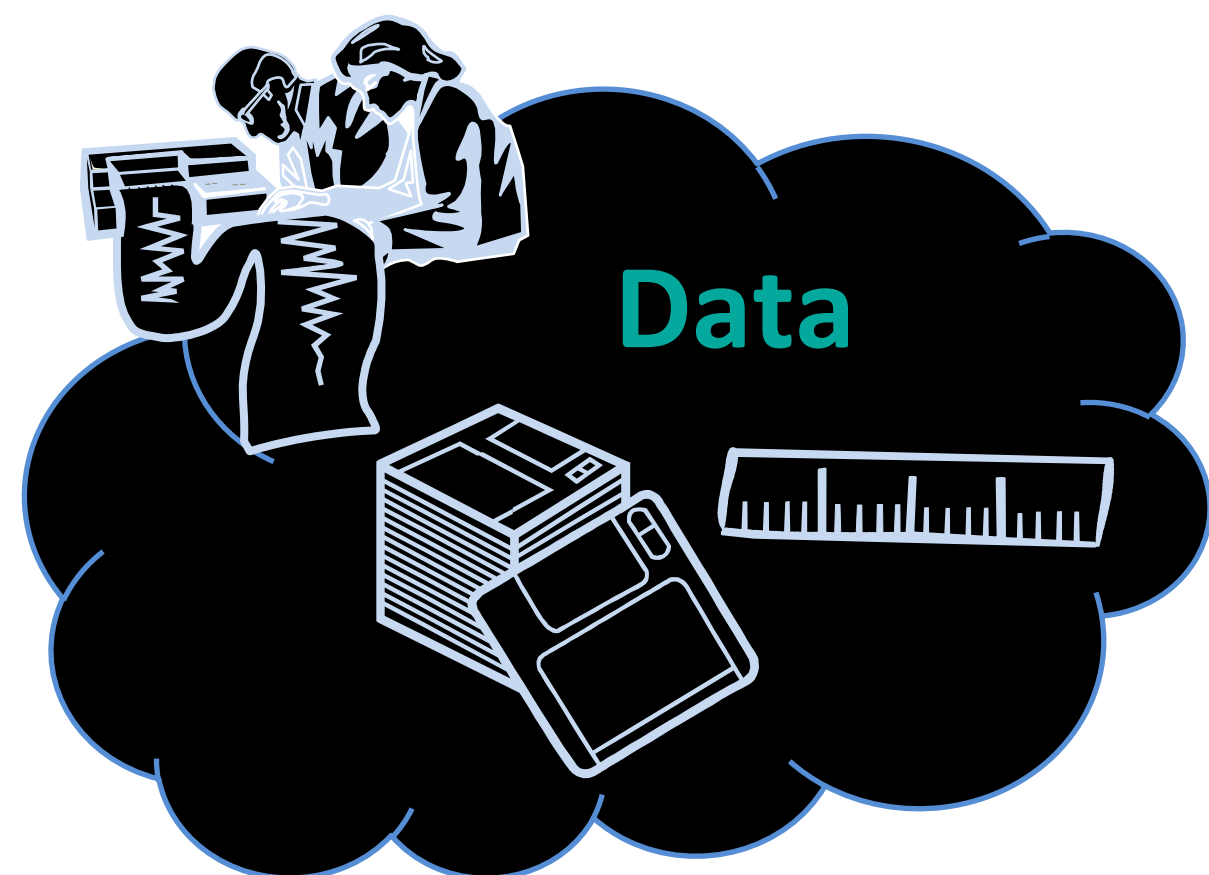


NIST+MGI+AI

Jim Warren, National Institute of Standards and Technology
Executive Secretary, Subcommittee on the Materials Genome Initiative

WELCOME!

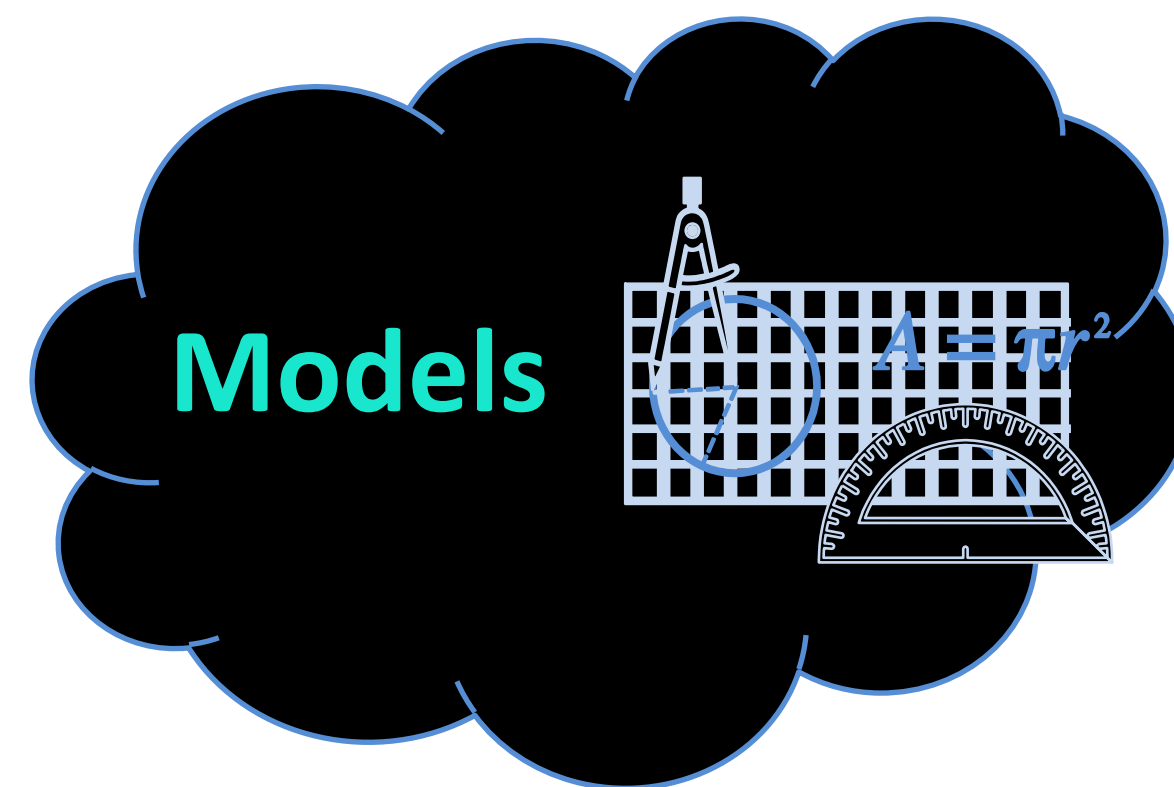
A focus on Data
(NIST 10 Years Ago)



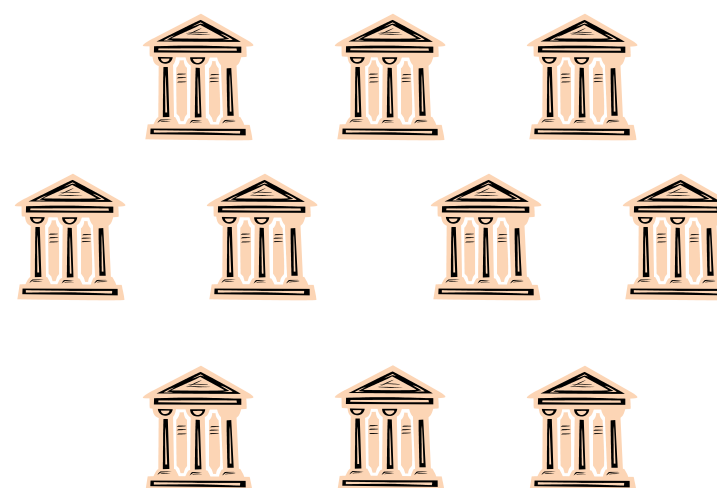
Data



Repositories



Models

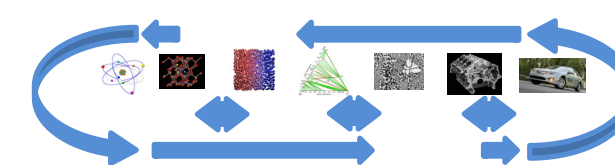
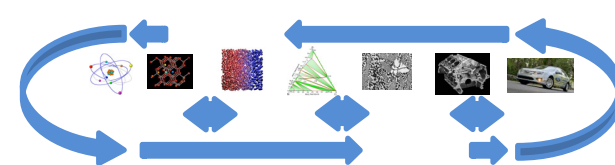
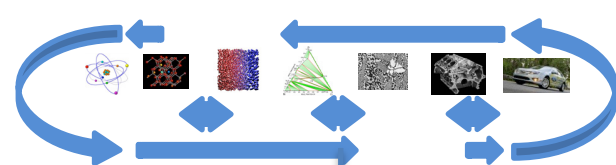
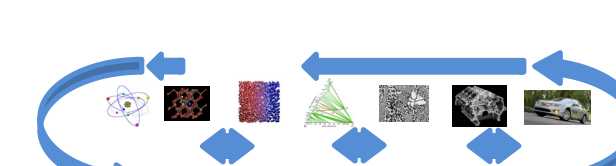
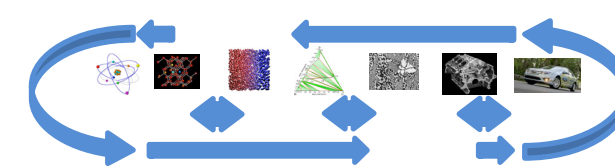
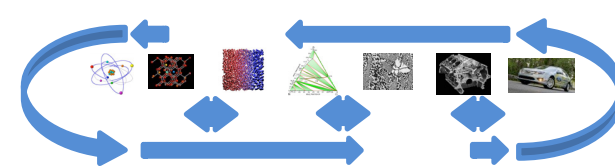
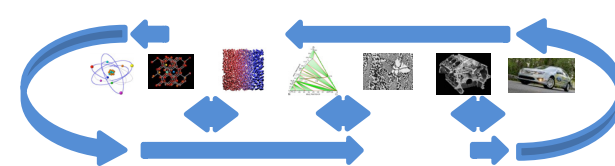


NIST

Enable & Enhance **Exchange**
(repositories, disciplines, industries; standards)

NIST

Assess & Improve **Quality**
(Data & Models)



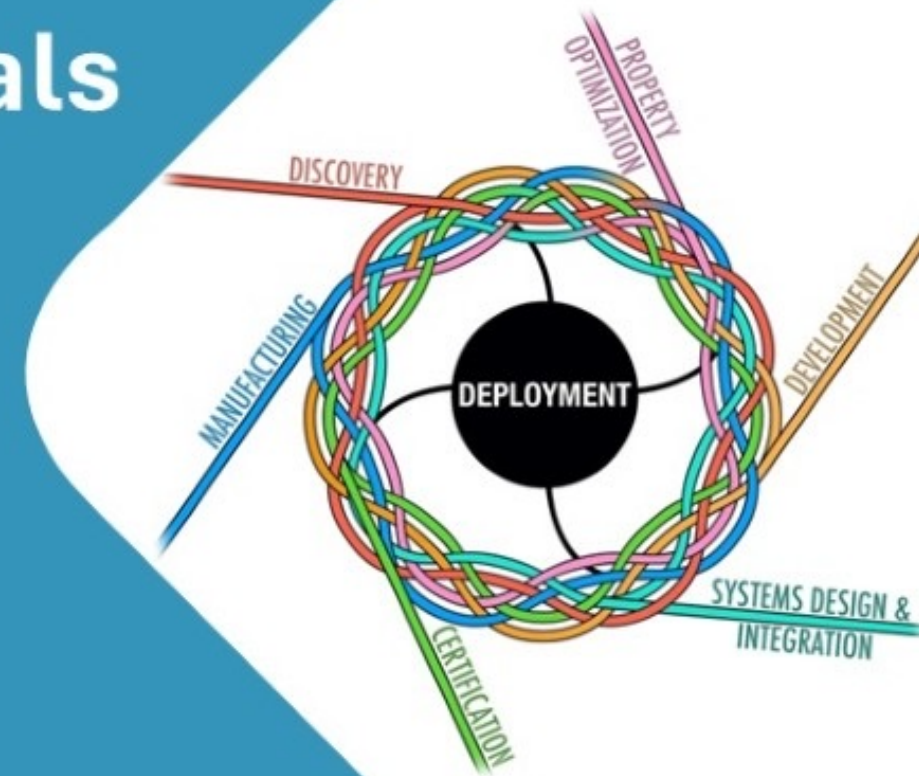
New **Methods and Metrologies**
(data driven analysis and models)

NIST



Thank you Generative AI?

Accelerating Materials
Solutions
to Meet
National and
Global Challenges



A Workshop in Support of the MGI Strategic Plan

June 10th, 2024 (By invitation)
June 11th, 2024 (Fed. Gov. only)
Alexandria, VA

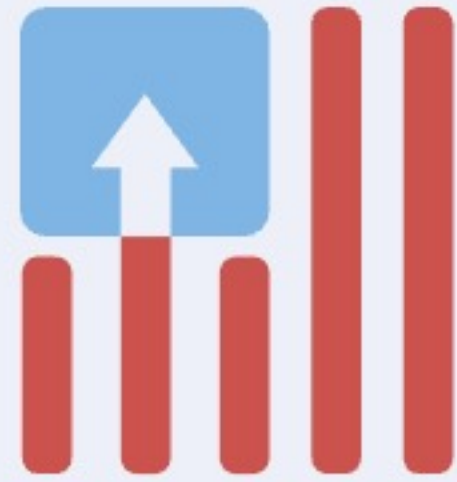
Subcommittee on the MGI



More to Come!



AI ASPIRATIONS: R&D FOR PUBLIC MISSIONS



Let's put AI to work for our government are moving quickly in order to mitigate AI risks, including privacy, and work. As we embrace responsible AI use, it's time to seize the opportunity for all, mitigate risk, build robust infrastructure and resources for every American, and more.

[Learn More](#)

[All Videos](#)

AI FOR SUSTAINABLE MATERIALS

New high-performance, sustainable materials in years rather than decades for globally competitive semiconductor manufacturing.

[Learn More](#)

[Watch Video](#)

Director Arati Prabhakar speaks at the AI Aspirations

CHIPS and Science Act



We're trying some Industrial Policy!
Without the existential threat!

Questions?