



Navigating Your Way to Regional Success Through Economic Development

Julie Lenzer, GsD

*Chief Innovation Officer, Advanced
Regenerative Manufacturing Institute*

*Regional Innovation Officer, ReGen Valley
Tech Hub*

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Today's Journey

- Success in the Making: Stars on the Rise
 - ReGen Valley
 - Tulsa Autonomy Tech Hub
 - Maryland Examples and Opportunities
- Required Elements for a Sustainable Path to Transforming Lives
- Black Holes to Avoid
- Moving your Region Forward



ReGEN VALLEY

**Building the Epicenter of
Biofabrication in
Manchester, NH**

POLITICO

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WHAT **WORKS** | MANCHESTER

How a 19th-Century Town Became a New Millennium Marvel

Once the world's textile leader, Manchester had to let go of the past before it could move forward.

BY COLIN WOODARD



Illustration by Politico/Photo by Manchester Historic Association

jeans to genes

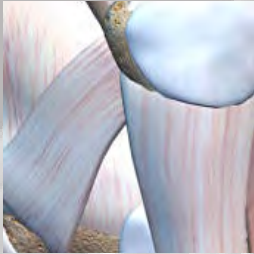


textiles to tech

Retinal Cells



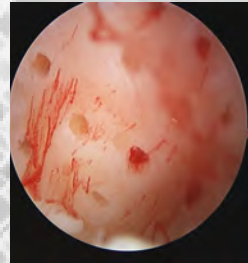
Ligaments



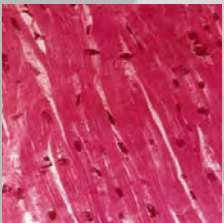
Bone



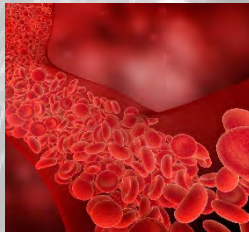
Cartilage



Muscle



Blood Products



The Opportunity:

Revolutionizing Treatments
for Traumatic Injury and
Chronic Disease

Kidney Disease

\$114 Billion a year

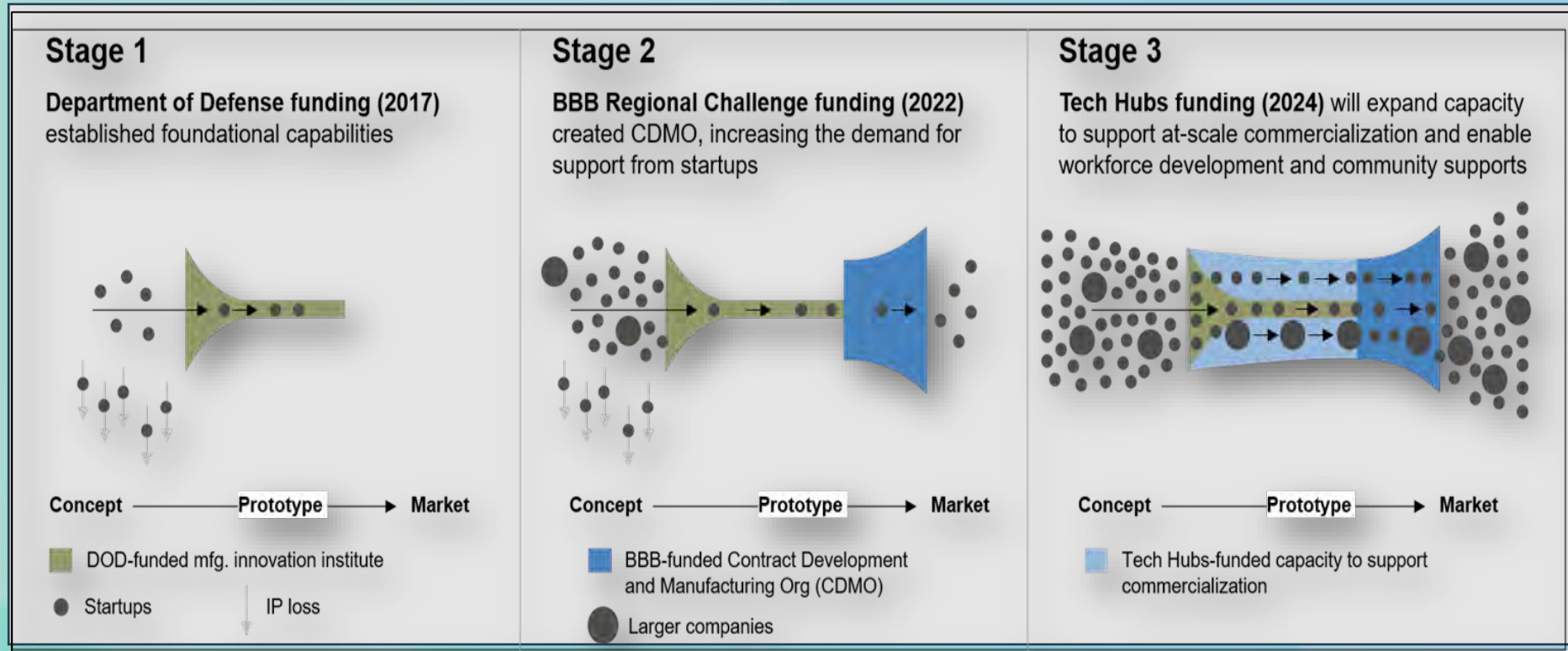
Diabetes

\$327 Billion a year

Organ Transplants

*More than 100,000 patients on
transplant waitlists*

Clear Focus on Foundational Assets



\$80M Initial
\$100M Renewal (2024)



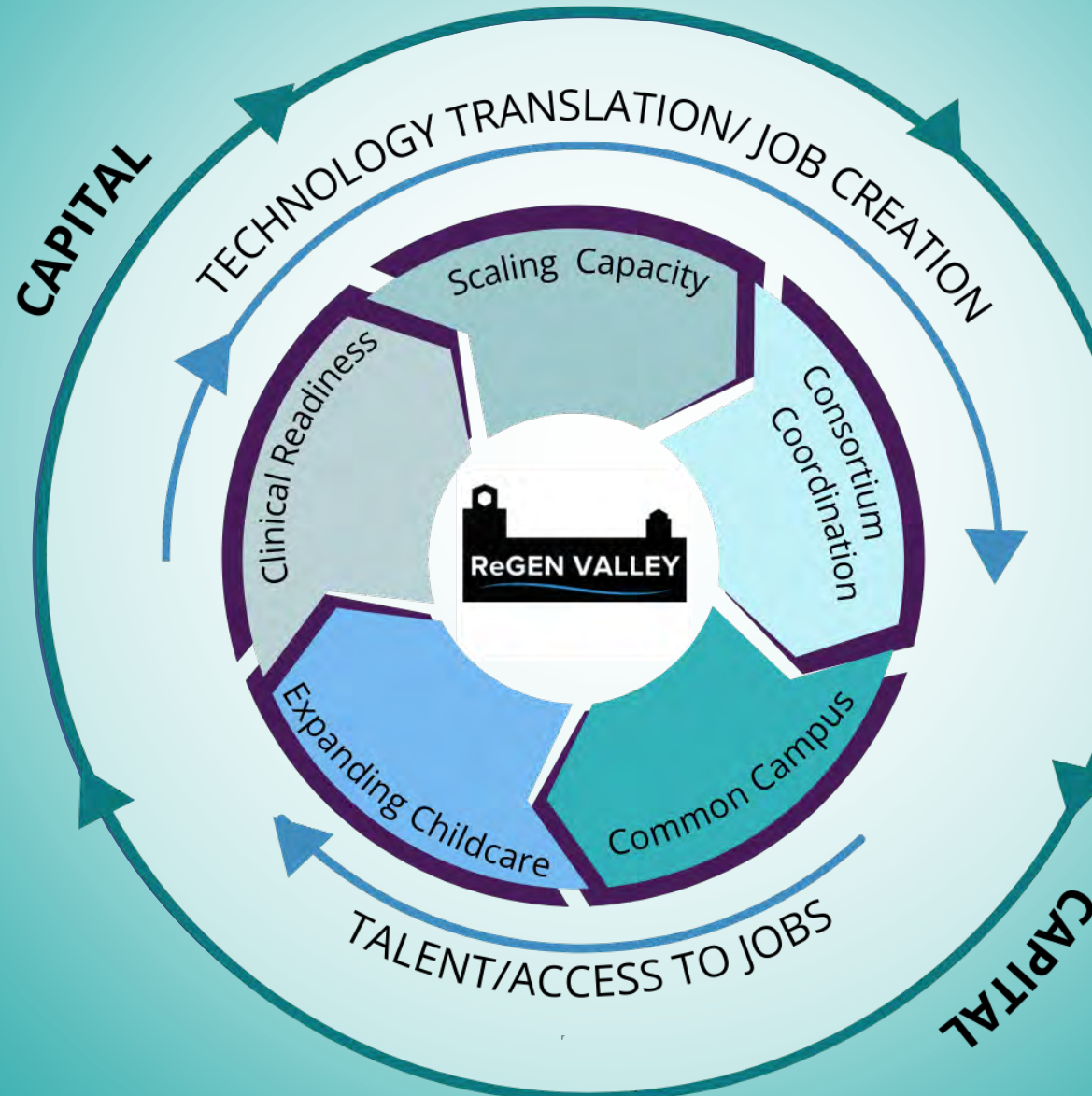
\$44M total
across 6 projects



\$44M total
across 5 projects



Building Regional Capacity to Translate Technology and Create Jobs



\$88M
in Federal
place-based
investments



An aerial photograph of the Tulsa Autonomy Tech Hub during the "golden hour" of sunset. The scene captures a sprawling industrial and commercial development in the foreground and middle ground, featuring several large, modern buildings with flat roofs and extensive parking lots. A prominent multi-story office-style building stands out among the more industrial structures. The facility is nestled between green fields and a winding road that runs along the right side of the frame. In the background, the Tulsa city skyline is visible on the horizon under a sky with soft, colorful clouds. The overall atmosphere is one of a modern, growing tech ecosystem in a scenic location.

Tulsa Autonomy Tech Hub

THETA

Tulsa Hub for Equitable and Trustworthy Autonomy



Strategic Focus to Econ Development

- Goal: establish Tulsa's NICHE based on:
 - Industry Trends
 - Local Assets
 - Opportunities
- Guiding Principals:
 - Follow the data
 - Align with industry
 - Target investments
 - Grow organically
 - Create economic mobility



TULSA
INNOVATION LABS

Diverse technologies,
focused
convergence

- Robotics
- Artificial Intelligence
- Cyber Security
- Data Analytics





Examples and Opportunities in Maryland



Frederick, Md



College Park, MD

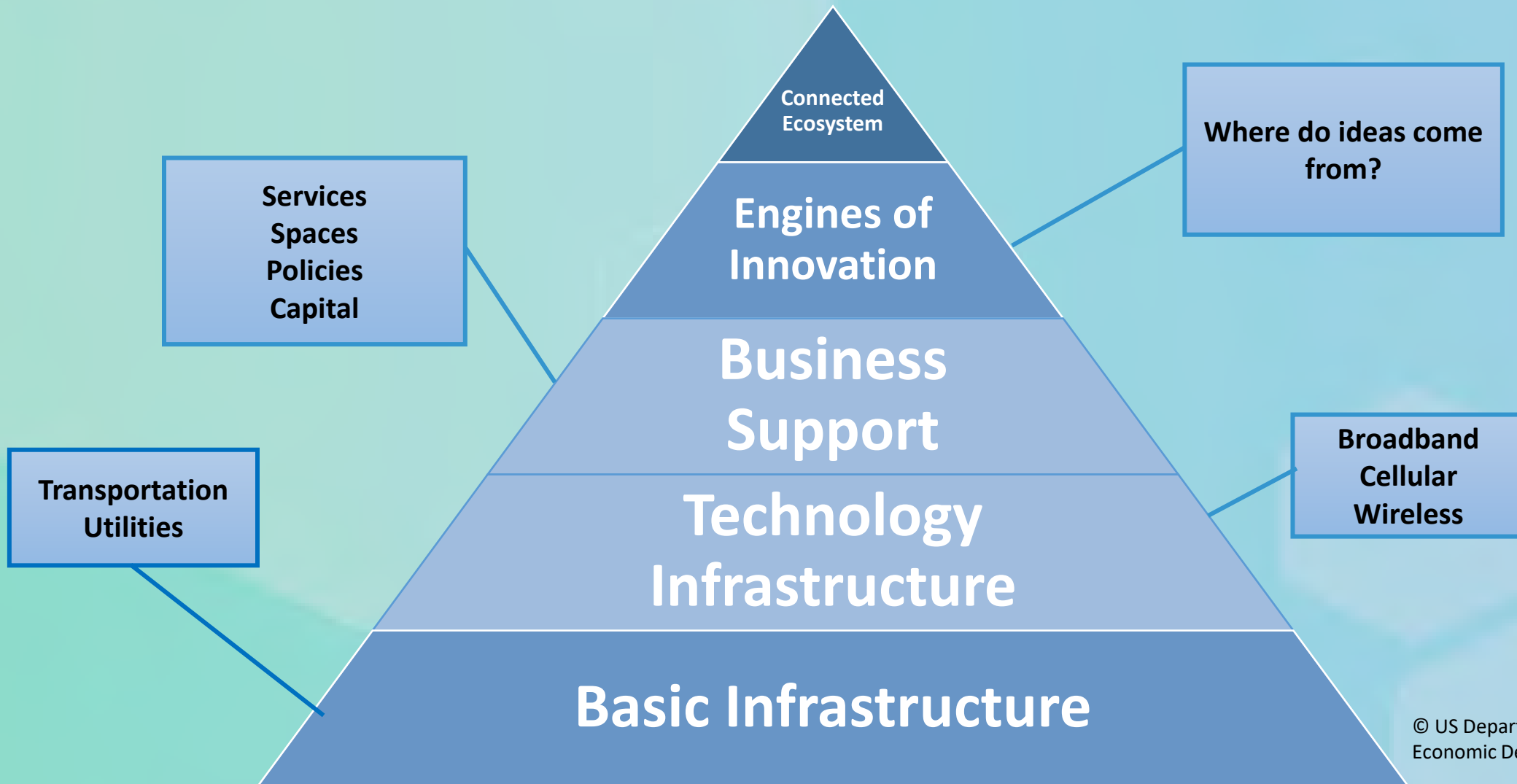
Southern Maryland



A photograph of a small, clear stream flowing through a dense forest. Several large, flat, grey stepping stones are placed across the water, leading from the foreground towards the background. The water is calm, reflecting the surrounding green foliage. The banks are covered in various types of ferns and other lush plants, creating a vibrant green backdrop. The overall atmosphere is peaceful and natural.

Required Elements for a Sustainable Path to Transforming Lives

Integral Elements of Responsive and Resilient Ecosystems







Goals Aligned Across Efforts



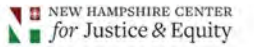
SMART Goal	Scaling Capacity	Common Campus	Expanding Childcare	Clinical Readiness
Technology Maturation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regulatory Progression	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
External Investment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Job Creation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regional Talent Inclusion	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Increase Regional GDP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Decrease Time to Market	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regional Economic Growth	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Building the Global Epicenter for Biofabrication

Diverse Stakeholders Unified Around a Common Vision



Foundation for
Healthy Communities



New Hampshire Department of
BUSINESS AND
ECONOMIC AFFAIRS



VitroLabs Inc





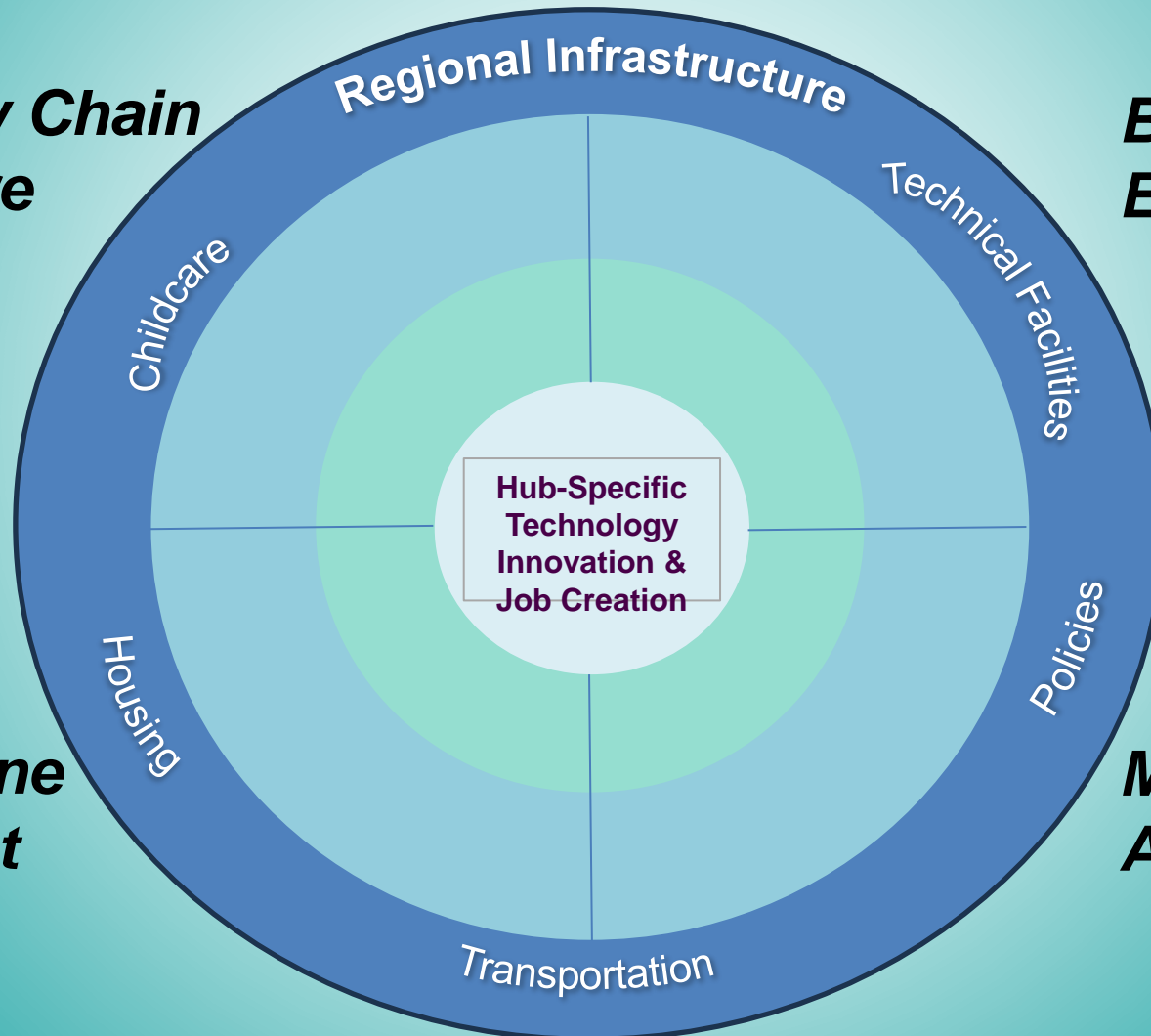
Technology Centered, Community Guided

***Technical Supply Chain
and Infrastructure***

***Business and
Entrepreneurship***

***Workforce Pipeline
and Development***

***Market Access &
Acceptance***



Key Assertion: A thriving hub will have a balance of engaged Consortium members throughout the landscape.





POWER OF COLLABORATIVE GOVERNANCE



Source: Ioffreda, Parilla, and Haskins, "A governance framework for regions competing for Tech Hubs and other new federal investments."



Black Holes to Avoid

A black and white photograph of Albert Einstein on the left side of the frame, looking towards the camera with a slight smile. He is wearing a dark jacket and has his right arm raised, pointing with his index finger towards the chalkboard. The chalkboard is dark and occupies the right two-thirds of the image. On the chalkboard, the equation 'Ego = 1 / Knowledge' is written in white. Below the equation, a quote is written in a cursive script: '“More the Knowledge
Lesser the Ego,
Lesser the Knowledge
More the Ego”'.
$$\text{Ego} = \frac{1}{\text{Knowledge}}$$

*“More the Knowledge
Lesser the Ego,
Lesser the Knowledge
More the Ego”*







2 HOUR PARKING
8AM-5PM
DAILY
RESERVED PARKING
HANDICAPPED

2 HOUR PARKING
8AM-5PM
DAILY
RESERVED PARKING
HANDICAPPED



Moving Your Region Forward



Thank you!