Assessing the Competitiveness of Austrian, Brazilian, Chilean, Colombian, German, Hungarian, Italian, Mexican, Peruvian, Polish, Swedish, and U.S. Regions:

The Transatlantic and Latin American Subnational Innovation Competitiveness Indices (TASICI & LASICI)

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Purpose

- Long-term economic growth depends on subnational innovation ecosystems
- Quantify subnational strengths and weaknesses
- Targeted policymaking
- Promote international competitiveness and partnerships
Indicators

Knowledge Economy (31%)

- Highly Educated Population
- Skilled Immigration
- Professional, Technical, Scientific (PTS) Employment
- Manufacturing Labor Productivity

Globalization (13%)

- High-Tech Exports
- Inward Foreign Direct Investment

Innovation Capacity (56%)

- Broadband Access
- R&D Intensity
- R&D Personnel
- Patent Applications
- Business Creation
- Carbon Efficiency
- Venture Capital
TASICI Results
TASICI Innovation Capacity Scores

United States

Sweden

Germany

Italy

Austria

Hungary

Poland
LASICI Results

United States
Mexico
Chile
Peru
Brazil
Colombia

Innovation Leaders +
Strong Innovators +
Moderate Innovators +
Modest Innovators +
Innovation Leaders -
Strong Innovators -
Moderate Innovators -
Modest Innovators -

Brazil
Chile
Colombia
Mexico
Peru
USA
LASICI Innovation Capacity Scores

United States
Mexico
Chile
Peru
Brazil
Colombia

[Map and box plots showing innovation capacity scores for various countries]
### TASICI National Policy Recommendations

<table>
<thead>
<tr>
<th>Knowledge Economy</th>
<th>Globalization</th>
<th>Innovation Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital education infrastructure</td>
<td>Technology FDI and trade</td>
<td>Knowledge transfer to industry</td>
</tr>
<tr>
<td>STEM education</td>
<td>Industrie 4.0 FDI</td>
<td>High-Tech Strategy 2025</td>
</tr>
<tr>
<td>STEM education and HSUP</td>
<td>Multinational R&amp;D centers</td>
<td>Industry-academia partnership</td>
</tr>
<tr>
<td>Upskill STEM and Ph.D.</td>
<td>Strengthen and digitalize SMEs</td>
<td>Emerging technology incentives</td>
</tr>
<tr>
<td>Skilled immigration policy</td>
<td>Change role in production chains</td>
<td>Industry-academia partnership</td>
</tr>
<tr>
<td>STEM and digital education</td>
<td>Strengthen export positioning</td>
<td>Industry-academia partnership</td>
</tr>
<tr>
<td>Regional innovation hubs</td>
<td>Attract FDI by incentives</td>
<td>TIP, MEP, and size neutrality</td>
</tr>
</tbody>
</table>

*Source to images: Flaticon.*
## LASICI National Policy Recommendations

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</tr>
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**Knowledge Economy:**
- Industry-academia partnership
- Improve education quality
- Boost education in smaller cities
- Industry-academia partnership
- Improve education quality
- Regional innovation hubs

**Globalization:**
- Promote high-tech exports
- Attract FDI and promote exports
- Export promotion for start-ups
- Promote strategic sectors
- Attract FDI by incentives

**Innovation Capacity:**
- IP protection and culture
- Tax incentives for R&D
- Develop telecom infrastructure
- R&D tax incentives and grants
- Invest in and incentivize R&D
- TIP, MEP, size neutrality
State-Level Innovation Policy Recommendations

- Develop state-level “Industry 4.0” digitalization strategies.
- Introduce innovation vouchers.
- Introduce collaborative R&D tax credits.
- Help universities launch innovation incubators/accelerators.
- Develop university commercialization/entrepreneurship rankings.
- Permit both faculty and student entrepreneurial leave.
- Ensure international data flows can move seamlessly.
Thank You!

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