Industry-University Partnerships for Economic Development

Symposium on Tunisian Higher Education and U.S. Institutional Engagement

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Outline

• Why we care about industry-university engagement
• University roles
• Examples
• Strategies
• Discussion
PSU Mission

...enhance the intellectual, social, cultural and economic qualities of urban life ...
Institute of Portland Metropolitan Studies: Mission

...advances the economic, environmental, and social goals of the Portland metropolitan region.

Why we care  University roles  Examples  Strategies
How we “Walk our Talk”: An external governing board

• The IMS Board of Directors is drawn from throughout the metropolitan region
• Hires and fires the director
• Approves the annual workplan
• Brings projects of importance to the director
• Helps secure resources for key projects
• Acts as an ambassador for the IMS
Achieving *Collective Impact* requires partnerships

- *Large scale social and technological change requires coordination rather than isolated intervention*

University Roles in Community and Economic Development

- Human capital development
- Innovation and market development
- Quality places
- Creation of community capacity and promotion of equity
Stages of Innovation: The creative environment

Olive grove near Nablus. Photo courtesy of IMEU.

Photo courtesy of International Olive Council
Invention: Creating new Knowledge
Translation
Transformation of new knowledge into new products, processes, systems, or services

For example, how do we adapt olive varieties to different soil conditions?
Commercialization

Creation of economic value with the new products, processes, systems or services

Finding a market niche and meeting it
Partnerships in Technology Development: ONAMI
Key ONAMI Features

• Matching funds
  – for federal and private collaborative research proposals led by ONAMI member principle investigators

• **NWNanoNet™**
  – collection of shared/open user facilities to industry on a user friendly fee-for-service basis

• **Commercialization gap fund**
  – provides critical support to early stage technologies and companies arising ONAMI related research

• Events and opportunities for networking
North Carolina State University
NC Textile Connect

Improving markets, stimulating innovation, and encouraging collaboration

Why we care
University roles
Examples
Strategies
Potential Partnerships with Textiles Industry

Document industry linkages
Test and evaluate processes that reduce environmental impact
Organize industry events
Test and evaluate new machinery
Organize workforce development
Provide industry and trade data
Strategies/Key success factors:
General partnerships

- Leadership and institutionalization
- Mutuality
- Measurable Impact
- Sustainability
- Inclusion and Communication
Strategies and Key Success Factors: Research Partnerships

**Picking a Research area**

- Choose an area that aligns university capabilities and community needs
- Choose a niche that allows a leadership position
- Align key investments in technology to an overall economic strategy
Strategies and Success Factors

Approach and involve the Private Sector

- Involve industry in many different ways
- Use experts—including industry leaders—to evaluate investments
- Invest in the translation of research findings to industry

Why we care University roles Examples Strategies
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