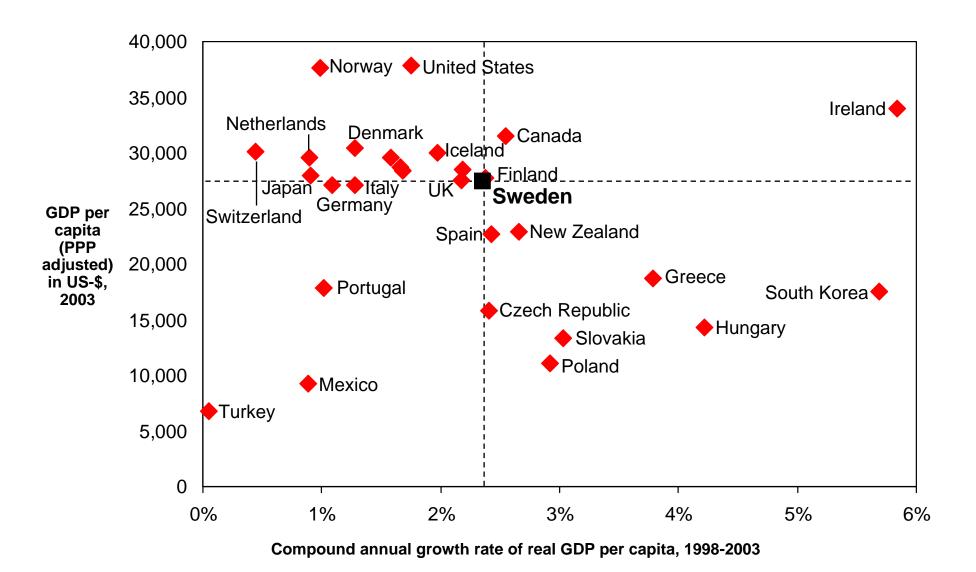
- Strengths in areas related to technology and innovation, level playing field for competition, administrative infrastructure, physical infrastructure, and basic financial market conditions
- Weaknesses in areas related to competition, human resources, advanced demand conditions, and basic cluster conditions

Trend

- Slightly positive development in the last few years
- But 2004 seems to have been a lost year for competitiveness upgrading

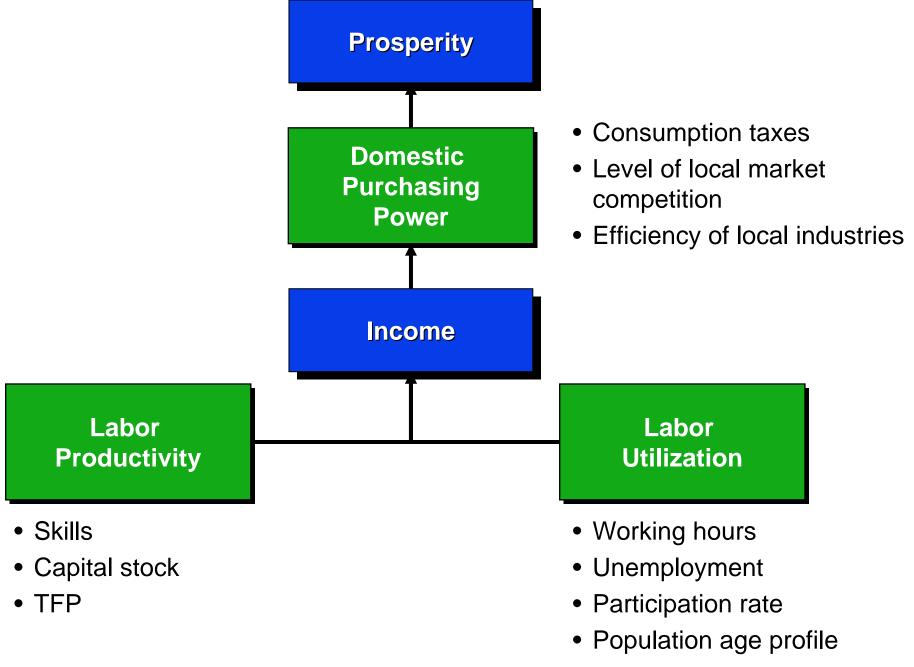
Appendix

Prosperity

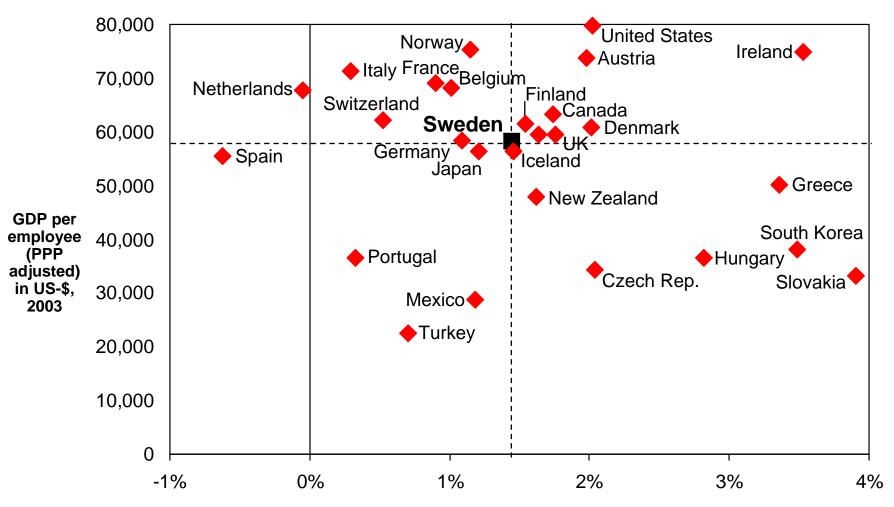


Source: EIU (2004)

Decomposing Prosperity

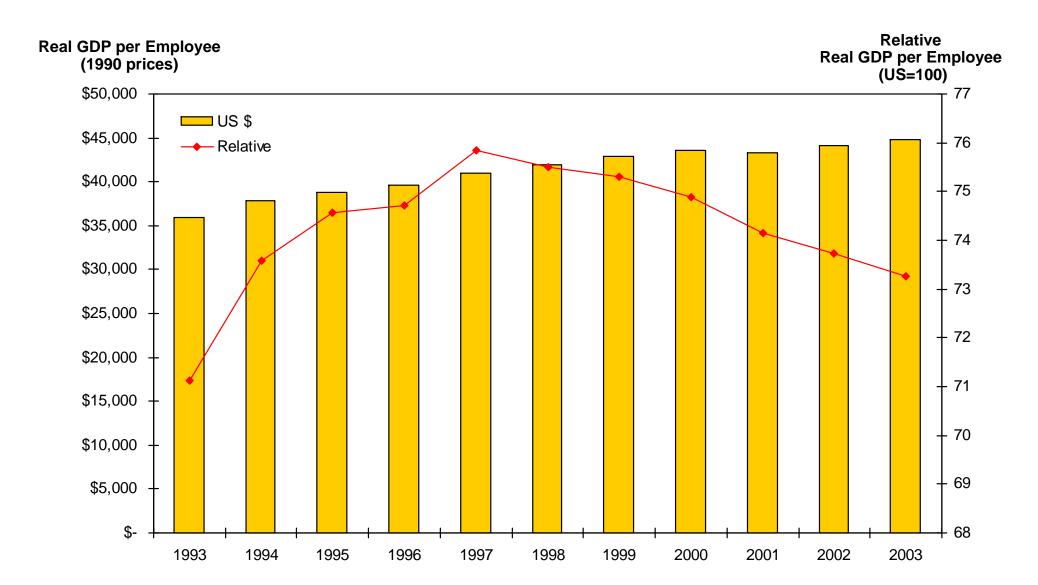


Productivity



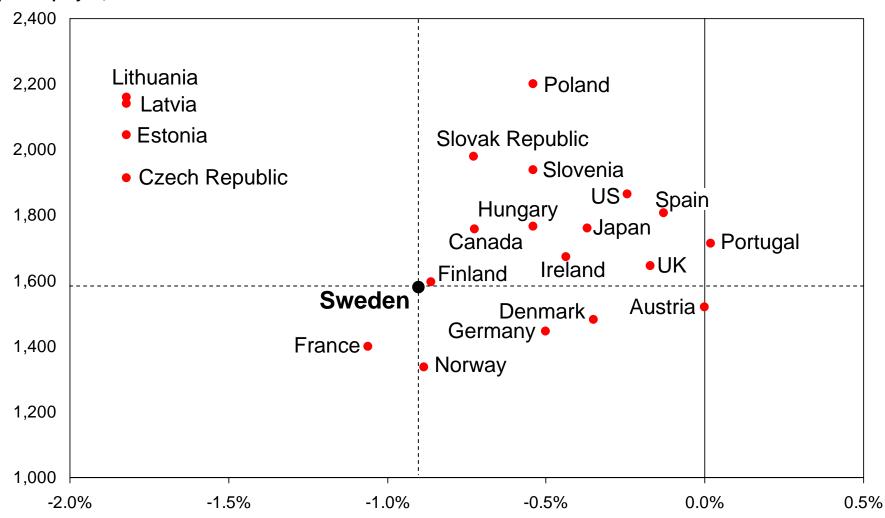
Compound annual growth rate (CAGR) of real GDP per employee, 1997-2002

Swedish Labor Productivity Growth Versus the U.S.



Labor Utilization Selected Countries

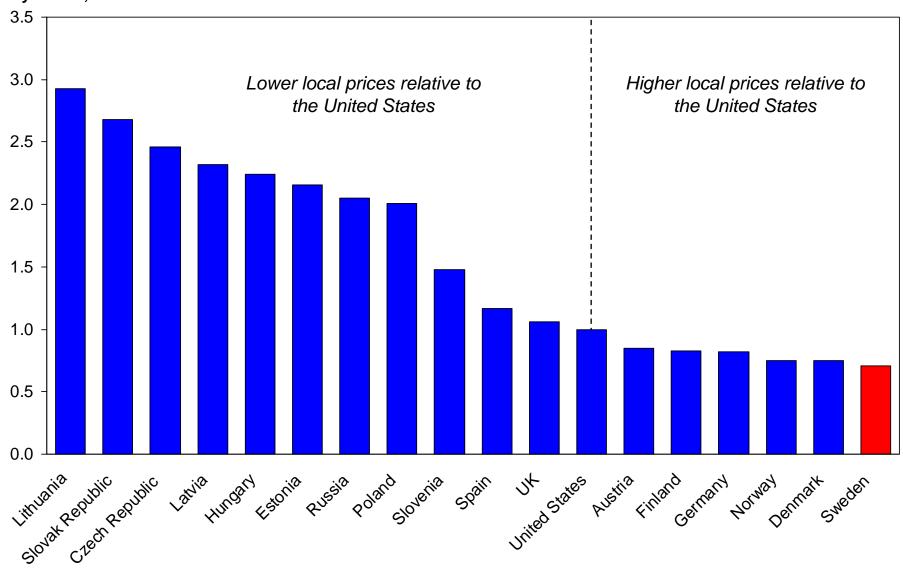
Annual Hours Worked per Employee, 2003



Growth of Annual Hours Worked per Employee, CAGR, 2000-2003

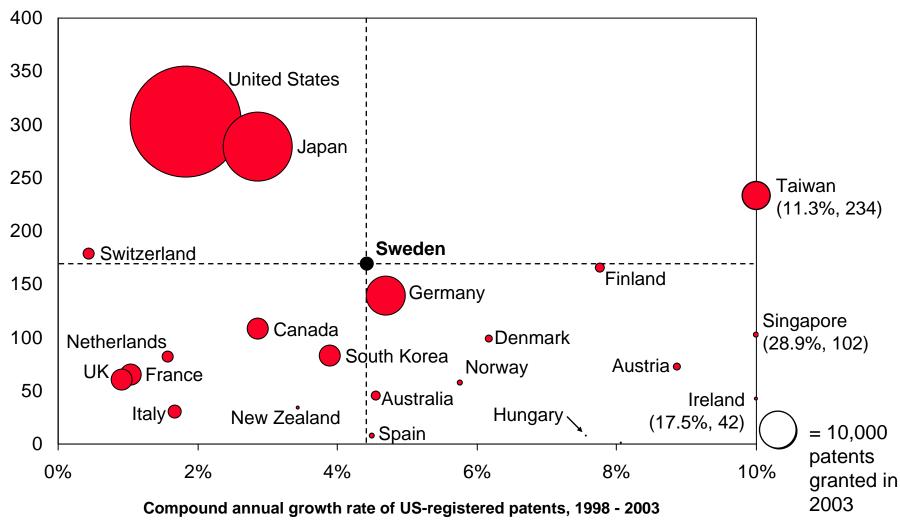
Domestic Purchasing Power of Income Selected European Countries

Purchasing Power Parity Factor, 2003



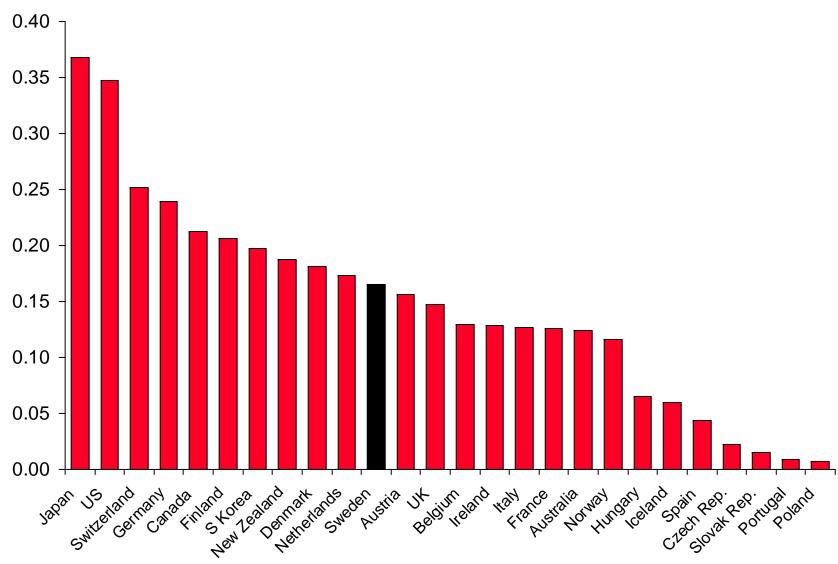
Innovation



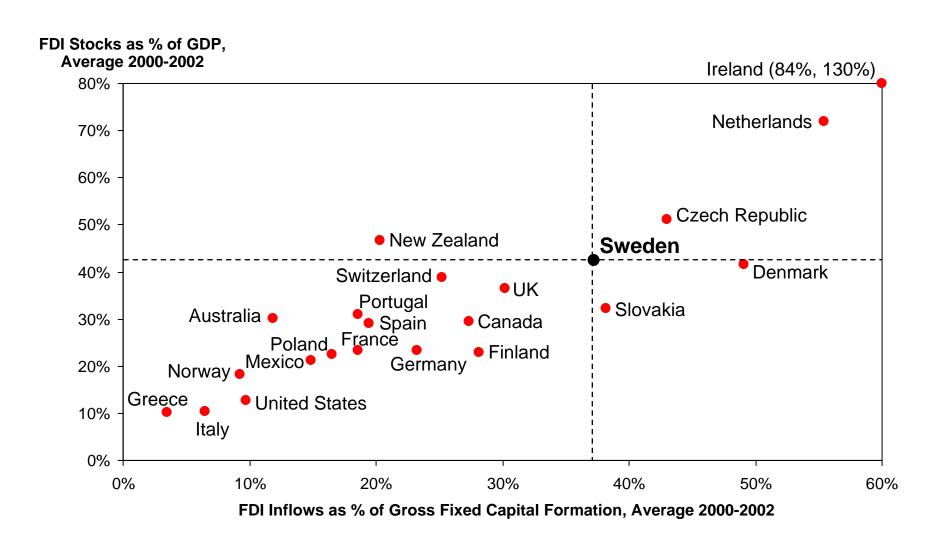


R&D Spending Effectiveness

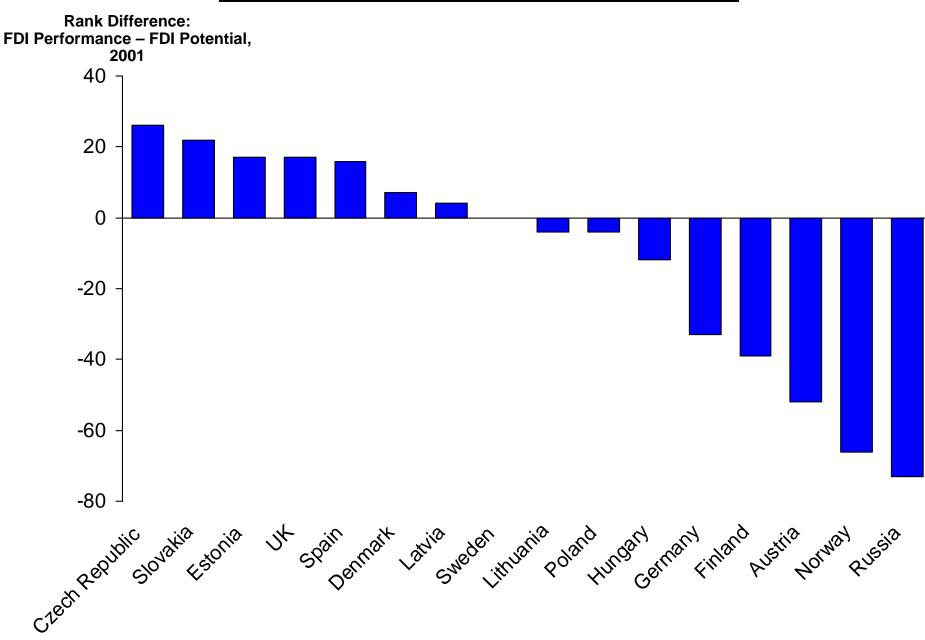




Comparative Inward Foreign Investment OECD Countries

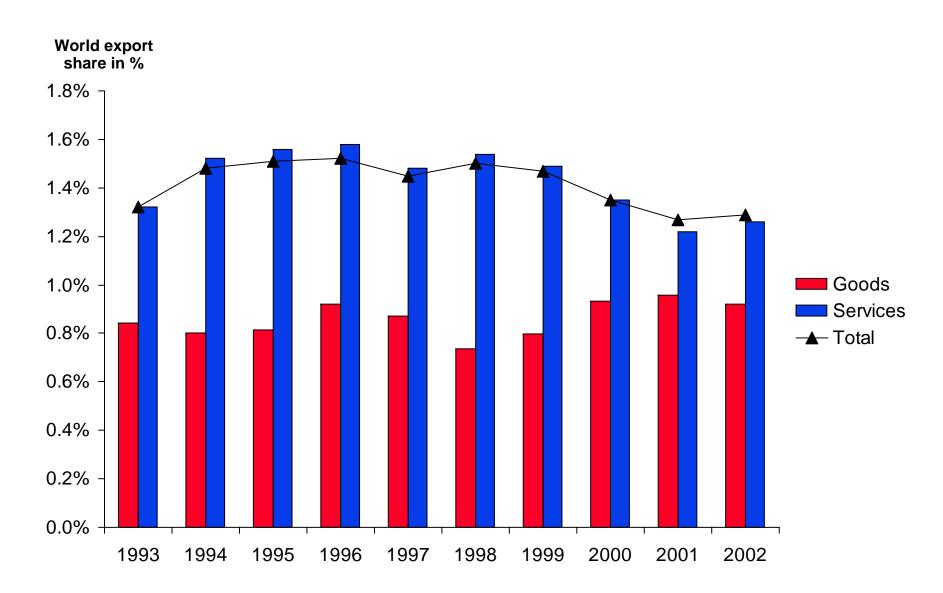


Comparative Inward Foreign Investment Inward FDI Performance versus Potential



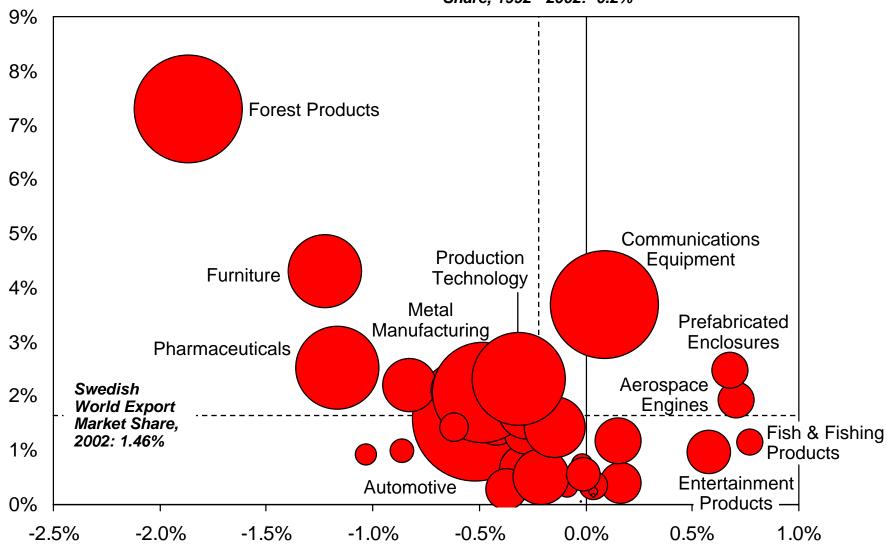
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Sweden's Export Performance World Export Market Shares



Swedish Cluster Portfolio Goods Exports, 1992-2002

Change in Swedish World Export Market Share, 1992 - 2002: -0.2%



Compound annual growth rate of Swedish world export market share, 1992 – 2002

Multinational Companies' Home Base

Business Week 1000		
United States	423	
 United Kingdom 	73	
Canada	37	
Germany	35	
• Sweden	15	
Spain	10	
Finland	5	
Norway	5	
Denmark	4	
Ireland	4	
Austria	3	
Portugal	3	
Poland	2	
Hungary	1	