THE INFORMATION TECHNOLOGY & INNOVATION FOUNDATION



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Mexico Innovation Policymakers' Forum

Wilson Center – Mexico Institute

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Information Technology and Innovation Foundation ITIF is a public policy think tank committed to articulating and advancing a pro-productivity, proinnovation, and pro-technology public policy agenda internationally, in Washington and in the states. ITIF focuses on:

- Innovation processes, policy and metrics
- Science policy related to economic growth
- E-commerce, e-government, e-voting, e-health
- IT and economic productivity
- Innovation and trade policy
- Clean energy

What is Innovation and Why Does It Matter?

- The improvement of existing or the creation of entirely new products, processes, or services.
- The creation of new value for the world.

- It's the core driver of modern economic growth.
- 90% of the variation in the growth of income per worker across nations is attributable to innovation.

The Atlantic Century II



Benchmarking EU & U.S. Innovation and Competitiveness

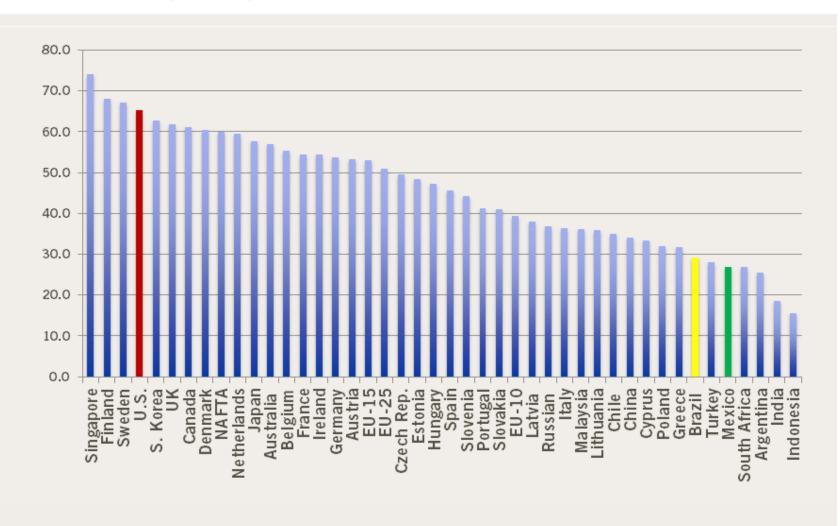
July 2011



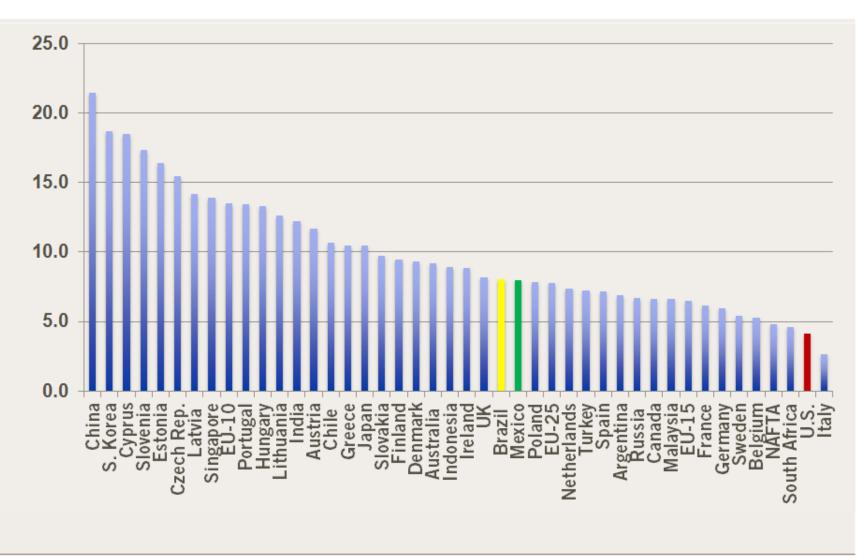
- The Study: compares innovation-based competiveness of 44 nations and regions.
- 16 indicators: including corporate and government R&D, scientists and engineers, new firms, corp. tax, productivity growth and others.

http://www.itif.org/files/2011-atlantic-century.pdf

Overall Score for Global Competitiveness and Innovation (2011)



Overall Change Score (1999-2011)



Mexico's Ranks (2011)

Five Highest Factors

- Venture Capital (25)
- E-Government (29)
- Trade Balance (29)
- Business Climate (30)
- Foreign Direct Investment (30)

Five Lowest Factors

- Broadband Composition (37)
- Publications (37)
- New Firms (37)
- Business R&D (39)
- Scientific Researchers (42)

Mexico's Ranks on Rate of Change (2000-2011)

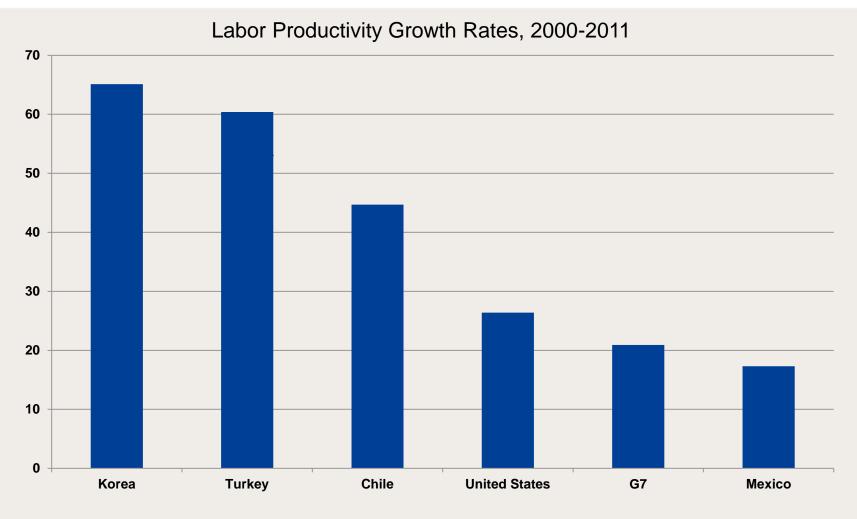
Five Highest Rates of Change

- IT Investments (4)
- Business R&D (6)
- Government R&D (14)
- Researchers (14)
- New Firms (18)

Five Lowest Rates of Change

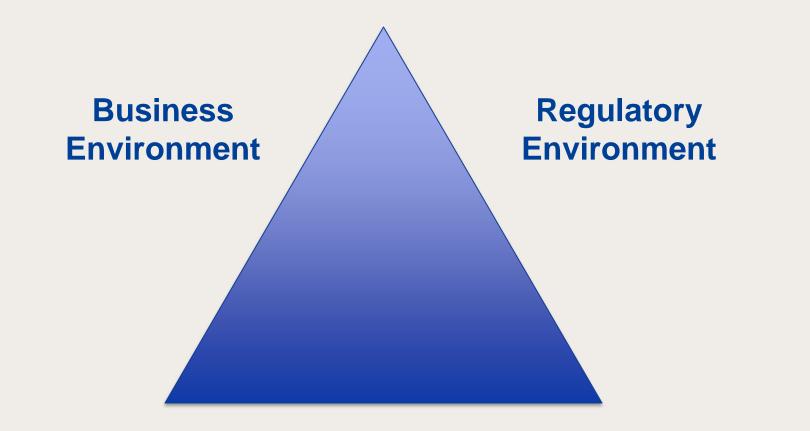
- Scientific Publications (32)
- E-Government (37)
- Broadband (37)
- Productivity (38)
- GDP Per Adult (43)

Mexico's Key Challenge: Productivity



Source: Organisation for Economic Co-operation and Development

Maximizing Innovation: Get the Innovation Triangle Right



Innovation Policy Environment

Business Environment



- 1. Vibrant capital markets
- 2. High levels of entrepreneurship
- 3. Strong management skills
- 4. Strong ICT adoption, especially among business
- 5. Embrace dynamic churn and change (e.g. creative destruction)

Regulatory Environment

- 1. Transparency and the rule of law
- 2. Protection of intellectual property (and other property rights)
- 3. Ease of starting a business
- 4. Pro-competition anti-trust and regulatory policies
- 5. Efficient product approval process (e.g., for new medicines)

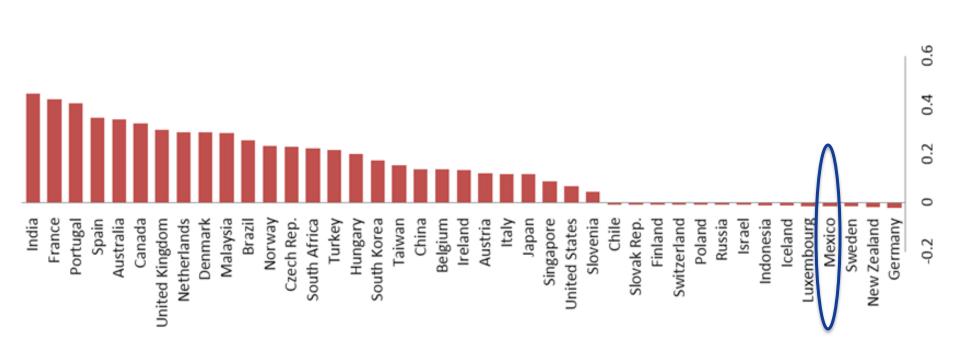
Innovation/Technology Policy Environment

- 1. Funding for research, especially that which is commercially oriented
- 2. Incentives to invest in R&D, capital equipment, workforce training
- 3. Supporting technology transfer from universities and national labs
- 4. Strong STEM education system
- 5. Active policies to spur digital transformation

Policy Recommendations for Mexico's Legislature

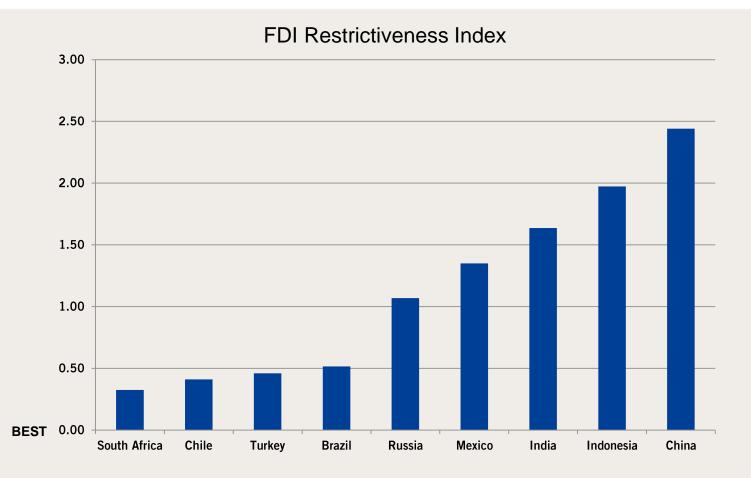
- ✓ Turn Mexico's universities into engines of innovation.
- ✓ Enhance enterprises' incentives to invest in R&D.
 - Generosity, collaborative R&D credits, and inn. vouchers.
- Enhance enterprises' incentives & ability to invest in new plant, machinery, and capital equipment.
- ✓ Remove barriers to FDI (31st of 40 nations in OECD's RRI)
- ✓ Enhance investments in public health.

Comparative R&D Tax Credit Generosity



Source: We're 27th! The United States Lags Far Behind in R&D Tax Credit Generosity http://www2.itif.org/2012-were-27-b-index-tax.pdf

Comparative FDI Openness



Source: OECD FDI Restrictiveness Index, http://www.oecd.org/investment/fdiindex.htm

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Thank you!

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