



January 31, 2011 Las Vegas, NV

Presented by: Richard A. Bendis President and CEO Innovation America





NBIA Hot List Of Topics

- Equity and royalty agreements with client companies.
- What works in coaching/advising/ consulting clients.
- Moving a clients commercial progress forward more effectively.
- There is interest in more effective university tech com
- Attracting clients, sponsors, donations, etc.
- Funding options for start ups
- Kitchen incubation







The Global Innovation Imperative

- Innovation is Key to Growing and Maintaining a Country's Competitive Position
- Collaboration among Small and Large Businesses, Universities, and Research Institutes is Essential
- •New Institutions and New Incentives, are increasingly important to support collaboration and foster innovation
- Competitive advantages are increasingly tied to human capital and innovation
- Economic growth is closely related to:
 - •Education/Workforce—Energy--climate change—environmental--natural resource & geopolitical issues



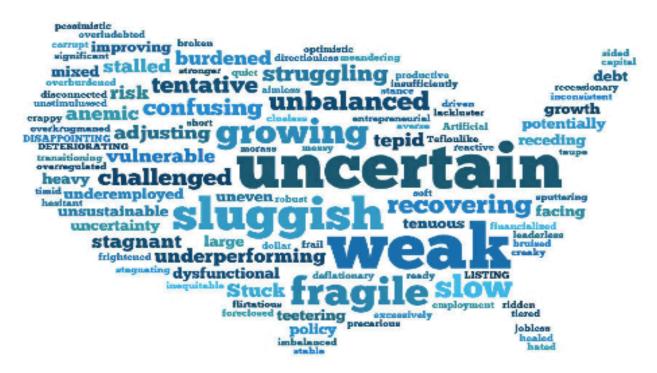
INNOVATION MATTERS





The U.S. Economy Today?

How do you assess the overall condition of the U.S. economy right now? (open text response)

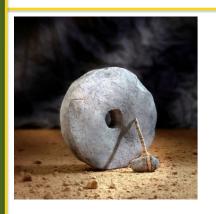


[Kauffman Economic Outlook-2010 Q4]





What Is Innovation?











- Radical Innovation: a new product, process, or system that replaces its accepted predecessor and renders it obsolete.
- Ideation is applied knowledge; Creativity is applied ideation;
 Invention is applied creativity; and Innovation is the successful commercialization or adoption of radical invention
- Innovation results when a new approach is applied to an old problem that makes lasting and far-reaching changes in behavior
- "A new match between a Need and a Solution"





Why Is Innovation Essential?

"INNOVATION DISTINGUISHES BETWEEN A LEADER AND A FOLLOWER."

-STEVE JOBS







Innovation Economy: Definitions & Terminology

- Knowledge is the confident understanding of a subject, potentially with the ability to use it for a specific purpose
- Knowledge economy is based on creating, evaluating, and trading knowledge
- Innovation is the creation and transformation of knowledge into new products, processes, and services that meet market need.....and interactions, entertainment forms, and ways of communicating and collaborating







Innovation Ecosystem

Knowledge Creation

Basic & Translational Research

Proof of

Concept

Human Networks

"INTERACTION FIELDS"

Education/ Human

Resources

Networks of Funds

Regional Clusters

University-Industry Collaborations

Incubators

IP Strategies

Jobs

Wealth Creation

New Products & Services

New Markets

Companies

Proof of Relevance

The concept of the innovation ecosystem stresses that the flow of technology and information among people, enterprises and institutions is key to a vibrant innovation process.





Global Innovation Network



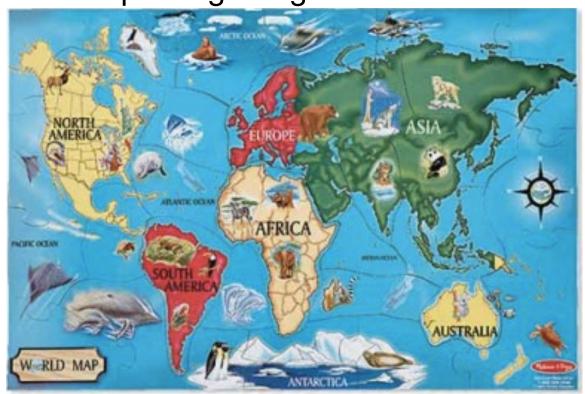




The New Locational Competition

Definition: The competition for economic activity

Intense and growing competition among nations and regions for well paid jobs and improving living standards......



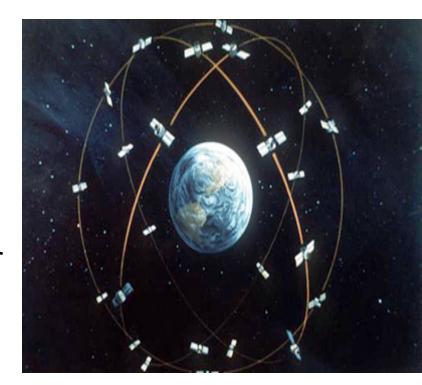




The Global Innovation Imperative

Key Points:

- Innovation is Key to Growing and Maintaining a Country's Competitive Position in the Global Economy and to address Global Challenges
- •Collaboration among Small and Large Businesses, **Incubators**, Universities, and Research Institutes is Essential for Innovation—
- •New Institutions and New Incentives, are increasingly important to support collaboration and foster innovation







How Leading Nations Responding to the Innovation Imperative?

They are providing four things:

- High-level Focus
- Sustained Support for R&D:
 Leveraging Public and Private Funds
- Support for Innovative SMEs
- New Innovation Partnerships to bring new products and services to market

Note: Many countries are investing very substantial resources to create, attract and retain industries in leading sectors

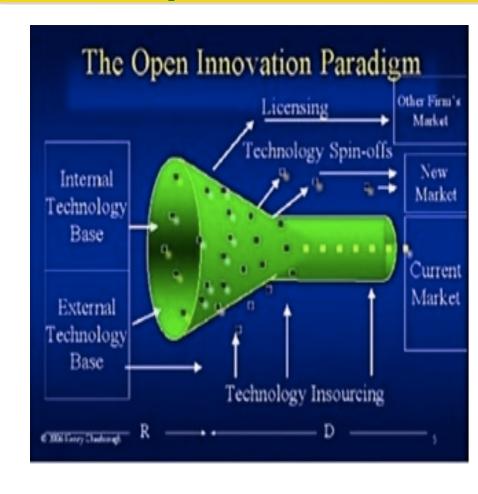






Open Innovation

Open innovation is what happens when big companies collaborate on a large scale with outsiders university researchers, suppliers, small tech start-ups - to get new products or services to market.

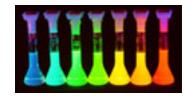






Implementing a New Innovation Paradigm

- Willingness to deviate from traditional and parochial perspectives
- Encourage public investment and risk taking
- Developing trust through collaboration
- Ensuring the paradigm is responsive to partners' missions
- Building consensus of all constituents through education, participation, and positive outcomes
- Move from technology-based economic development to Innovation-Based Economic Development (IBED)







Realities, Opportunities & Innovations for the Next Decade

- Continued fiscal difficulties
- Sorting out of the capital markets
- More opportunities for entrepreneurship
- China as a potential market if consumers spend
- Reshaping of manufacturing
- New tech frontiers (e.g., alt energy, climate change)
- Continued growth of open innovation
- Workforce issues among the U.S. and global populations
- INNOVATION is essential to remain competitive





Public/Private Partnership

- Progress is promoted by strong industry, government and university leadership
- Sustained by dynamic public/private partnerships
- These leaders create new, responsive models of governance







Government's Role in S&T

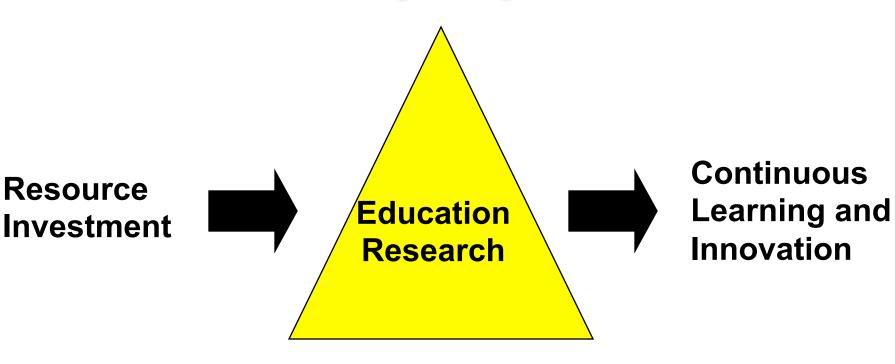
- Long term vision and planning
- Identify gaps and trends in science, technology and innovation
- Be a catalyst through strategic investments and partnering
- Develop a balanced and flexible innovation capital investment portfolio
- Encourage private sector innovation
- Establish performance-oriented innovation-based economic development strategy and implementation plan





The Role of Academia

Knowledge Integration



Knowledge Creation

Knowledge Transfer



Resource



The Role of Industry: Wealth Creation

Capitalism is a Process of Creative Transformation

"The interaction of technological innovation with the competitive marketplace is the fundamental driving force in capitalist industrial progress."



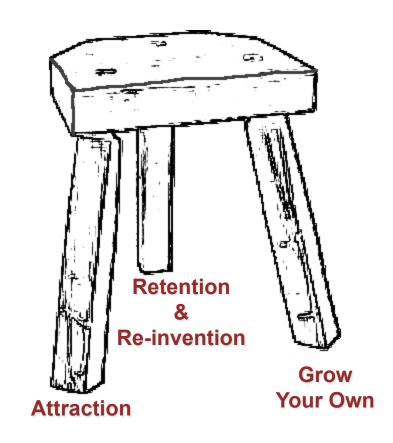
Joseph A. Schumpeter, 1942





Economic Development

- Economic Development is a threelegged stool:
 - Attraction
 - Retention & Re-Invention
 - Grow Your Own
- IBED requires patience and persistence, continuity and consistency.
- Working with early-stage companies takes time.
- A balanced portfolio economic development strategy is best!







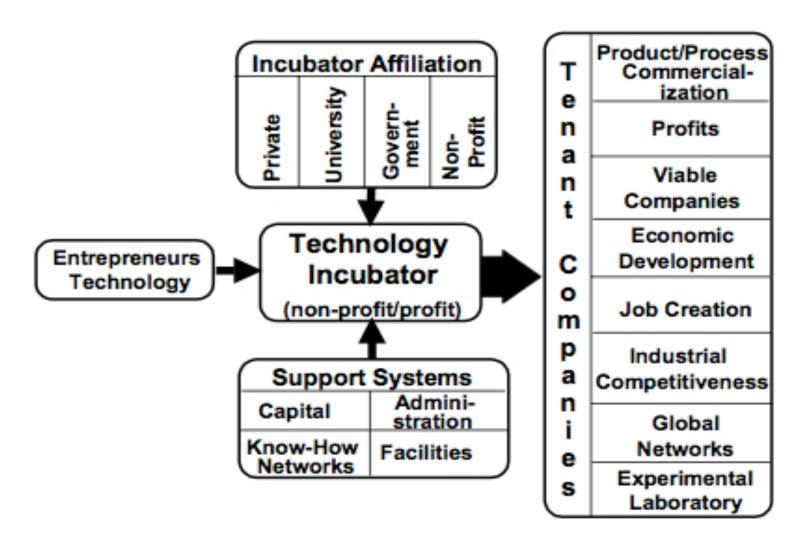
Innovation's Future is Determined By the Present







Basic Components of Technology Incubators







Incubation – The Trend

1959: 1st incubator - Batavia, New York

1980: 12 incubators in the United States

1985: NBIA formed

1990: Dotcom boom, VC's began in-house incubator programs to grow their own companies to invest in

1995: Innovation & Commercialization Centers

2000: The Bubble Burst some incubators disappear

2010: The emerging accelerators & bootcamps











Business Incubation Today

- •41,000 startups using 1,200 incubators across the U.S.
- •Incubator company survival rate after **5 years = 87%**
- Non incubator survival rate = 44%
- •2009 EDA invested \$80.7 million in incubators which produced 8,746 jobs



Source NBIA & Bloomburg Businessweek



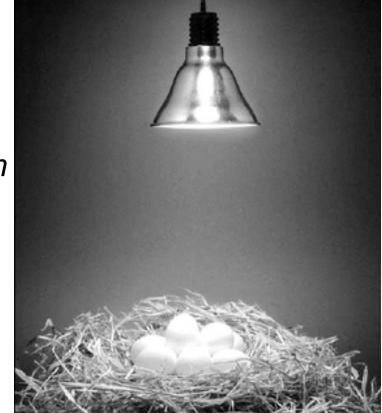


Innovative Incubation - Incubation Collaboration Program

Cross-incubator network and resource sharing among regional incubators

Collaboration includes:

- Technology sourcing
- Universities sources of innovation
- •IP or licensing counseling
- Patent analysis and application
- •Implementation of transferred technology
- Training programs







Incubators in the Regional Ecosystem

- **Tenants**: it enhances the chances of survival 3X-4X as compared to a start-up outside the incubator
- Governments: helps overcome market failures, generates jobs, incomes and taxes, and becomes a demonstration of the political commitment to small businesses
- •Research institutes and universities: helps strengthen interactions between university- research-industry, promotes research commercialization, & gives opportunities for faculty/graduate students to better utilize their capabilities,





Early stage business development.





Incubators in the Regional Ecosystem

For business: develops opportunities for acquiring innovations, spin-offs, & helps them meet their social responsibilities,

For the local community: creates self-esteem, entrepreneurial culture together with local incomes as a majority of graduating businesses stay within the area.

For the international community:

generates opportunities of trade and technology transfer between client companies and their host incubators, a better understanding of business culture, and facilitated exchanges of experience through associations and alliances.







Why Incubators Work

- Creating jobs
- Development of innovative ideas
- Diversification of local economy
- •Generate wealth through the creation of a vibrant small business sector.
- Shared basic operating costs
- Consulting & administrative assistance
- Access to Capital
- Legitimacy in the community
- Universality of incubator concept
- Comradeship of fellow entrepreneurs







INC. Magazine: 2009

Incubation Nation: Where Great Ideas Are Born

Seattle

Microsoft alum incubate start-ups

Corvallis, OR

Entrepreneurial academics inquire within

Boulder

Summer camp for promising start-ups

Salt Lake City

Subsidized lab space for techies

Oklahoma City

Funding at every stage of development

Kansas City, KS

Everybody get a mentor!

Austin

Ten weeks of advice from 20 mentors

Phoenix

Plans to assist 2,000 start-ups

San Diego

First incubator for early-stage tech firms

Kona, HI

Harnessing the sun and sea for profit



Detroit

New ventures grow in GM's shadow

Cleveland

Seed funding for minority CEOs

Madison, WI

Tech transfer in Dairyland

Fargo, ND

A patron funds a vaccine corridor

Rochester, NY

Business prodigies get their own dorm

Suffolk, VA

A nexus of government contractors

Birmingham, AL

Some 140,000 square feet of innovation

Ridgeland, MS

Funding for 125 startups in one year

Atlanta

Building on ideas from six universities

New Orleans

How about your own MBA team?

Key Difference Between Incubators and Accelerators

Incubators - incubators allow for slower growth, although they typically have some requirements as to how long companies can remain in the incubators before they graduate.

Accelerators - as their name implies, focus on an intense, bootcamp-like experience to get new businesses up and running in a matter of months.







New Entrepreneurial Acceleration Programs

Mentorship programs:

- Help startups ideate
- Form founding teams
- Build initial products
- Provide seed capital
- Provide office facilities
- Mentoring
- Guest lectures













Y Combinator - California

- Developed a new model of startup funding in California
- Funded over 250 start ups
- •2X a year invest a small amount of money (average \$18k) in a large number of startups
- •Startups move to Silicon Valley for 3 months, during which the "Y" team work intensively with them to get the company into the best possible shape and refine their pitch to investors.
- Each cycle culminates in Demo Day or Funding Day
- YC Alumni Network provides ongoing support





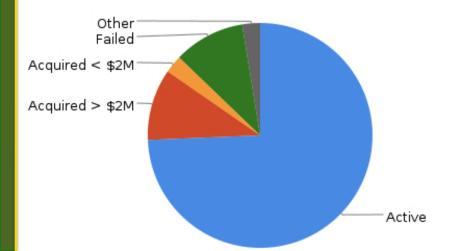


Techstars -Boston, Boulder, Seattle & NYC

- •\$18,000 in seed funding for the start-up company
- Opportunity to pitch to hundreds of angel investors and venture capitalists at the end of the program
- Exceptional mentoring program

TechStars Overview

Status	Number of Companies
Active	27
Acquired > \$2M	5
Acquired <= \$2M	1
Failed	5
Other	1



Percentage 69.24% 12.82% 2.56% 12.82% 2.56%



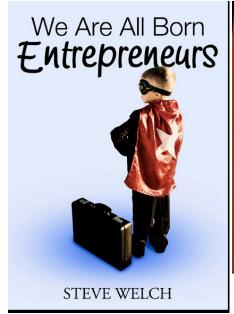




Dreamlt Ventures – Philadelphia – New York









In the last 3 years, DreamIt entrepreneurs have raised \$4 million from Google Ventures, appeared on ABC's Shark Tank and been selected as finalists at the TechCrunch50.





Kansas PIPELINE

- •To identify talented and entrepreneurial Kansans, match them with best-in-class:
 - Training
 - Resources
 - Mentors
 - Facilitate their dynamic growth in Kansas
- •To utilize the momentum and substance of the program to aggressively develop the entrepreneurial ecosystem in Kansas that is essential to sustained entrepreneurial activity and expansion.



KTEC'S ENTREPRENEURIAL FELLOWSHIP



- Highly Selective.
- 10 innovators in the inaugural year.
- One-year comprehensive program.
- Participate while creating company or creating product and/or concept.
- \$36,000 stipend for discretionary use while exploring opportunities for a startup technology venture.





European Seed Camp

- •Jumpstarts the entrepreneurial community in Europe by connecting next generation developers/entrepreneurs with a top-tier network of over 400 mentors
- Seedcamp Week Intensive week-long event held in London every September and is targeted at young entrepreneurs
- •Micro seed fund to invest in startup companies €50.000 for 8-10% equity
- •Funded companies are hosted in London for 3 months to grow and develop their company



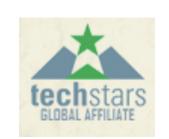






Startupbootcamp - Denmark

•startupbootcamp is a European startup accelerator affiliated with Techstars





- •Startup cash €4,000 per team member in micro capital.
- Access to our 75+ mentors serial entrepreneurs and experts
- •10 teams joining for 3 months of acceleration until Investor Day.







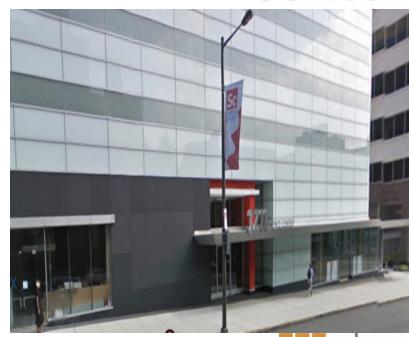
University City Science Center – Philadelphia & Delaware

- 1st and largest urban research park in the United States
- •2 million sq. ft. Science Park
- •60K sq. ft. wet lab incubator space
- •Full service bioscience incubator
- Successful Int'l "Soft Landing Program
- QED Proof of Concept Fund
- Hosts DreamIt Ventures
- •32 Shareholder universities











Kansas Innovation and Commercialization Centers

The Bioscience and Technology business Center at University of Kansas serves:

- Spin-out companies commercializing research developed at KU researchers
- Emerging private-sector companies
- Large companies collaborating with KU researchers
- •Small-scale pharma manufacturers seeking GMP ready space









ICC's Expand the Life Cycle

Investment Grade Technologies

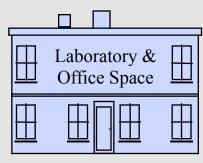
Development Risk

- Applied ResearchProject
- Innovation
- •Development
- Risk
- Market Risk
- ManagementRisk
- •Growth Risk

Innovation and Commercialization Corporations

Independent 501(c)(3) not-for-profit
Independent Board of Directors
President with commercialization experience
For Profit Seed Capital Funds

- •Business Plan Consulting
- •Financial Expertise
- •Management & Operations Consulting
- •Marketing & Sales Strategies
- •Guidance in Accessing Financing
- Training
- Market Research
- •Due Diligence
- •Technical Review



General Incubator Services

Quality Investments

Start-up Company

•Market Risk

Seed Capital

- Market Risk
- Management Risk
- Growth Risk







Innovation & Commercialization Centers

ORGANIZATIONAL STRUCTURE Kansas Commercialization Corporations

Commercialization Corporation

Not-For Profit 501 (c)(3)

Oversight

13 Member Board of Directors 4 appointed by KTEC of which 2 are legislators 4 appointed by local sponsor

4 appointed by the University 1 KTEC staff (ex officio)

Representatives of other sponsors may also serve ex officio

May provide laboratory and/or manufacturing space for start-ups, may have contractual relationship with the university for technology transfer support, works closely with KTEC Centers of Excellence, provides office space and management assistance to technology-based start-ups. Contracts for support services from the for-profit management company.

Employees

None

Sponsors graduate intern students

Officers

(non-compensated) President - same as president of the for profit management company

Funding Sources

KTEC Support City and County Governments University Research Foundations Not-For Profits Intern Funding Foundations

Partners: KTEC, Local Sponsor, S

University

Support Services

Management Company

For-Profit "C" Corporation

Oversight

3 Member Board of Directors

representing KTEC

representing the

Commercialization Corporation

representing the University

Function

By contract, the Management Company provides staffing, management and technical support to both the Commercialization Corporation and the Limited Liability Company, and any other affiliated companies or clients

Employees

President

1-3 Professional Staff

1 Administrative Staff

Funding Sources:

Commercialization Corp. Support Client Fees University Grants Profit Share from the LLC Miscellaneous, including rent

Holding Company

Limited Liability Company

Oversight

Investment Review Committee Representatives of the Investors in the Fund (KTEC, local sponsor, University) President of the Management Co. (non-voting)

Fund Manager

The Management Company represented by its President

Function

A perpetual pre-seed and/or seed investment fund for technology-oriented start-up companies, including technologies which are developed by researchers at the universities that require the business expertise of the Management Company which will benefit the specified regions and the state of Kansas

Contracts for management support services from the Management Company. Upon fund disbursements, the profits are divided accordingly; 80% to the fund investors; 15% to the Management Company; 5% to the Management Company president, and/or key management staff.

Employees

None

Funding Sources

KTEC Support City and County Governments University Research Foundations Other Support

U.S. State Innovation Programs





























Innovation 2 Enterprise - Oklahoma

- •Private not-for-profit Oklahoma corporation focused on wealth creation by growing the technology-based entrepreneurial economy.
- •Works directly with entrepreneurs, researchers and companies to assist in help them commercialization of technologies, launch and grow new businesses and access needed capital.
- Funding
 - Proof of Concept Fund
 - Seed Capital Fund
 - Angel Network







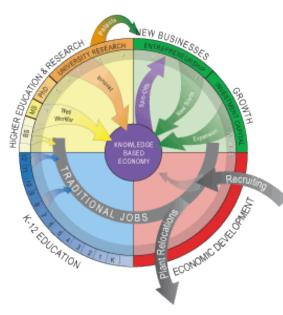




Kansas Bioscience Authority

- \$581 million state-funded independent bioscience TBED organization
 - \$75.5 million program budget; \$3.5 million operating budget
 - 18 employees (8 "deal" people)
- Investment priorities
 - Expand the quantity and quality of bioscience research
 - Focus on the commercialization of bioscience discoveries
 - Foster formation and growth of bioscience companies
 - Position Kansas for international leadership in key clusters









Pennsylvania's Industry Clusters







Technology Investment

Tec	chnology-based E	conomic Developm	ent Tools Along th	ne Continuum	> ready > set > succeed
Revenue & Employees	Concept :	Formation	Growth	Maturity	: Reinvention
	Ben Franklin Technology P	Partners		:	: /
	BFTDA Technology Grants			1	
			BFTDA/TSIB Venture Prog	grams	. (63)
	BFTDA University Program	n :			
	Center for eBusiness and A	Advanced IT .			
	CURE Program	:			:
	Idea Foundry			1	:
	:		Industrial Resource Cente Innovation Partnership	rs	•
	Keystone Innovation Zone	s / Innovation Grants	Innovation Partnership	1	:
	Life Sciences Greenhouse	Initiative :		1	:
eve	:	New PA Venture Guarantee P	rogram	1:	:
8		New PA Venture Investment	Program	į.	
	PA Initiative for Nanotechi	nology			
	:	PA Technical Assistance Prog	gram		·
		Pennsylvania Angel Network		i.	•
		R&D and KIZ Tax Credits			
	Technology Collaborative			:	:
	·			:	:
	Pre-seed .	Seed	Series A	Series B/C	Mezzanine

Ohio Third Frontier

Ohio Third Frontier Innovation Creating Opportunity

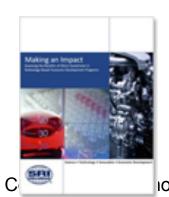
The Ohio Third Frontier represents an unprecedented and bipartisan commitment to expand Ohio's technological strengths and promote commercialization that leads to economic prosperity throughout Ohio. Designed to build world-class research programs, nurture early-stage companies, and foster technology development that makes existing industries more productive, Ohio Third Frontier creates opportunity through innovation.

"Ohio's \$700M Third Frontier initiative is a comprehensive, professionally run effort to build world-class research capacity, promote interaction between research and industry, and commercialize R&D." -

National Governor's Association and Pew Center for the States





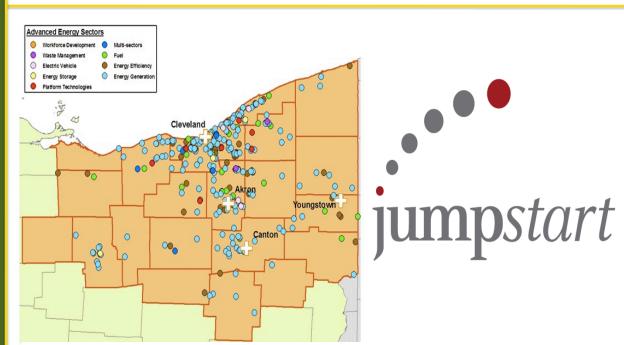








Northeast Ohio U.S. Regional Ecosystem













JumpStart Ohio

- JumpStart Entrepreneurial Network:
 - •Intensive entrepreneurial development assistance to Northeast Ohio entrepreneurs leading high potential, early-stage companies by delivering:
- Venture Partners and Entrepreneurs-in-Residence programs through incubators.
- •JumpStart Ventures:
 - Seed Capital Fund
- Jumpstart Inclusion Advisors
 - High impact minority and women-owned businesses

















BioEnterprise – Cleveland

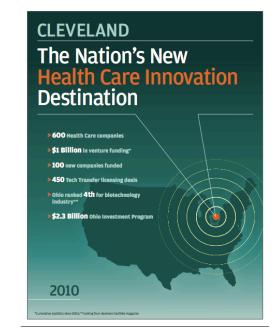
BioEnterprise

BioEnterprise

 Business formation, recruitment, and acceleration initiative designed to grow health care companies and commercialize bioscience technologies.

BioEnterprise provides companies with:

- •Experienced bioscience management guidance
- Privileged relationships with world-class research and clinical institutions
- Access to bioscience venture capital and private equity firms
- Business development and alliance support
- Network of regional network of business capabilities



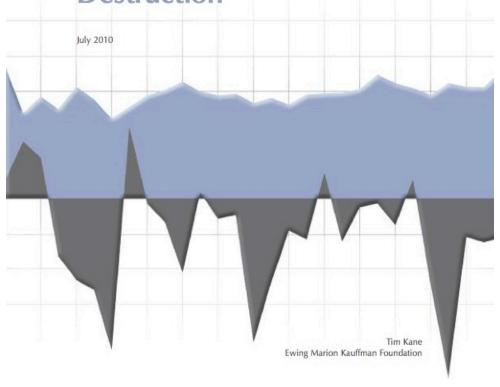




Job Growth in U.S. Driven Entirely by Startups, According to Kauffman Foundation Study

Kauffman Foundation Research Series: Firm Formation and Economic Growth

The Importance of Startups in Job Creation and Job Destruction







Small Business



• "On average and for all but seven years between 1977 and 2005, existing firms are net job destroyers, losing 1 million jobs net combined per year. By contrast, in their first year, new firms add an average of 3 million jobs," the study reports.

Kauffman Foundation

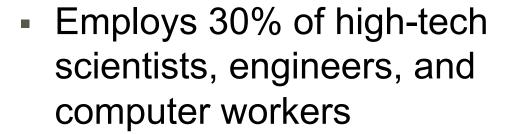
Source: Research Series: Firm Formation and Economic Growth





SME's

 Generates 60 to 80% of net new jobs annually





 Produces 13 to 14 times more patents per employee than large firms









SME's and Patents

FACT:

A company with 25 employees generates:

- More patents per employee than a company with 50
- •Which produces more patents than a company with 100.

FACT:

- •Corporations of 10,000+ employees file for more patents per employee than a company with 50,000 people.
- •Small businesses invent at a rate faster than large businesses.







Jobs! Jobs! Jobs!

Does Seed Investing REALLY Create Jobs?







Public Investment In Job Creation

Category	CDVCA*	State of PA	State of MI	State of UTAH	Stimulus Bill
Funds Invested	\$26M	\$90M	\$291M	\$60M	\$800B
Jobs Created	3.700	8,150	28,854	2,047	1,000,000 To 4,000,000
\$ Per Job Invested	\$7,100	\$11,000	\$11,728	\$29,300	\$800,000 To \$200,000

^{*}Community Development Venture Capital Association





Traditional & Innovation-Based Development

 Competitive Basis **Traditional**

Natural resources
Highways / Rail
Proximity
Costs

Innovation (Clusters)

Specialized talent
Networks, information
University research / professors
Market understanding
Global Reach

i.e. PHYSICAL

 Key values / offerings Business parks Incentives

Lead Organization

Chambers / EDCs





Access to research
Workforce competencies
Lifestyle



Economic developers

Innovation Intermediaries





What is An Innovation Intermediary?

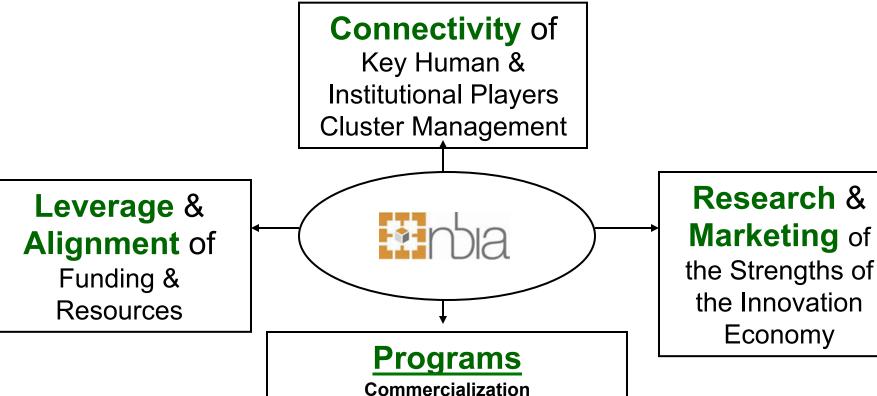
An Organization at the Center of the region's, state's or country's efforts to align local technologies, assets and resources to work together on advancing Innovation.

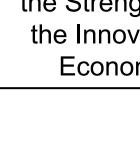






21st Century Innovation Intermediary









Direct Investment

Angel Capital SBIR Programs Technology Mining / Intellectual Property Programs

Innovation Intermediary Commercialization Structure

Investigation	Technical	Market	Business					
Proof of Concept	Technology Concept Analysis	Market Needs Assessment	Venture Assessment					

Technology Feasibility

Engineering Prototype

Pre-Production

Prototype

Production

Production Support

Market Study

Strategic Marketing

Market Validation

Sales and Distribution

Market Diversification

Economic Feasibility

Strategic Business

Business Start-Up

Business Growth

Business Maturity

Plan

Development Phase

Commercial Phase

Full Scale Production

Feasibility

Planning

Introduction

Maturity

Intermediary Best Practices

- Longevity
- Bipartisan Support & Champions
- Independent Organizations
- Continuous Reinvention
- PRIVATE SECTOR LEADERSHIP
- Understand Return On Investment
- Sustainability In Funding
- Accountable
- Innovative
- Effective Leadership







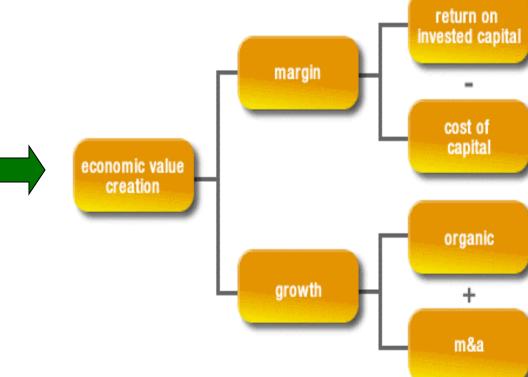
Innovation Paradigm Shift

PROOF OF CONCEPT (Technological Feasibility)

"It Works!"

PROOF OF RELEVANCE
(Market Pull)
"I'll Buy It!"

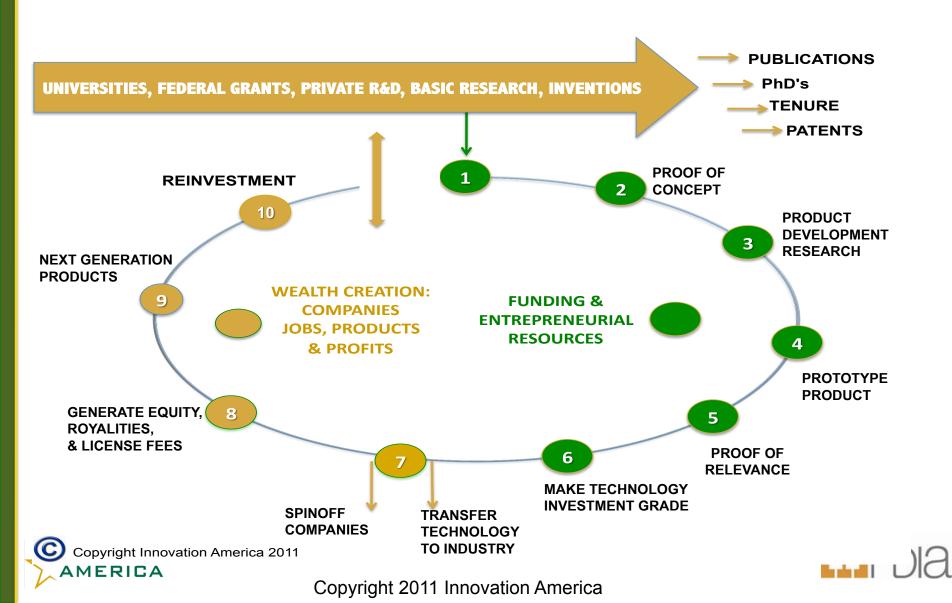






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Innovation America Commercialization Model

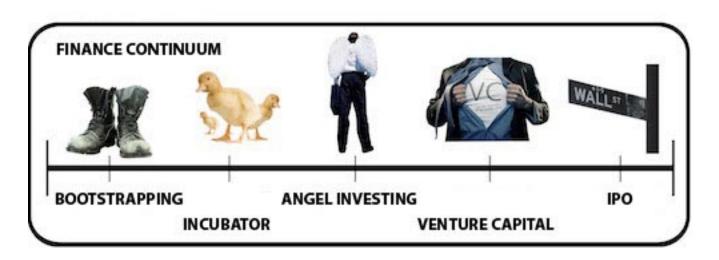








The Innovation Finance Continuum









"The Perfect Storm"

Reduced Angel Activity

- Angel Investors reduced their investments by over 9.0% in 2010
- Availability of investment capital among angels decreased dramatically by 6.5% in 2010

Venture Funding Moving Downstream

- The average investment by venture firms last year was \$8.4 million per investment and only about 4% of the capital went to early-stage companies.
- Q4 2010 5% increase in \$ invested and 3% decrease in deals from Q4 2009

State TBED Budgets Decreasing

46 states have budget deficits

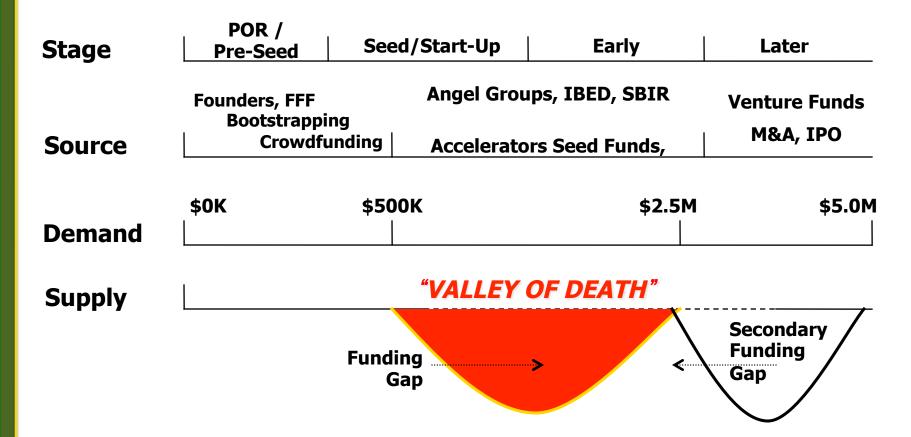
SBIR NOT REAUTHORIZED YET & TIP UNDERFUNDED





Innovation Capital Valley of Death

"VALLEY OF DEATH"



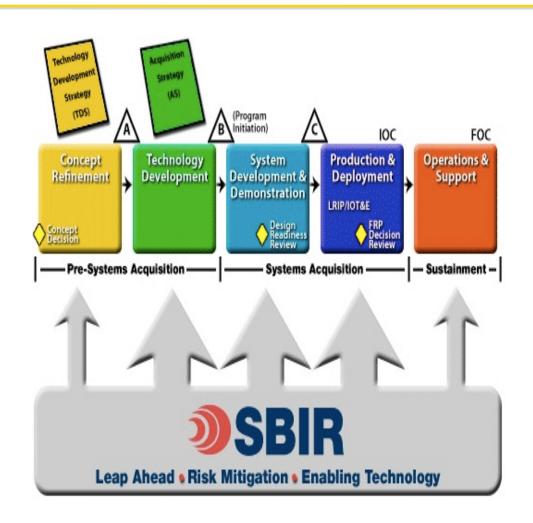




SBIR vs. VC Early Stage Investments 2009

SBIR/STTR = \$2.5B

VC = \$1.7B







Bootstrapping

The term comes from the German legend of Baron Münchhausen pulling himself out of the sea by pulling on his own bootstraps.



Definition: "The act of starting a business with little or no external funding"





Minnesota's Angel Tax Credit

Provides incentives to investors or investment funds that put money into startup and emerging companies focused on high technology or new proprietary technology.

Provides a 25%individual income tax credit for qualified investors

Is refundable.

- •Non-Minnesota residents (including residents of foreign countries, are eligible for the credit)
- Maximum credit of \$125,000 year/individual
- Maximum credit of \$250,000 married/filing jointly
- •Funding for the years 2011-2014 is set at \$12 million per year.
- Businesses get the capital they need to grow
- •Investors can manage the risk associated with investing a in new businesses or technology
- •Minnesota workers and the state's economy benefit because the tax credit kick-starts emerging businesses and creates jobs.









Tennessee Investco Program

- •Provides no less than \$140,000,000 of financial capital to be invested in small businesses in Tennessee
- Funded by deferred insurance premium tax credits
- Focused on early stage, equity investments
- Targeting high-growth companies for "transformational" outcomes
- •10 new professionally managed private sector funds
- •Creates the opportunity for financial return to state government
- Access to Capital:
- •A New Program..... A New Approach...













New Popular Venture Financing Programs

Super Angels:

Provide capital and guidance to:

- Hire non-founder employees
- Further product development
- Market the initial product (usually to early adopters) and
- Raise follow on VC funding.



Illustration by Frank Chimero





Crowdfunding

Crowdfunding—as its name implies—aims to reach a funding goal by getting many investors to put in small amounts.





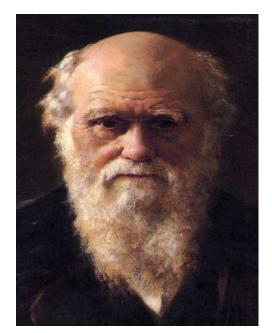


Change Is Inevitable

"It is not the strongest of species that survive, nor the most intelligent, but the ones most responsive to change."

-Charles Darwin











What Is A Road Map.....Why Is It Needed?

- •A roadmap answers the question "Where do we want to be and how to we get there?"
- •A cluster roadmap *provides strategies and action* plans to best *achieve a vision of the future shared by a critical mass* of industry-related organizations.
- •The strategies and action plans are developed according to the unique strengths of the cluster and region as compared to a global market opportunity.



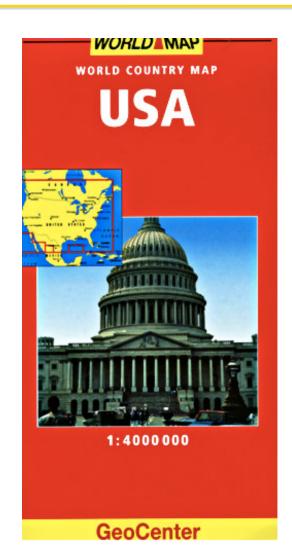




Key Innovation Road Map Elements

- Asset Mapping
- 2. Cluster analysis
- 3. Innovation Benchmarking (Peer 2 Peer)
- 4. Innovation and Entrepreneurship resource identification
- 5. Innovation Economic Development organizational analysis and matrix
- 6. Gap Analysis (programs & services)
- 7. Public policy recommendations
- 8. Strategic Plan with Recommended organizational structure, governance, budget and funding sources (Private Public Partnership)
- 9. Organizational leadership and staffing
- 10. Program portfolio/implementation
- 11. Economic Impact Analysis
- 12. Branding and Market Research

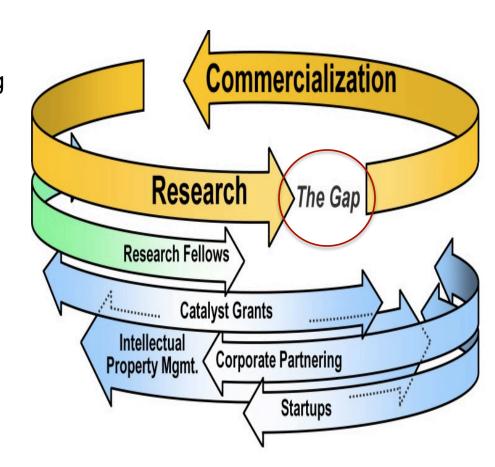






Step 6: Innovation Road Map Elements -Gap Analysis (programs & services)

- Gap analysis helps to define what resources (including new programs and repurposed dollars from existing programs) are needed to bridge current and future gaps either slowing down or stopping growth in targeted areas of the innovation economy
- The gap analysis process involves
 determining, documenting and
 approving the variance between
 business requirements and current
 capabilities. Gap analysis naturally
 flows from benchmarking and other
 assessments.
- Do incubators fill a gap?







Collaborative Innovation Network

Definition: Collaborative innovation begins when companies come together to solve problems and/or develop customer- centric solutions that are beyond the scope, scale or capabilities of the individual companies.

Trend #1: Collaborative Innovation

Innovation has moved from an individual, organizational sport to a federation sport

Trend #2: Third-Party Enablers

Increasingly, outsiders and third parties, often in the form of business incubators or accelerators, are enabling innovation.

Trend #3: The Changing Role of Government

government has identified major industry sectors where business as usual is no longer satisfactory. The obvious examples are energy, healthcare and infrastructure







NBIA Hot List Of Topics

- Equity and royalty agreements with client companies.
- What works in coaching/advising/ consulting clients.
- Moving a clients commercial progress forward more effectively.
- There is interest in more effective university tech com
- Attracting clients, sponsors, donations, etc.
- Funding options for start ups
- Kitchen incubation







Implementing Innovation Connectivity

Effective Intermediaries strive for the 5C's of INNOVATION CONNECTIVITY:

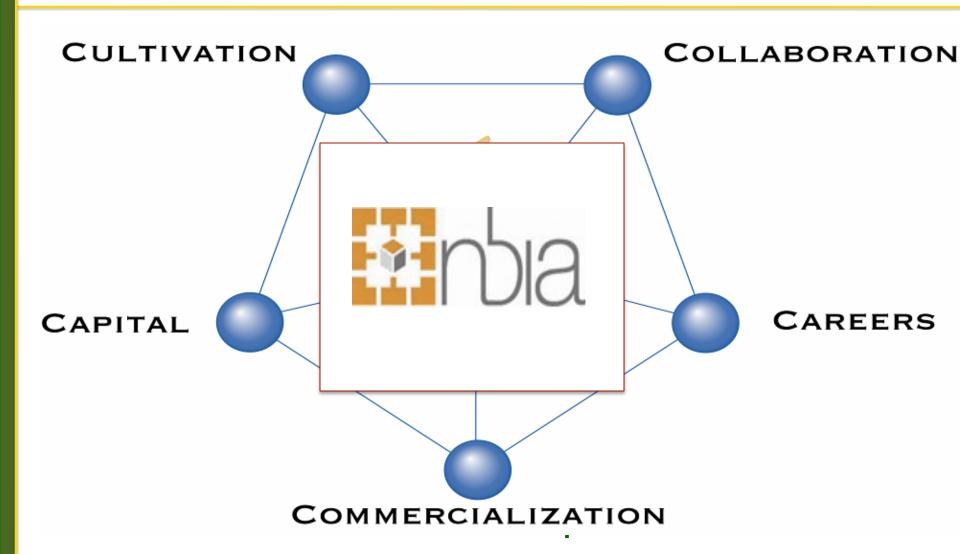
- Cultivation
- Collaboration
- Capital
- Careers
- Commercialization







Innovation Paradigm







Next 5 Years in Acceleration/Incubation

"A few hundred more accelerators will open. Accelerators are less likely to be funded by VC's & more likely to be backed by groups of angel investors. Angels are more likely to be experienced entrepreneurs who can provide more meaningful mentoring"



--- David Cohen is the founder and CEO of TechStars

•Business Incubation is not an intervention, but rather a cross-cutting process embracing a range of components including business and entrepreneurial support and finance.



•Business Incubation practitioners are primarily leaders, not just managers, in that they create an environment where others succeed



•Success is measured by the success of Business Incubation client companies and the impact on the wider economic and social environment and community
---Global Business Incubation Network (GBIN)





The New Tasks of Innovation Leaders

- 1. Be Proactive
- 2. Begin with the End in Mind
- 3. Seek First to Understand, then to Be Understood
- 4. Put First Things First
- 5. Think Win-Win, Be Inclusive
- 6. Synergize
- 7. FOCUS







Bill Gates - Microsoft

"Never before in history has innovation offered promise of so much to so many in so short a time."













innovationDAILY



Richard Bendis is an accomplished entrepreneur, corporate executive, venture capitalist, investment banker, technology-based economic development leader, international speaker and consultant in the technology, health-care and innovation development industries.

Bendis is the founding president and CEO of <u>Innovation America</u>, a national private/public partnership focused on accelerating the growth of the U.S.

entrepreneurial innovation economy. He also founded the Bendis Investment Group, a financial intermediary and consulting firm. Bendis recently provided interim CEO consulting services to the National Association of Seed and Venture Funds and strategic growth and repositioning services to the Pennsylvania Biotechnology Center.

To read the full, original article click on this link: Events - National Business Incubation Association



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Richard A. Bendis
President and CEO
Innovation America
2600 Centre Square West
1500 Market Street
Philadelphia, PA 19102
(215) 496-8102
rbendis@bendisig.com



www.innovationamerica.us/www.innovationamerica.us/daily