Today's Agenda

NIST

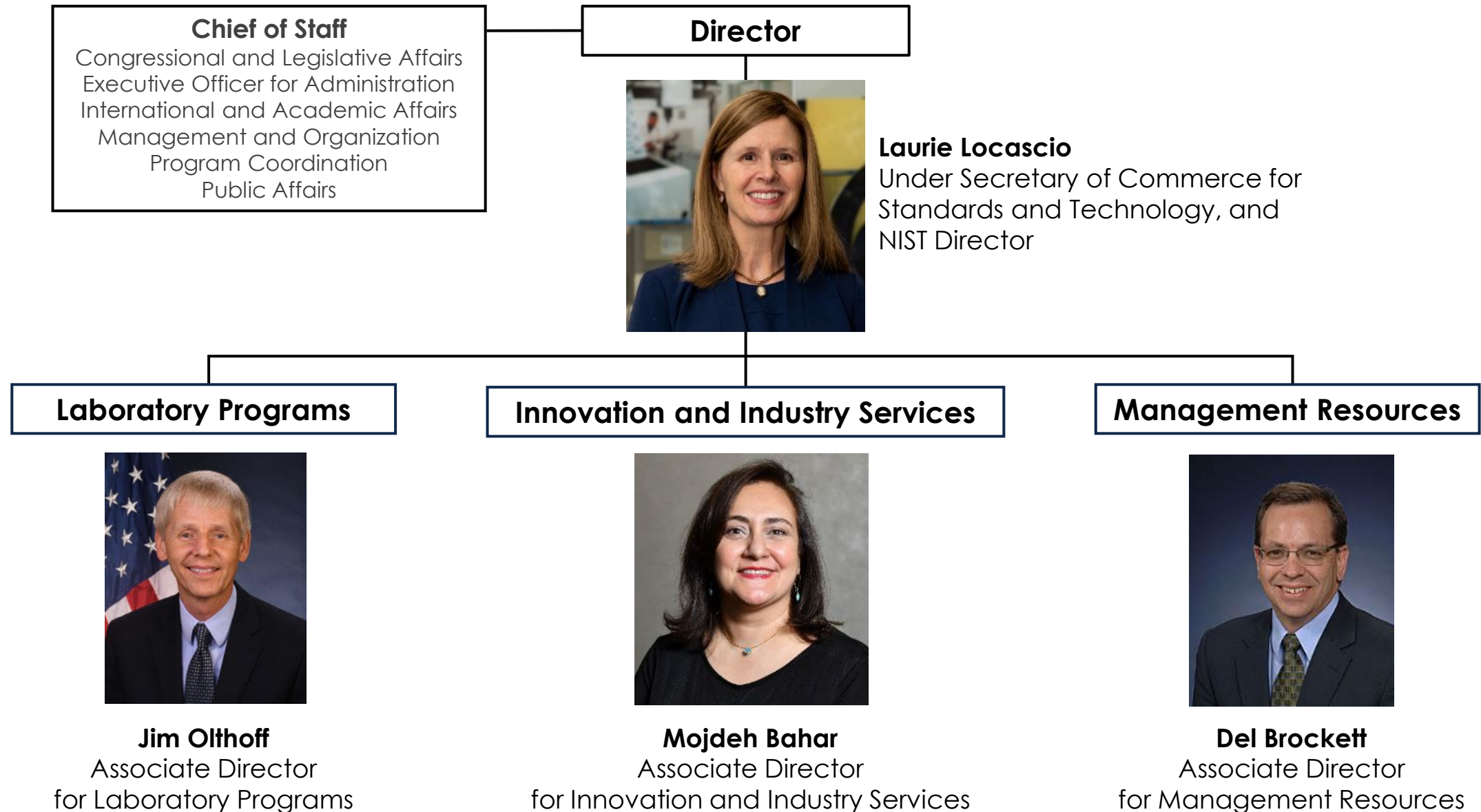| Time	Topics and Speakers
1:00 pm	Welcome and Introductions Dr. Laurie Locascio – Under Secretary of Commerce for Standards and Technology and NIST Director
1:10 pm	Ethics Briefing Rebecca Hermanowicz – Attorney-Advisor, Office of General Counsel, U.S. Department of Commerce
1:20 pm	NIST Overview Dr. Laurie Locascio – Under Secretary of Commerce for Standards and Technology and NIST Director
1:50 pm	NIST Laboratory Programs Overview Dr. James Olthoff – Associate Director for Laboratory Programs
2:20 pm	Break
2:40 pm	NIST Facilities Overview Robert "Skip" Vaughn – Chief Facilities Management Officer and the Director of the Office of Facilities and Property Management
3:10 pm	NIST Safety Overview Dr. Elizabeth Mackey – Chief Safety Officer and Director of the Office of Safety, Health, and Environment
4:10 pm	Question and Answers
5:00 pm	Adjourn

NIST Overview

Dr. Laurie Locascio

NIST National Institute of Standards and Technology
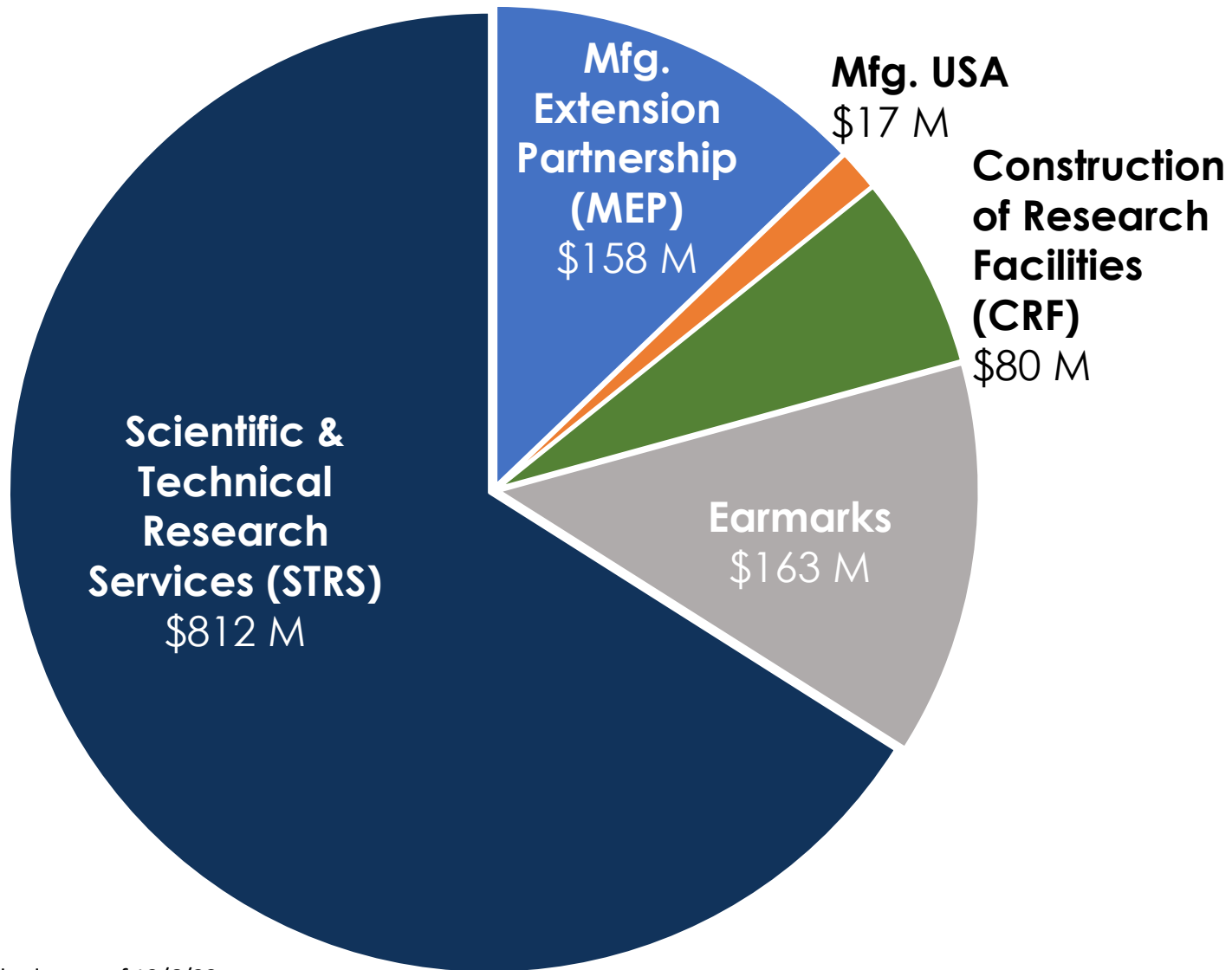U.S. Department of Commerce

To promote U.S. innovation and industrial competitiveness

by advancing measurement science, standards, and technology in ways that enhance economic security and improve our quality of life.

NIST Leadership

NIST

Chief of Staff
Congressional and Legislative Affairs
Executive Officer for Administration
International and Academic Affairs
Management and Organization
Program Coordination
Public Affairs

Director

Laurie Locascio
Under Secretary of Commerce for Standards and Technology, and NIST Director

Laboratory Programs

Jim Olthoff
Associate Director
for Laboratory Programs

Innovation and Industry Services

Mojdeh Bahar
Associate Director
for Innovation and Industry Services

Management Resources

Del Brockett
Associate Director
for Management Resources

Budget Overview

Mfg. Extension Partnership (MEP) $158 M

Mfg. USA $17 M

Construction of Research Facilities (CRF) $80 M

Scientific & Technical Research Services (STRS) $812 M

Earmarks $163 M

NIST is on a flat budget through December 16, 2022

$163 M in externally directed earmarks from FY 2022 are in process of being awarded

Does not include CHIPS

Current budget as of 12/6/22

Nationwide Reach and Impact

NIST
- 2 NIST campuses
  - 7 joint institutes and research partnerships
  - 2 atomic clock signal stations
  - 3 NIST centers of excellence

MEP National Network™
- 51 MEP Centers
  - 385 service locations
  - 2,100 partners
  - 1,400 trusted advisers

Manufacturing USA® Institutes
- 16 Manufacturing Innovation Headquarters
  - 18 satellite locations
  - +1,900 member organizations
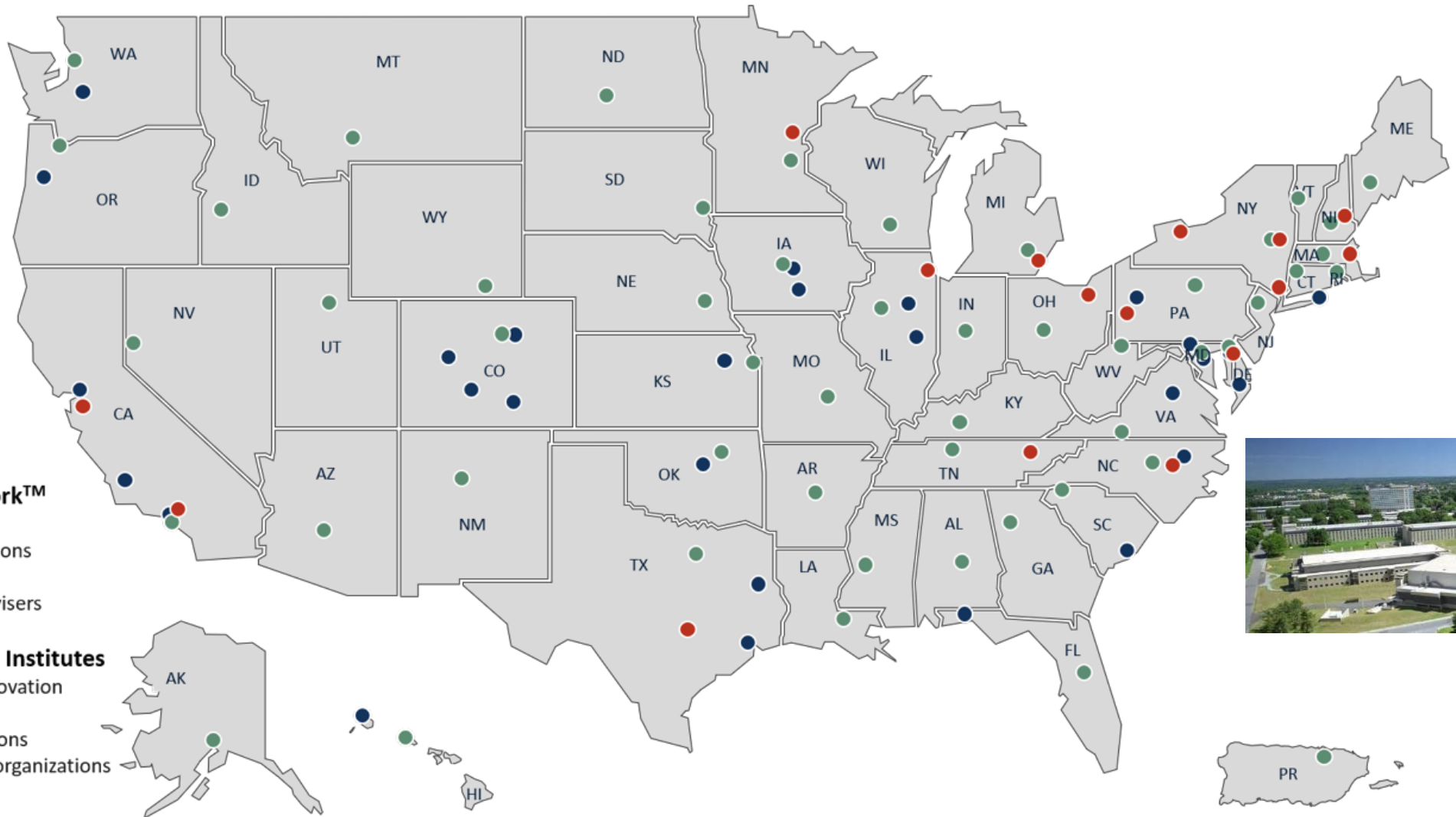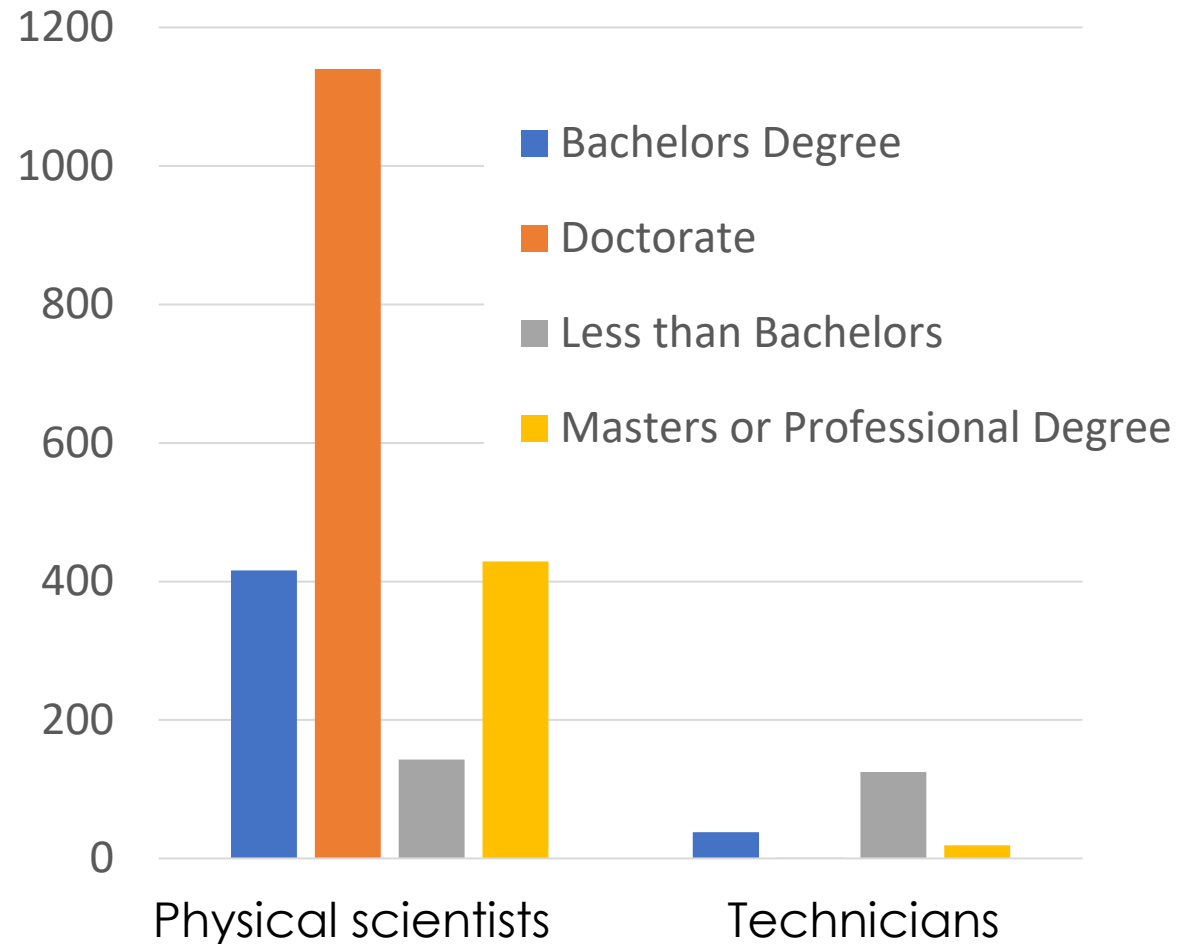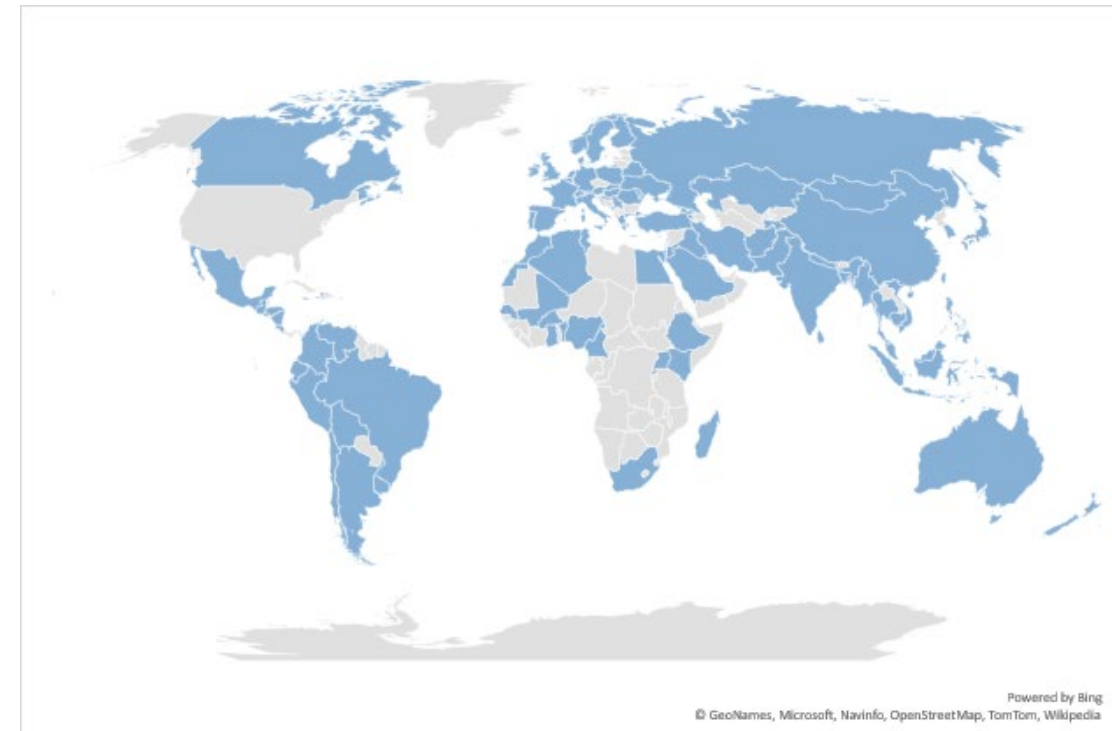
About our workforce

NIST POPULATION AT A GLANCE

NIST Workforce 8,070

Federal Employees 3,398
- **Boulder** 460
- **Charleston** 21
- **Gaithersburg** 2,739
- **Other** 190

Associates 4,672
- **Domestic Guest Researcher** 1,168
- **Facility User** 30
- **Foreign Guest Researcher** 471
- **Non-technical personnel** 2,706
- **Off-site Collaborator** 57
- **Research Associate** 56
- **Volunteer Student** 31
- **Other** 153
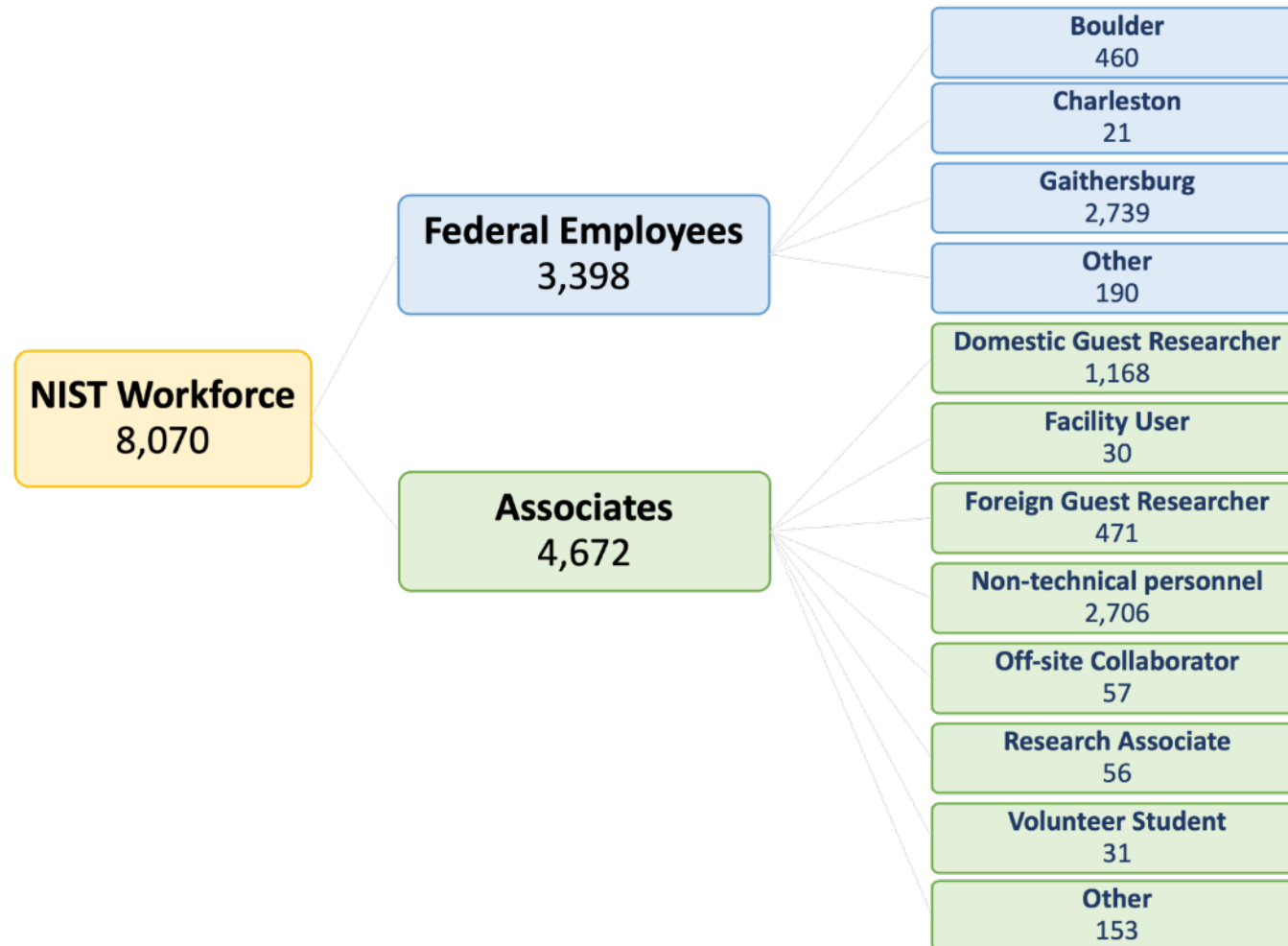
As of 09-27-2022

Our scientific and technical workforce

NIST

Federal Staff

Legend:
- Bachelors Degree
- Doctorate
- Less than Bachelors
- Masters or Professional Degree

Y-axis: 0, 200, 400, 600, 800, 1000, 1200

X-axis: Physical scientists, Technicians

Foreign Guest Researchers

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In FY 2020, NIST had almost 1,200 international staff from 96 countries; their home countries can be seen on the map in blue.

Diversity, Equity, Inclusion and Accessibility

NIST

NIST DEIA AT A GLANCE

37.5%
Women*

12.5% of women are supervisors
16.1% of men are supervisors

28.8%
People of Color

10% of people of color are supervisors
16.6% of White employees are supervisors

8.9%
Individuals with Disabilities

8.9% of people with a disability are supervisors
15.3% of people without a disability are supervisors

8.2%
Veteran status

16.7% of veterans are supervisors
14.5% of non-veterans are supervisors

As of 09-27-2022

NIST Programmatic Organizations

NIST

Our mission to promote innovation and industry competitiveness is best served when we support activities throughout the research and development pipeline, from the most basic science to the deployment of advanced technologies

Laboratories

Communications Technology

Engineering

Information Technology

Material Measurement

NIST Center for Neutron Research

Physical Measurement

Extramural Programs

Manufacturing Extension Partnership (MEP)

Manufacturing USA

Baldrige Performance Excellence Program (BPEP)

NIST Extramural and External Programs

Hollings Manufacturing Extension Partnership

Manufacturing USA®

Baldridge Performance Excellence Program

Technology Partnerships Office

National Voluntary Laboratory Accreditation Program

Priorities

NIST

1. **Critical & Emerging Technologies Leadership**

2. **Standards Leadership**

3. **Manufacturing Leadership**

4. **Mission Delivery Enhancement**

5. **NIST Community Building**

J. Stoughton/NIST

NIST is essential in the development, manufacture, and adoption of technologies critical today and those yet to be imagined

Critical & Emerging Technologies
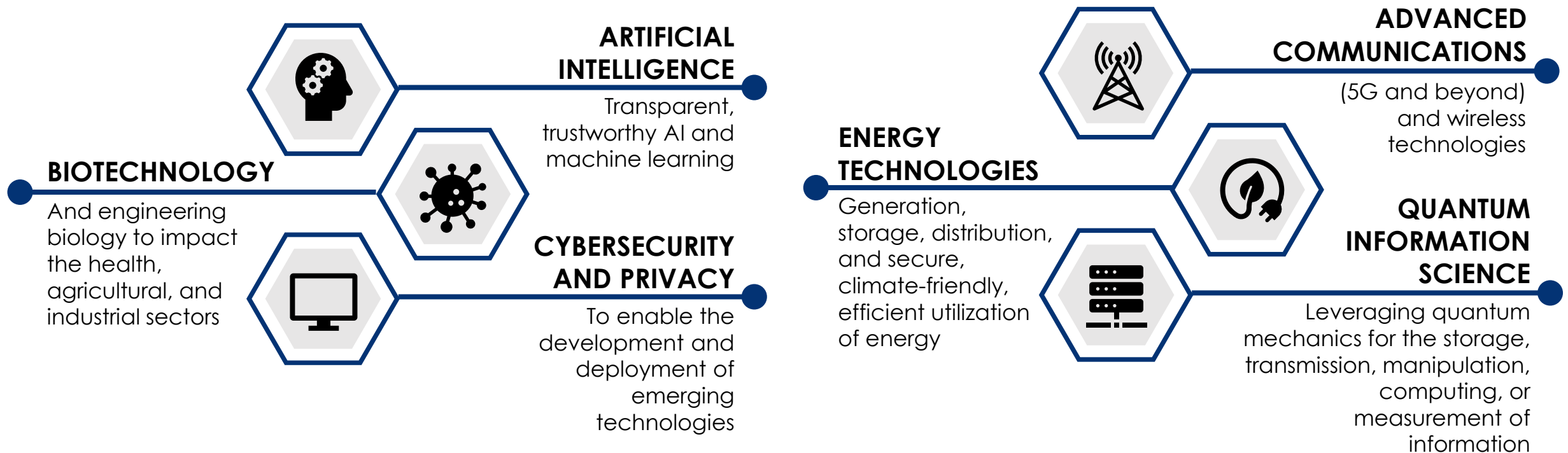
ARTIFICIAL INTELLIGENCE
Transparent, trustworthy AI and machine learning

BIOTECHNOLOGY
And engineering biology to impact the health, agricultural, and industrial sectors

CYBERSECURITY AND PRIVACY
To enable the development and deployment of emerging technologies

ADVANCED COMMUNICATIONS
(5G and beyond) and wireless technologies

ENERGY TECHNOLOGIES
Generation, storage, distribution, and secure, climate-friendly, efficient utilization of energy

QUANTUM INFORMATION SCIENCE
Leveraging quantum mechanics for the storage, transmission, manipulation, computing, or measurement of information

Standards Leadership

NIST leads execution of the U.S. Government's National Standards Strategy for Critical and Emerging Technology and the development of Federal standards policy to ensure continued U.S. global economic competitiveness and technology leadership.

erstock/Anton Balazh

NIST is industry's one-stop shop for practical tools, services, and measurement expertise to accelerate competitiveness and impact

CHIPS Act

Position the Department of Commerce to successfully execute CHIPS Act Programs

Intel

NIST engages with Congress, key policy makers, and the general public to ensure support and adequate funding for NIST's impactful mission in economic competitiveness.

J. Stoughton/NIST

NIST Community Building

NIST provides a community open to change, where everyone is valued, supported, engaged, and empowered.

NIST

NIST Community Building

Motivations

- To be the best place to work

Challenges

- Issues in diversity, equity, inclusion and accessibility
- NCNR and strengthening the cross-NIST program
- Bringing people back to campus post-COVID

Opportunities

- We have a chance to restart
- To become the exemplar of a safe, healthy and respectful work environment

Diversity, Equity, Inclusion, & Accessibility

Safety

Return to Campus