Nurturing a Culture of Innovation and Collaboration

VCAT
October 20, 2020

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

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NIST

BALDRIGE
Performance Excellence Program

Manufacturing USA

MEP
National Network™

Through formation of PPPs, we build communities around

- Technological innovations
- Manufacturing
- Performance excellence

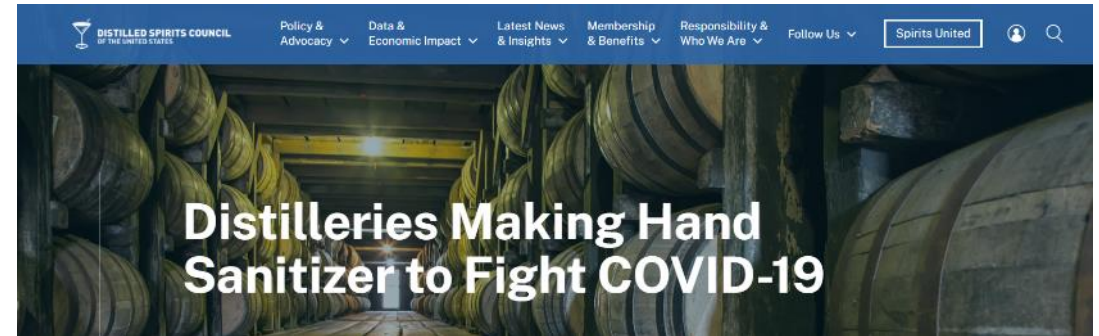- **Seeking internal synergies**
- **Expanding the reach**
- **Seeking external partners**
- **Telling our story**

IIS Notables FY20-21

- Collaborative projects among IIS components
- Stakeholder, partner identification, finding areas with common stakeholders
- Communication Plan with external partners
- Identification of collaboration opportunities with NIST Laboratories

Manifacturing CARES Act Grants

NIST

$50 million in grants to 51 centers in 90 days

Distilleries Making Hand Sanitizer to Fight COVID-19

$12.4 million competitively awarded to five Manufacturing USA institutes, sponsoring 13 high-impact pandemic response projects

NIIMBL
Bio-pharmaceutical Manufacturing
Newark DE

America Makes
Additive Manufacturing
Youngstown OH

lift
Lightweight Materials Manufacturing
Detroit MI

ARM
ADVANCED ROBOTICS FOR MANUFACTURING
Advanced Robotics
Pittsburgh PA

biofabusa
Regenerative Manufacturing
Manchester NH

- New DOC/NIST Manufacturing USA Institute(s)
- Alliance pathway for recognizing additional centers

- Institute Renewal Process
- Potential GMP facility for biopharma production scale-up

- Agency-Wide Collaboration and Coordination Through the NSTC Subcommittee on Advanced Manufacturing

- Advanced Manufacturing National Awareness Campaign

MEP Notables FY20-21

- Industry Roundtables: 11 roundtables, 50 manufacturers, 27 states

- MEP & Baldrige: FloridaMakes Industry 4.0 Integration Within a Baldrige Framework

MEP
**National
Network**™

Baldrige Performance Excellence Program Notables FY20-21

- Pledge to America's Workers Presidential Award (PAWPA)

- NIST Leader in Baldrige Fellows Program

BALDRIGE
Performance Excellence Program
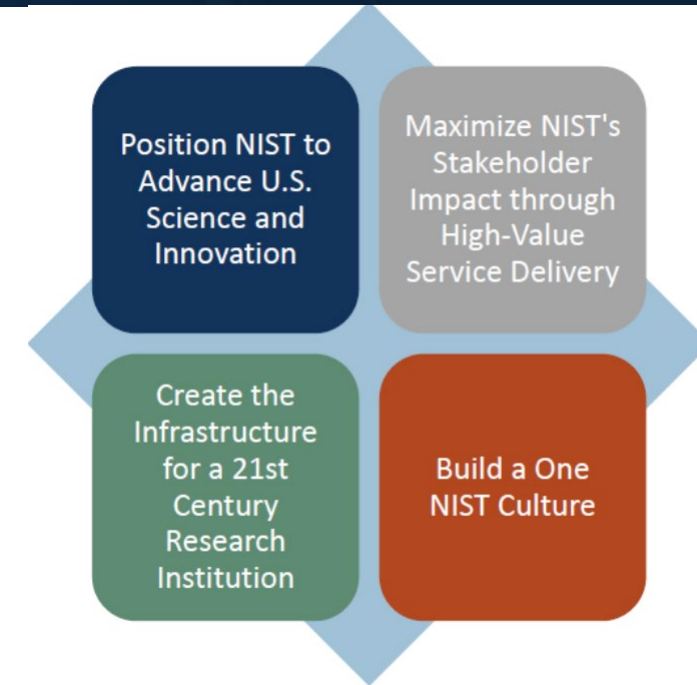
Assessment of TPO/TT Functions

- NOAC Study
- VCAT input
- Study of Boulder's Entrepreneurial Ecosystem and TT's role
- Meetings with TPO Staff, Lab Directors, VCAT TT, NIST Management
- Input of the NIST Innovation Council
- Prior recommendations of TTPC

Recommendations for NIST-wide

1. Eliminate operational silos and communication roadblocks

2. Create excitement about tech transfer within the NIST labs

3. Think and act strategically about IP

4. Develop technology discovery and marketing strategies

5. Increase awareness of NIST technologies available for use

6. Reward and incentivize commercialization activities

7. Leverage best practices to ensure NIST is world-class in tech transfer

8. Establish the role of Technology Liaison

9. Define NIST's roles in the commercialization and patenting process

10. Communicate the importance of tech transfer broadly

Position NIST to Advance U.S. Science and Innovation

Maximize NIST's Stakeholder Impact through High-Value Service Delivery

Create the Infrastructure for a 21st Century Research Institution

Build a One NIST Culture

- Alignment with NIST laboratories

- "One TPO"

- Redefining roles for some staff members

- Innovation Ambassador Program

- Training

- Communication Pieces on metrics and successes

- Appropriate legal instruments

- Umbrella Agreements

- Creating a BUZZ around TT activities

Thank you for your kind attention!

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