

Paradigms of Innovation that transform economies

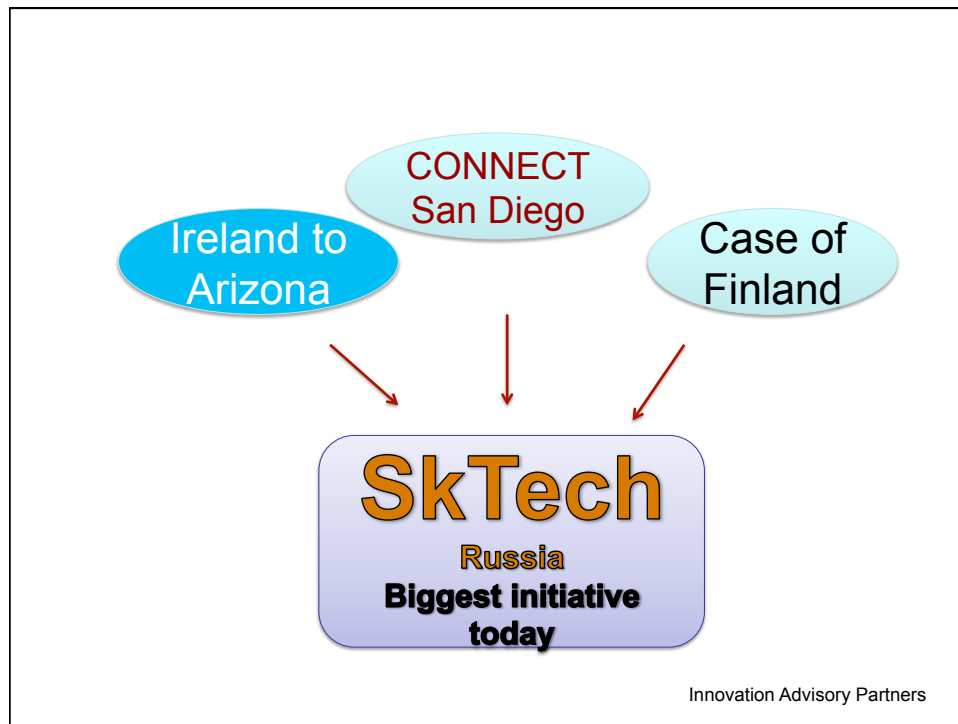
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A Dublin-Based Consultancy

Innovation

- Understood differently but uniformly viewed as secret to success
- Ireland ranked in Top 10 by *Global Innovation Index 2012*
- Large Innovation initiatives in motion

 **Let us probe, learn, and design today**



Outputs of Workshop

- Why large scale innovation necessary
- Identify universal pointers
- Identify key actions

Innovation to Transform Economies

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Proven Paths: Innovation to Commerce

- Public-Private Partnerships / Co-Investors
- Structure & Leverage Industry-University R&D
- Use-Inspired R&D
- Accountability: Results Measurement
- Independent Agent

Ireland Story

Success Factors:

- Independent Partnership Agent (SFI)
- Strategic Focus
- Researcher/University “Buy-In”
 - Open Competition, Transparency
 - Attract the Best: *funding & cutting edge*
- Expert/Peer Review: *“best in class”*
- Funding for Overhead/Indirect Cost

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Ireland: Interdisciplinary R&D

- Centres for Science, Engineering & Technology (CSETs)
- Industry & Universities Equal Partners
- Strategic Focus
 - Economic Value
 - Competitive Advantage

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Ireland: Results

- Intel Initiated Research Partnership with Trinity College Dublin (TCD)
- Other CSETS – Similar University Partnerships with Multinational BIO & ICT Companies
- New Companies – Innovation Spin-Offs
- Recognized Economic Value, Competitive Advantage
- Universities Advance on World Rankings

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Model: Adapt & Apply

- Partnership Agent – SFAz
- World Class Board of Directors
- Public/Private Partnerships
- Adapt: Arizona Assets, Existing Industries
- Strategic Research Groups, New Companies:
 - Mineral Resources, Solar, Algae (Heliae), Aerospace, Biomedical, ICT
- Education: Science, Technology, Engineering, & Mathematics Initiatives

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Elements of Success

- Independent Broker Experience Essential
 - SFI, SFAz
- Internationally Recognized Board of Directors & CEO
 - Accountability, Peer Review Throughout
- Strategic Focus
 - Use-Inspired Research
 - Adapt to Economic & Research Priorities
- Measurable Results
 - Economic, Commercial Innovation
 - World Scale Advances for Research Institutions
 - New Agility, Entrepreneurial Skills in University Engineering & Applied Sciences
 - Exceptional Talent Available to Industry