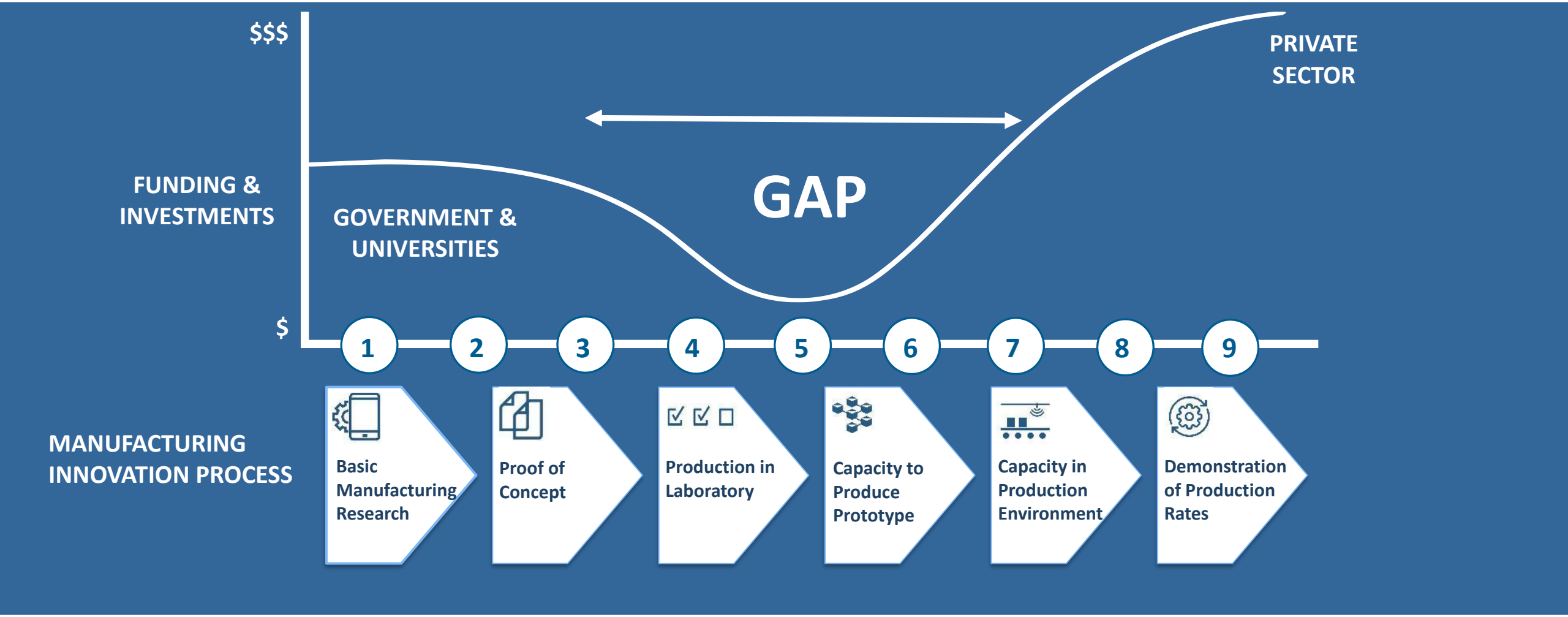


10 Years of American Innovation

An interagency team building partnerships with U.S. industry and academia

ManufacturingUSA

Manufacturing USA Purpose



ManufacturingUSA

Institutes Enable Large-Scale Collaboration



ManufacturingUSA

Strategic Goals



GOAL 1

Increase the competitiveness of U.S. manufacturing



GOAL 2

Facilitate the transition of innovative technologies into scalable, cost-effective, and high-performing domestic manufacturing capabilities



GOAL 3

Accelerate the development of an advanced manufacturing workforce



GOAL 4

Promote a network of institutes that build long-term support for and from their communities

ManufacturingUSA

10 years of Manufacturing USA

A growing network of 17 Industry-led Innovation Institutes

ELECTRONICS	AIM PHOTONICS — Integrated Photonics *Albany, NY* *Rochester, NY*	NEXTFLEX — Flexible Hybrid Electronics *San Jose, CA*	PowerAmerica — Wide Bandgap Semiconductors *Raleigh, NC*
MATERIALS	AFFOA — Advanced Fibers and Textiles *Cambridge, MA*	The Composites iacmi Institute — Advanced Composites *Knoxville, TN* *Detroit, MI*	lift — Advanced Materials *Detroit, MI*
ENERGY/ ENVIRONMENT	RAPID — Modular Chemical Process Intensification *New York, NY*	REMADE INSTITUTE — Sustainable Manufacturing *Rochester, NY*	CESMII — Smart Manufacturing *Los Angeles, CA*
	EPIC — Industrial Process Decarbonization *Tempe, AZ*		
DIGITAL/ AUTOMATION	America Makes — Additive Manufacturing *Youngstown, OH* *El Paso, TX*	ARM INSTITUTE — Advanced Robotics & AI *Pittsburgh, PA*	MxD — Digital Manufacturing & Cybersecurity *Chicago, IL*
	CYMANII — Cybersecurity in Manufacturing *San Antonio, TX*		
BIO-MANUFACTURING	biofabusa — Regenerative Manufacturing *Manchester, NH*	NIIMBL — Biopharmaceutical Manufacturing *Newark, DE*	BioMADE — Bioindustrial Manufacturing *St. Paul, MN*

ManufacturingUSA

Upcoming NIST Institutes: Digital Twin for Semiconductor Manufacturing, CHIPS for America Artificial Intelligence for Resilient Manufacturing, NIST OAM

New NIST Manufacturing USA Institute Competitions

Digital Twins for Semiconductor Manufacturing Institute

$285 million federal award

Award anticipated November



AI for Resilient Manufacturing Institute

$70 million federal award

Concept Papers under evaluation

Manufacturing USA Network

2023 Impacts



Work with

2,900+

Member Organizations



Collaborate on

920+

major applied research and development projects



Engage

150,700+

people with workforce knowledge and skills in advanced manufacturing



Invest

$539.9M

in these activities from state, industry, and federal funds

ManufacturingUSA

Our efforts help ensure **what's invented here is made here by a skilled American workforce.**



ManufacturingUSA®

10TH ANNIVERSARY



10 Impact Areas Over 10 Years

- Providing a New Model for Innovation
- Creating Industry Roadmaps
- Scaling & Onshoring Emerging Industries
- Reinvigorating Existing Industries
- Creating Factories of the Future
- Rebuilding Supply Chains Around New Technology
- Championing True Sustainability
- Growing Regional Economies
- Engineering Jobs of the Future
- Building National Platforms for Workforce

Together We are Securing America's Manufacturing Future





ManufacturingUSA

Get Involved: ManufacturingUSA.com @MFGUSA MFGUSA