Universities as Drivers of Knowledge-Based Development

National Academies of Sciences, Engineering and Medicine
Policy Forum
Growing The Caribbean Innovation Economy
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The University of the West Indies, Open Campus
In the current context, policymakers must avoid complacency and press ahead with the structural reforms and critical investments required to ensure that their countries can provide a prosperous environment and employment for their citizens. They must identify and strengthen the transformative forces that will drive future economic growth. Particularly important will be the ability of economies to create new value-added products, processes, and business models through innovation.

(Source: Global Competitiveness Report 2013-2014, p. xiii)
Going forward, this means that the traditional distinction between countries being “developed” or “developing” will become less relevant and we will instead differentiate among countries based on whether they are “innovation rich” or “innovation poor.” It is therefore vital that leaders from business, government, and civil society work collaboratively to create enabling environments to foster innovation and, in particular, to create appropriate educational systems.

(Source: Global Competitiveness Report 2013-2014, p. xiii)
Global Competitive Report (2015/16)
12 Pillars of Competitiveness

- Quality of Institutions
- Infrastructure
- Macroeconomic Environment
- Health and Primary Education
- Higher Education and Training
- Goods Market Efficiency
- Labour Market Efficiency
- Financial Market Development
- Technology Development
- Market Size
- Business Sophistication
- Innovation
## Innovation Indices in the Caribbean Global Competitiveness Report 2016

<table>
<thead>
<tr>
<th>Country</th>
<th>Innovation Index (1-7)</th>
<th>Ranking / 140</th>
</tr>
</thead>
<tbody>
<tr>
<td>GUYANA</td>
<td>3.3</td>
<td>121</td>
</tr>
<tr>
<td>JAMAICA</td>
<td>3.3</td>
<td>86</td>
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<tr>
<td>TRINIDAD AND TOBAGO</td>
<td>3.5</td>
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<tr>
<td>SINGAPORE</td>
<td>5.2</td>
<td>2</td>
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<tr>
<td>SWITZERLAND</td>
<td>5.9</td>
<td>1</td>
</tr>
</tbody>
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The Changing Triple Mission Of The University
The Evolution of the Triple Helix of Innovation (Etzkowitz)
The Contemporary Triple Helix of Innovation (Etzkowitz)
Historicizing the Structural Deficiency of Caribbean Economies

Commodity focus (1600-early 20th C)

Service Industry Focus (mid-late 20th C)

Innovation Focus (21st C)
Knowledge-Based Development Through the Traditional Triple Helix: THE UWI EXPERIENCE
SUCCESS STORIES: MONA GEOINFORMATIX

- GPS Technology at UWI Mona
- SECURITY SERVICES/DISASTER MITIGATION/CRIME FIGHTING
- AUTO RENTAL INDUSTRY/
  MARKETING INTELLIGENCE/
  ROAD RACES
SUCCESS STORIES: UWI CAVE HILL: NARROWING THE “WIDE SARGASSUM SEA”
The Role of Universities in catalysing knowledge-based development in the Caribbean: The Missing Link
Going Beyond the Walls: Towards the Establishment of Community Based Incubators
The Role of the “ACTIVIST” University – Beyond the Triple Helix

- Community
- Entrepreneurs
- Policy Support
- R&D
- Funding
- Training
- Mentoring
- Funding
- Policy Support
- Community Entrepreneurs
- Training
- Mentoring
The Rastafari Village – Montego Bay
Jamaica
THANK YOU
Q & A