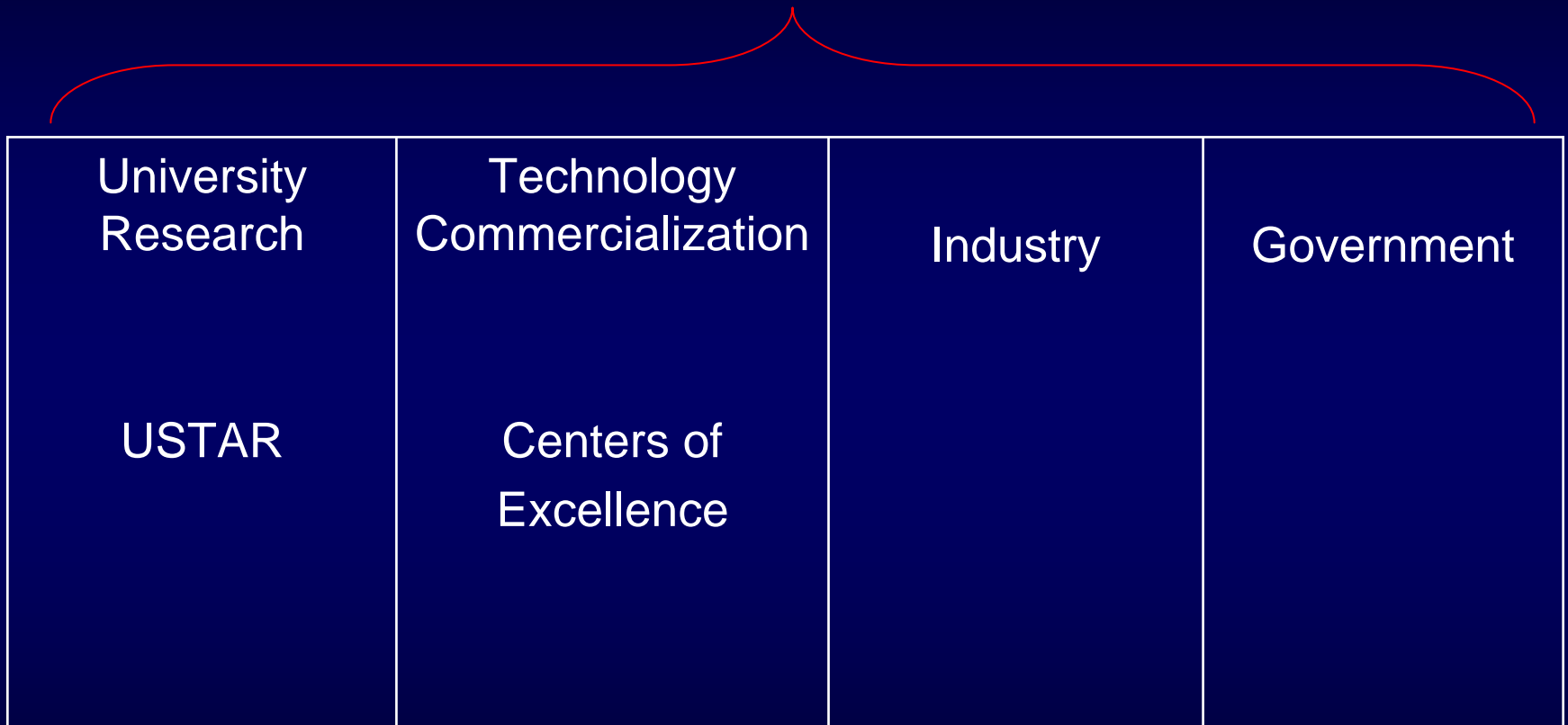


Governor's Economic Plan

- Corporate Tax Relief (Tax Reform)
- Regulatory Simplification (Business Facilitation)
- Economic Development Initiatives (Industry Cluster Development)
 - Develop Clusters
 - Entrepreneurial Development
 - Grow & Recruit Companies
 - Align Utah's Energy Policy
 - Increase Tourism



Cluster Alignment



Proposed Economic Clusters

- **BIOTECH**

- M: Personalized / Predictive Medicine
 - Genetics & Biomarker Development
 - Pharma Research & Clinical Services
- M: Medical Devices & Products
 - Delivery Systems
- E: Microbe Biotechnology
 - Environmental / Ag Tech & Remediation
- E: Cellular Systems (Nutrition Research, Infectious Diseases)
- E: Neuroscience-Brain Institute

- **IT & SOFTWARE DEVELOPMENT**

- E: Systems Management / Security
- M: Web Services
- M: Business Processing / Outsourcing / Call Centers
- E: FPGAs / ASIC Cores and Algorithms
- E: Digital Media & Entertainment Technology Dev.
- M: High Performance Computing
 - Simulation / Imaging / Modeling
- E: GIS Mapping

- **AEROSPACE**

- E: Composites & Advanced Materials
- E: Propulsion Systems
- E: Communications

- **DEFENSE & HOMELAND SECURITY**

- E: Smart Sensors & Autonomous Systems

- **FINANCIAL SERVICES**

- M: Industrial Banks

- **ENERGY & NATURAL RESOURCES**

- E: Energy Independence
- E: Mining & Mineral Technology
- E: Water Management

- **ENABLING & OTHER**

- E: Nanotechnology
- E: Advanced Manufacturing
- E: Logistics & Distribution Centers
- E: Personal Wellness
 - Nutraceuticals
 - Family Related Products
- M: Outdoor Recreation



State's Role in Fostering Sustainable Economic Clusters

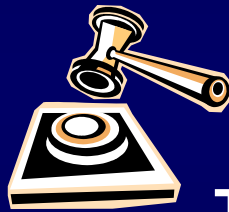


RESEARCH UNIVERSITIES

Centers of Excellence,
Engineering Initiative, USTAR

GOVERNMENT

Company Friendly
Laws, Regulations
Incentives



Them That Has...
Gets



INDUSTRY

Supporting Existing
Companies, Recruiting
Large Companies

HUMAN CAPITAL

Entrepreneur Dev.
Mgt. Recruitment

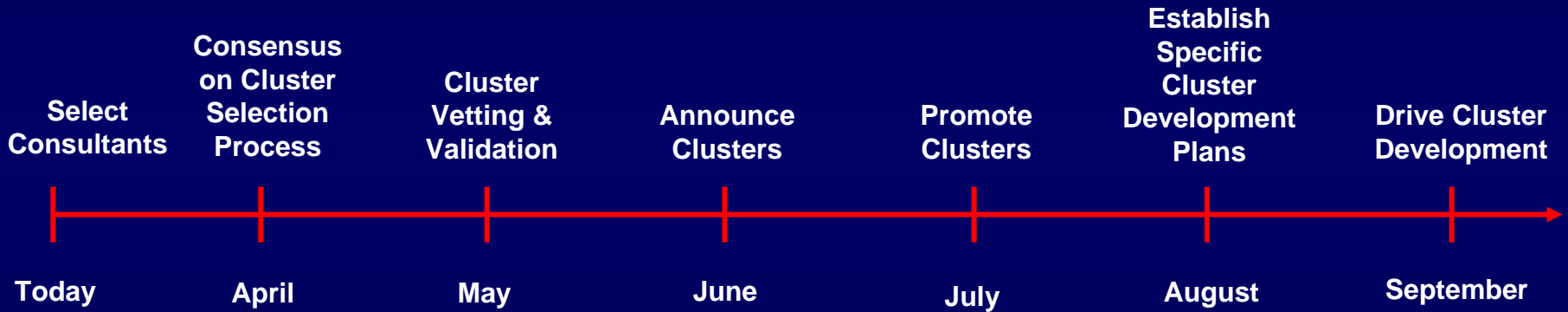


VENTURE CAPITAL

Fund of Funds



Proposed Cluster Development Timeline



Three Tier Approach

Tier 1

- State:
 - Recognizes clusters
 - Proactively drives initiatives for individual cluster success
 - Identifies & promotes business dev. opportunities

Tier 2

- Recognizes clusters
- Promotes company partnering & strengthening of the clusters
- Provides “Cluster in a Box”

Tier 3

- Recognizes areas as future potential clusters
- Provides “Cluster in a Box”



Cluster Ranking Methodology

		Industry Focus	
		Yes	No
University Focus	Yes	Tier 1	Tier 2
	No	Tier 2	Tier 3



Cluster Vetting Process

- ✓ Established Cluster Development Teams (weekly meetings)
 - ✓ Reviewed Chamber White Paper (25)
 - ✓ Reviewed Eco-Systems Data from Past Administrations
 - ✓ Benchmarked Other States
 - ✓ Met with Each University
 - ✓ Solicited Input from Public
 - Surveyed 1000 Tech Leaders
 - Surveyed Utah League of Cities & Towns
 - Surveyed Utah Rural Business Conference
- Currently Expanding “Buy-in List”
- Science Advisory Council
 - Utah Technology Industry Council
 - Industry Associations: UITA, ULSA
 - Centers of Excellence Advisory Council



Utah Economic Clusters

Focus on developing products and short-term commercialization leading to jobs

- 1- Aerospace / Composites / Advanced Materials / Propulsion Systems / Comm
- 1- Smart Sensors & Autonomous Systems
- 1- Personalized / Predictive Medicine
 - Genetics & Biomarker Development
 - Pharma Research & Clinical Services
- 1- Medical Devices & Products
- 1- Delivery Systems
- 1- Microbe Biotechnology
 - Environmental / Ag Tech & Remediation
- 1- Info Tech & Software Development
 - Systems Management / Security
 - Web Services
- 1- Energy Independence
- 2- Cellular Systems (Nutrition Research, Infectious Diseases)
- 2- Neuroscience-Brain Institute
- 2- Logistics & Distribution Centers
- 2- High Performance Computing
 - Simulation / Imaging / Modeling
- 2- FPGAs / ASIC Cores and Algorithms
- 2- Digital Media & Entertainment Technology Dev.
 - Video Games
 - Film Production
- 3- Natural Resources
 - Mining & Mineral Technology
 - Water Management
- 3- Business Processing / Outsourcing / Call Centers
- 3- GIS Mapping
- Enabling
 - E- Nanotechnology
 - E- Advanced Manufacturing
 - E – Logistics & Distribution Centers
 - E- Outdoor Recreation
 - E- Personal Wellness / Nutraceuticals / Family Related Products

Channels

Channel - Defense / Homeland Security Contracting
Channel - Family Related Products

Graduates

Financial Services / Industrial Banks

