



Republic of Slovenia

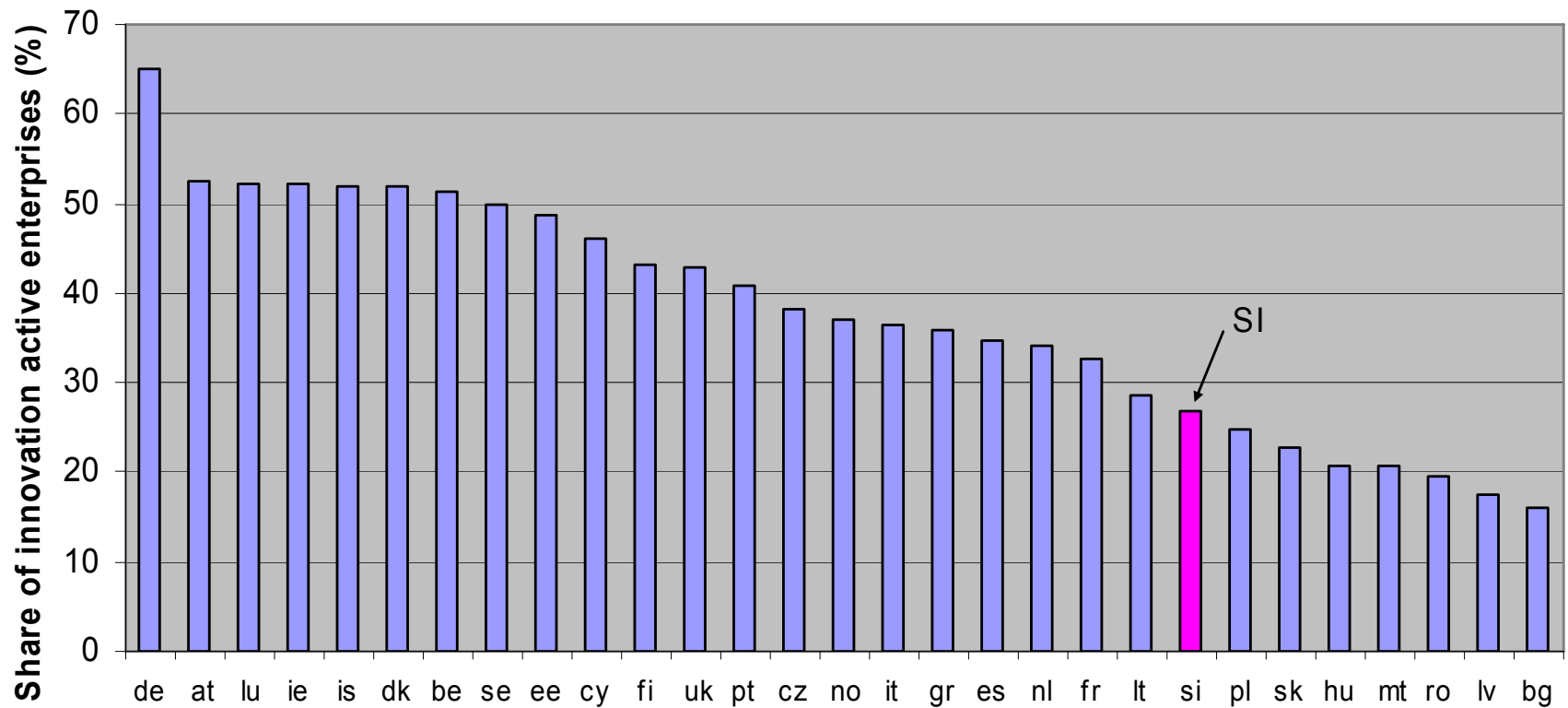
Ministry of Higher Education, Science and Technology

# New Issues in Slovenian Innovation Policy

Dr. Aleš Mihelič, Director General

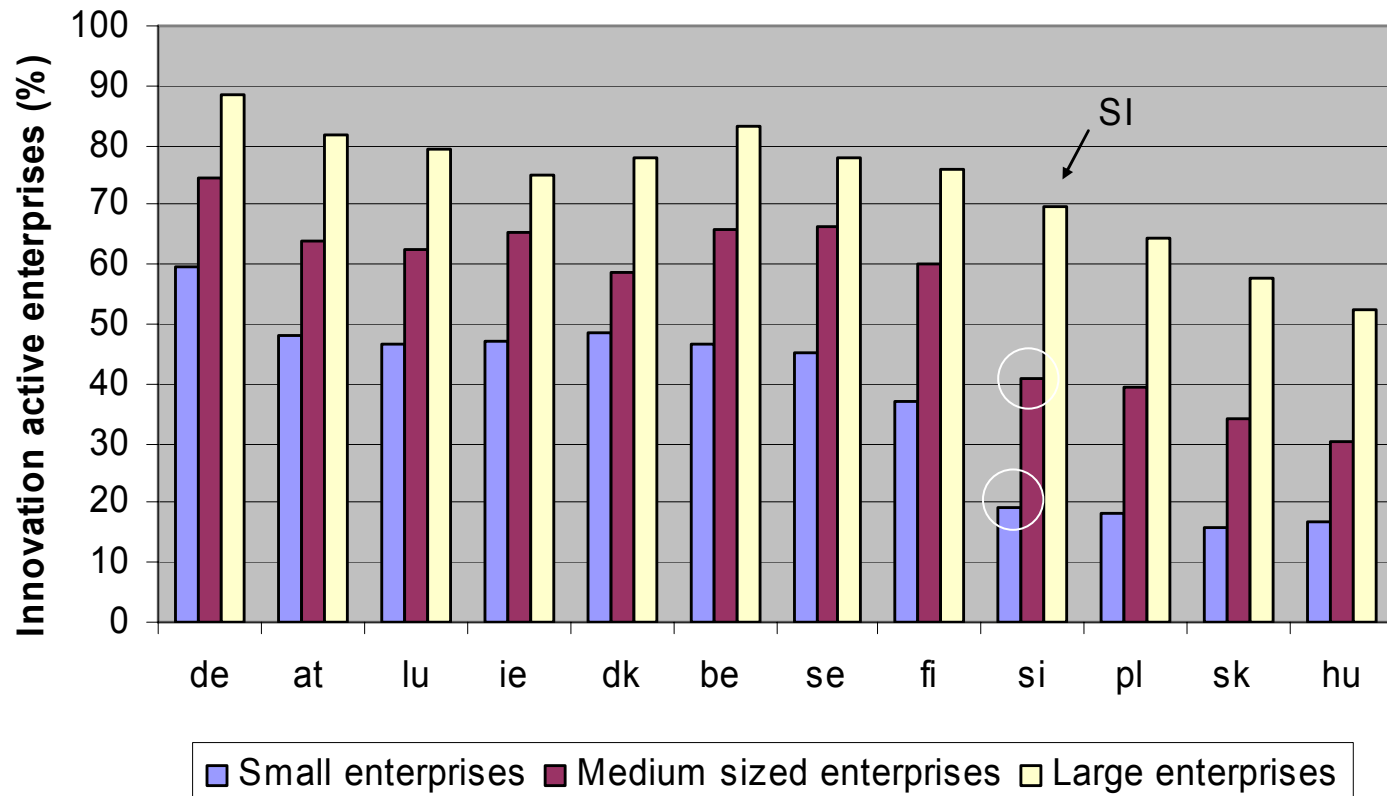
# Landscape - Innovation in companies

Share of innovation active enterprises, European countries, 2002-2004



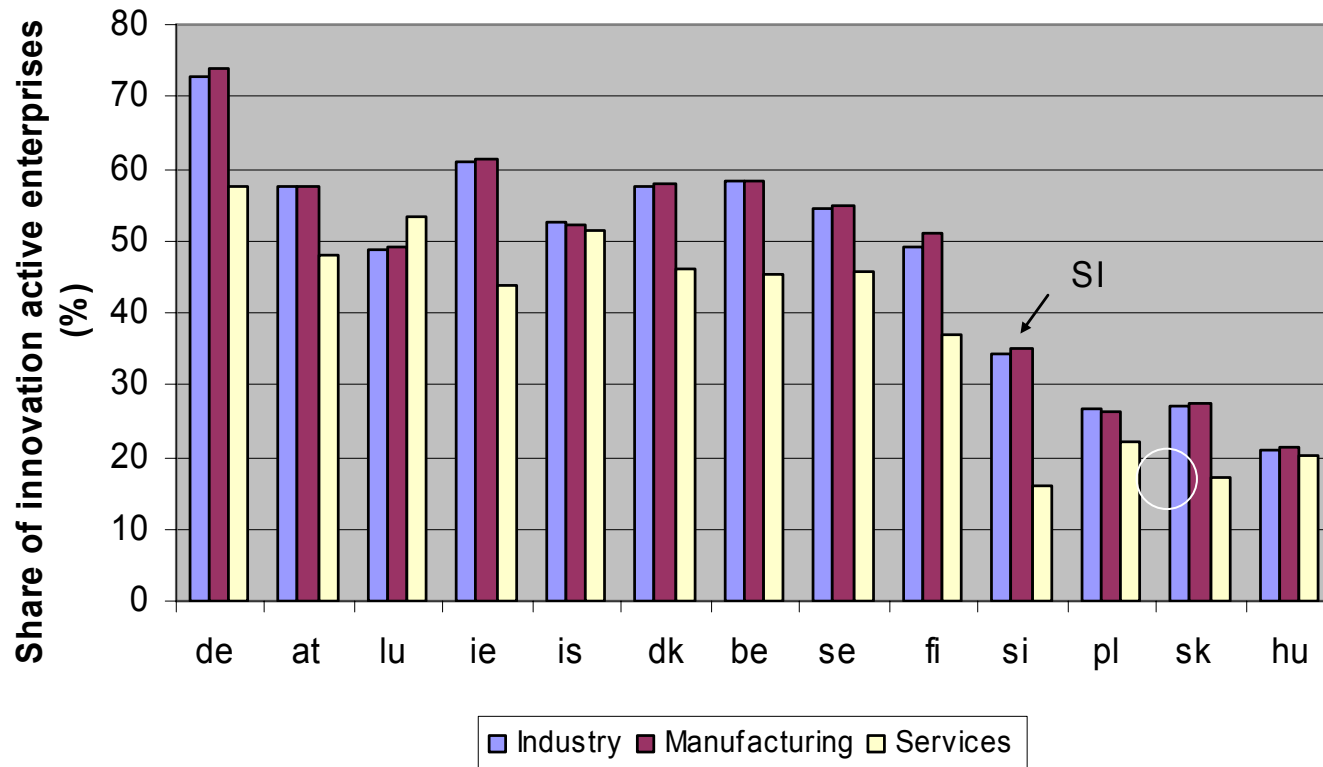
# Landscape - Innovation is weak in SMEs

Innovation active enterprises by size of enterprise,  
European countries, 2002-2004



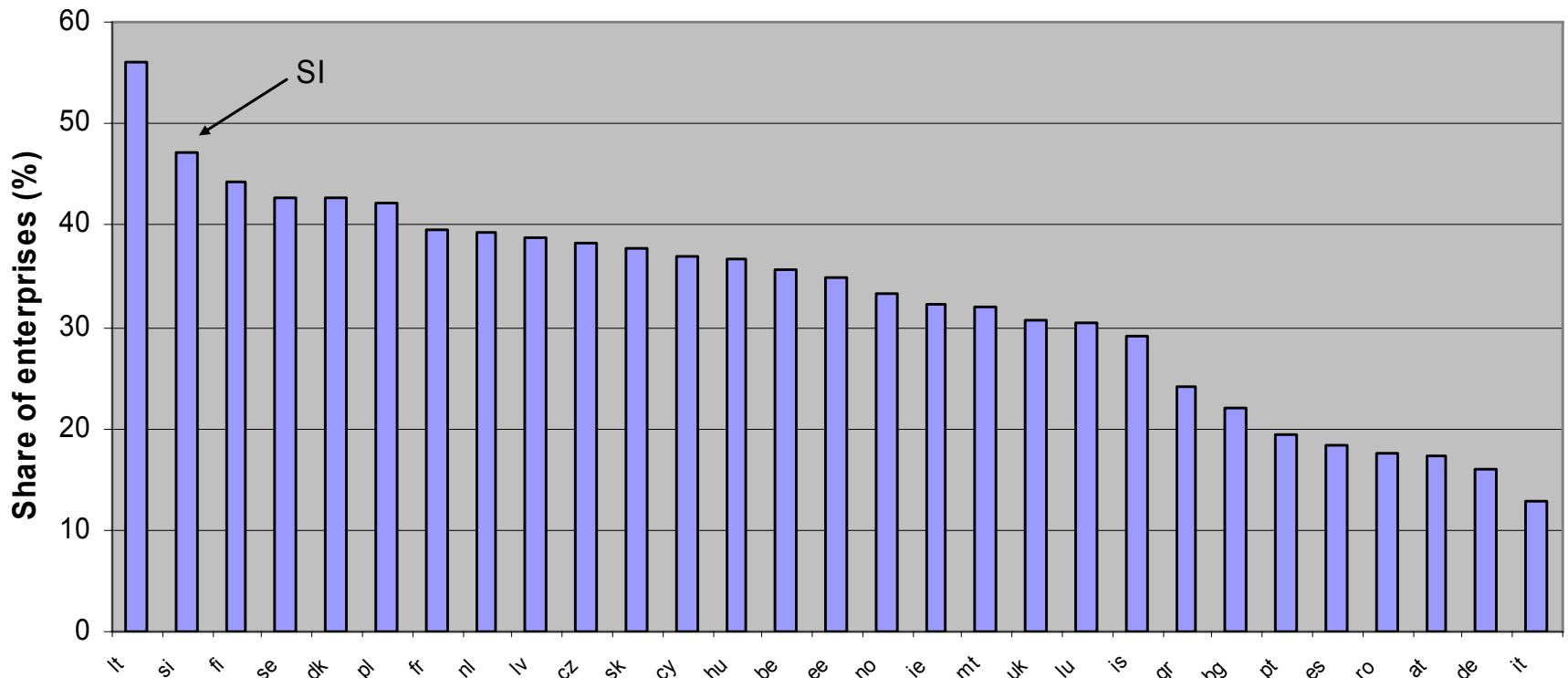
# Innovation (in services) is low

Share of innovation active enterprises by activities,  
European countries, 2002-2004



# However, co-operation is strong

Share of innovation active enterprises with innovation co-operation, European countries, 2002-2004



# Export from Slovenia

## Key exporting industries:

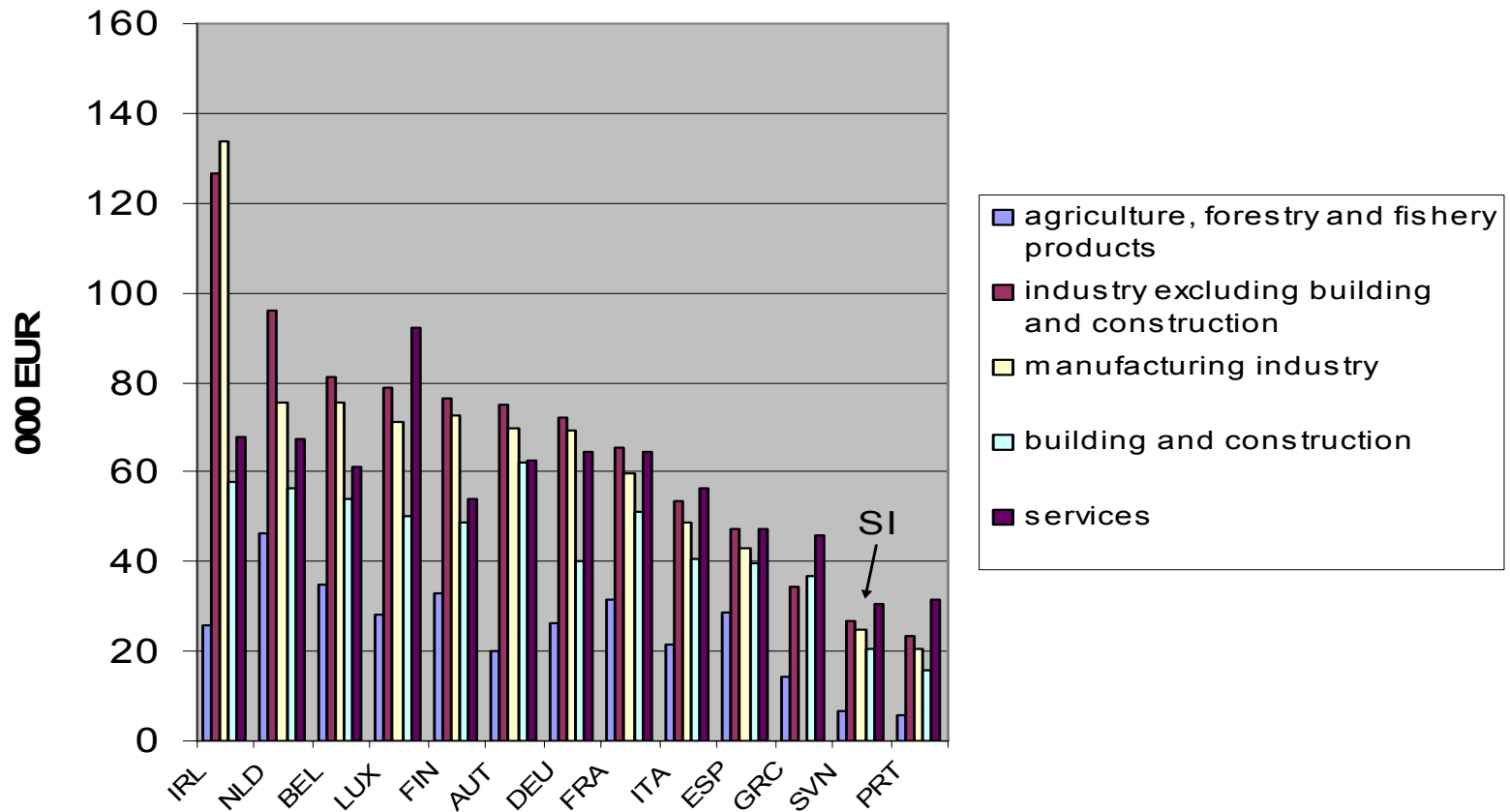
- Metal Processing 25.6%
- Electronic and electrical 17.0%
- Textile, Clothing, Leather 13.4%
- Chemical and Rubber 10.4%
- Wood Processing 10.0%
- Agriculture-Food 4.1%
- Pharmaceutical 4.0%

## Target markets:

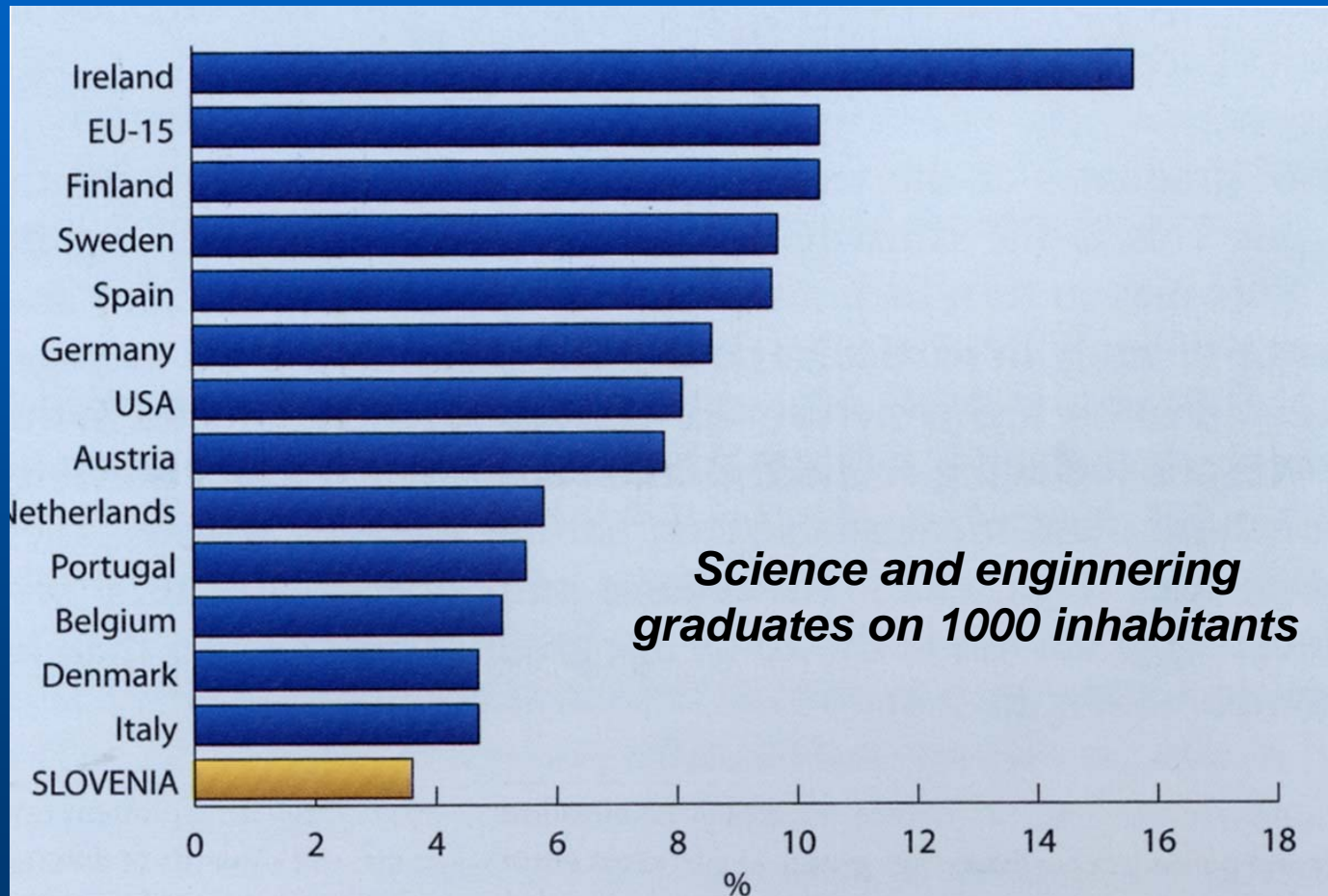
- EU 62.24%
- CEFTA 8.01%
- Germany 26.24%
- Italy 12.52%
- Croatia 8.64%
- Austria 7.49%
- France 6.79%
- B-H 4.29%
- SCG 2.6%
- UK 2.8%
- USA 2.64%
- Poland 2.62%

# Value added shall be improved

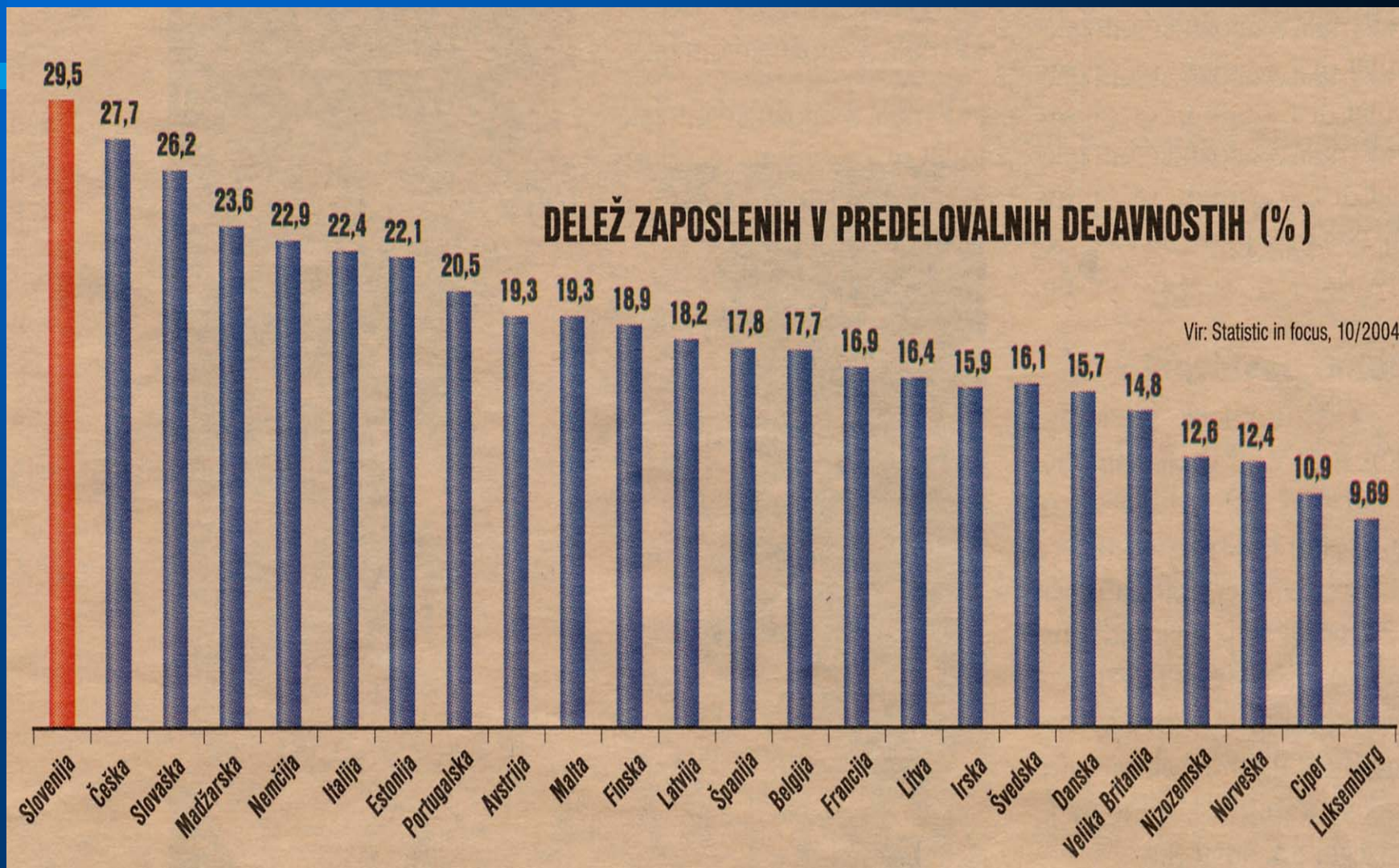
Gross value added at current prices per person employed (2005)



# Human capital



# Share of employees in manufacturing



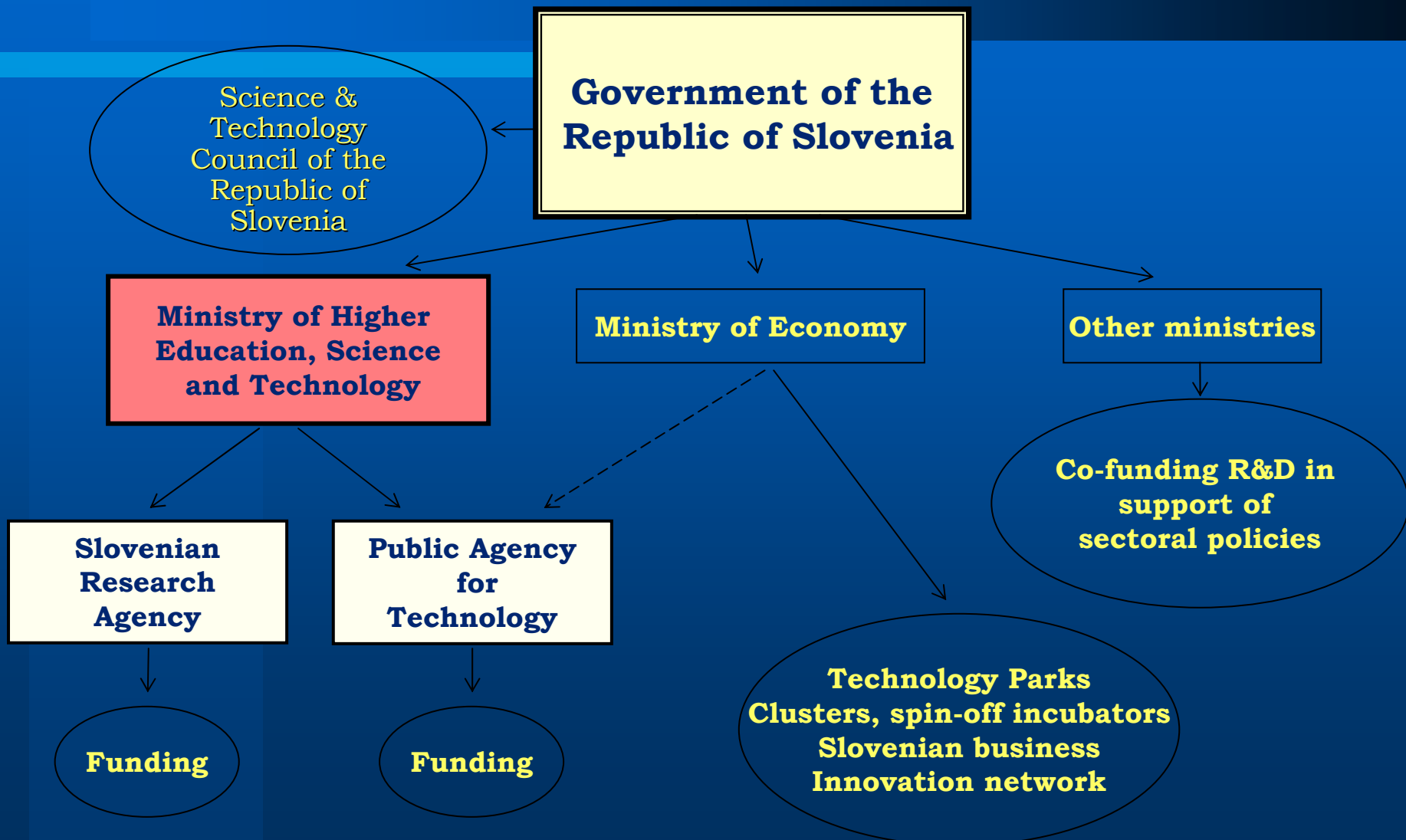
# Competitive position of the Slovenian industry

- The overall performance of the Slovenian industry is improving
- Competitiveness through cooperation
- There is an important “strategic gap” in productivity (value added per employee is still in average about 3-times lower than EU leaders), mainly due to
  - Insufficient knowledge (managerial, technical, organisational) – New action plan on innovation
  - Inadequate innovation activity
  - Low investment capacity
  - Insufficient involvement of supporting institutions
- The share of non-innovative enterprises is still too high.

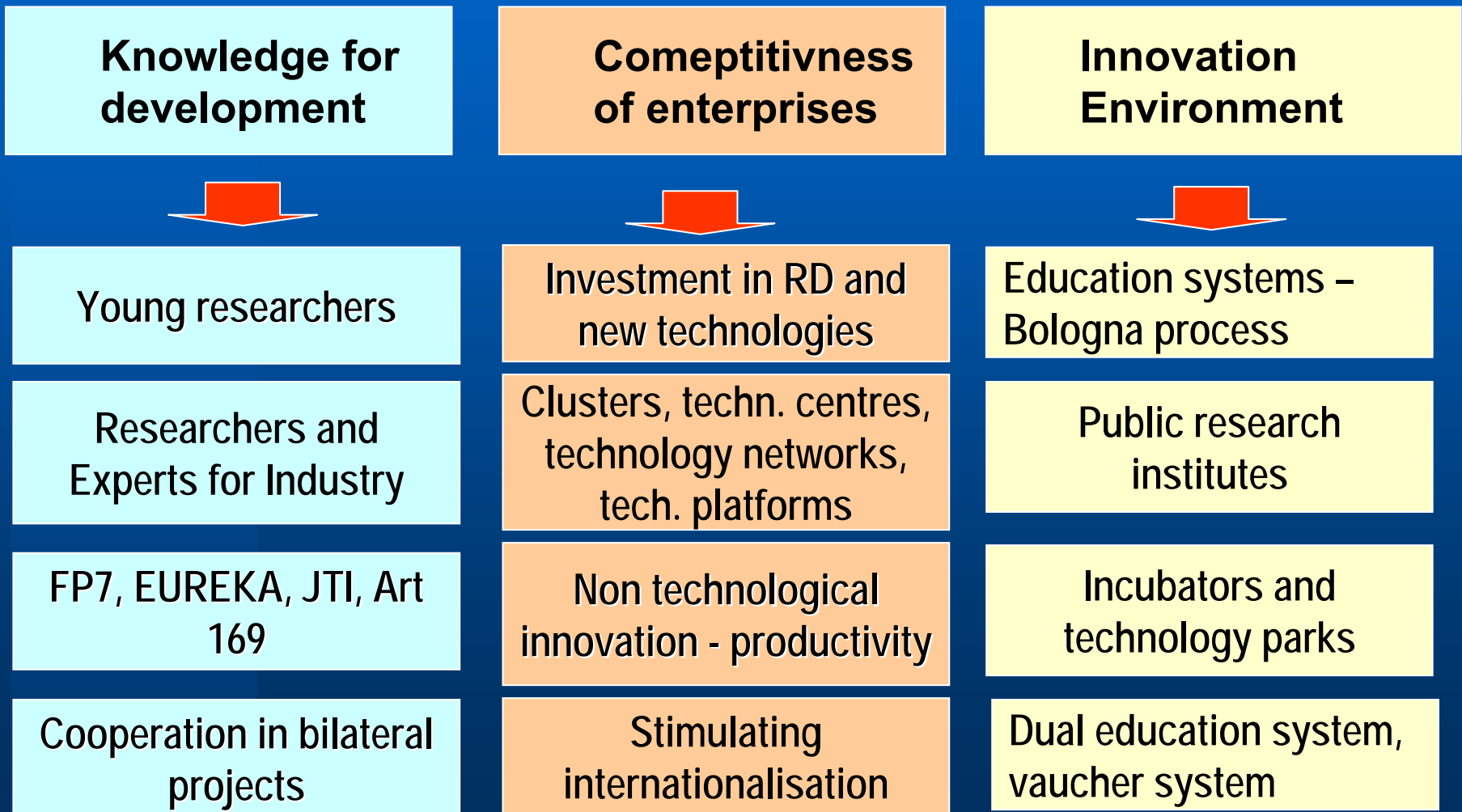
# Slovenian technology and innovation policy

- New Law on Research and Development – (dec. 2002)
- Law on Enterprenership (Development fund & Innovation infrastructure) – (2003)
- Establishment of Science and Technology Agencies (2004)
- Technology networks and platforms (2004-05)
- Governmental Committee for Reforms (2005)
- Tax incentives for RTDI (2006)
- **New initiatives to integrate the research and education in one common area (2007)**
- Commitment of the Prime Minister

# Organisation of public decision-making and funding



# Inter-related horizontal schemes



# Priorities & Technology platforms

## Slovenian Technology Platforms

e-Mobility

Photovoltaics

Hydrogen Fuel Cells

Construction

Food and Health

New materials - EuMAT

Steel

Forest based Sector

MANUFUTURE- production technologies

ERTRAC – road transport

Textile

ARTEMIS – Embedded Systems

Water Supply and Sanitation

Sustainable Chemistry

# Innovation environment and International cooperation

Clusters

Technology networks

Technology centers

7th Framework Programme

EUREKA (successful, chairmanship 07/08)

ERA-NETs: CORNET with A,D,NL,...

ERA-SME

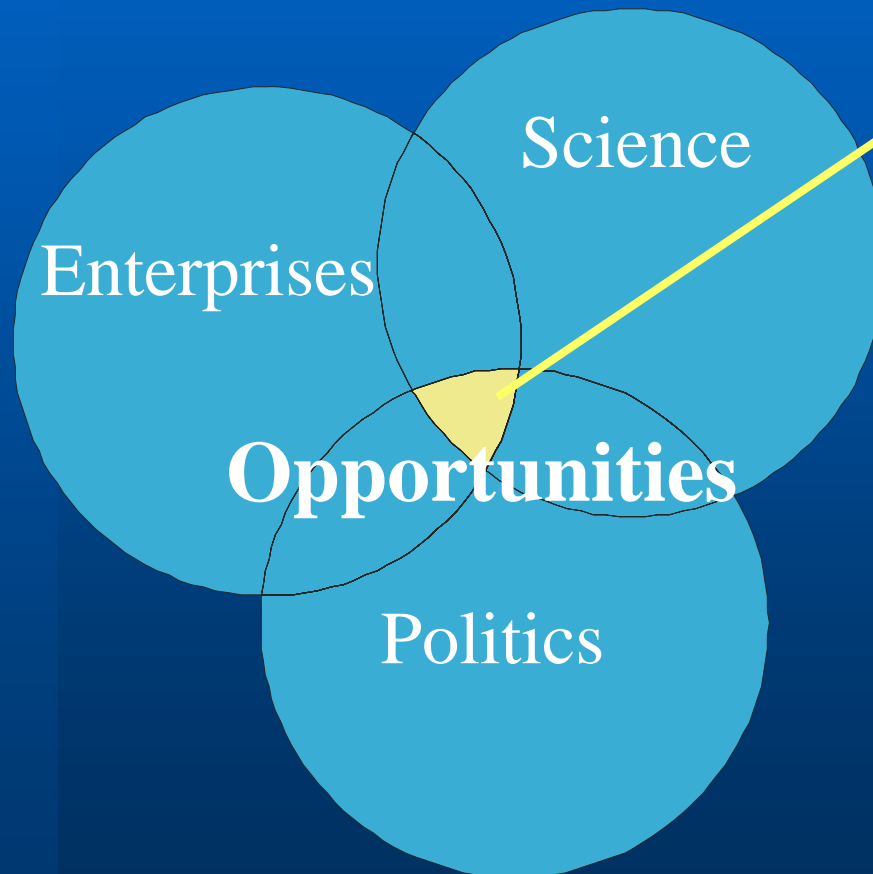
COMPERA

MANUNET

Brokerage events (ACR - Biotech, Collective research, IT,..)

# Instead of the conclusion...

- The consensus of all partners is needed – Triple Helix



- Productivity
- High-tech products
- Competitive economy

# Made in Slovenia

- **RECENT TECHNOLOGICAL ACHIEVMENTS MADE IN SLOVENIA**
- sailing boats Seaway / Shipman 50, the world's first series production epoxy-carbon sailing yacht
- Elan skis / Speedwave series – 2006 European Ski Award winner
- Pipistrel light aircraft / revolutionary 15-meter wingspan two-seater ultralight glider Taurus
- Akrapovič exhaust system technology for motorbikes
- Dewesoft telemetric data acquisition software (NASA)
- electric motors and parts thereof (Domel, Rotomatika, Hydria)
- generic drug producers (Lek, Krka)
- beam stabilization solutions for particle accelerators (Instrumentation Technologies)
- medical lasers for dermatology and dental use (Fotona)

# Thank you!

**Dr. Aleš Mihelič, Director General**  
**Directorate for Technology**

**Ministry of Higher Education, Science and Technology**  
**Trg OF 13**  
**1000 Ljubljana, Slovenia**  
**[www.mvzt.gov.si](http://www.mvzt.gov.si)**