







Mid-Atlantic Nanotechnology Hub





Community College of Philadelphia





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#### MANTH: Mid-Atlantic Nanotechnology Hub (Penn + CCP)

#### Singh Center for Nanotechnology

- -11,000 ft<sup>2</sup> class 100/1000 nanofabrication facility
- 10,000 ft<sup>2</sup> imaging and characterization facilities















National Nanotechnology Coordinated Infrastructure



Center for Nanotechnology

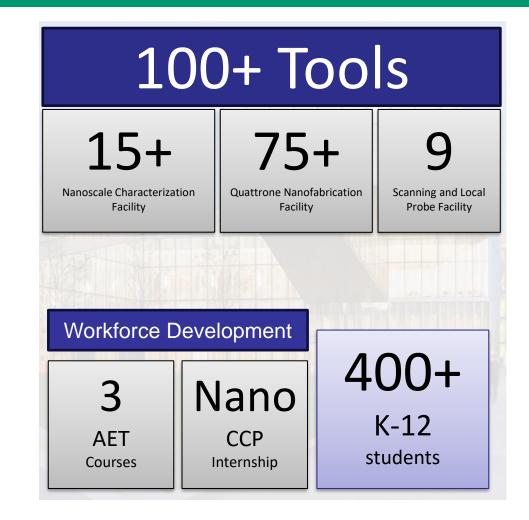
#### MANTH: Mid-Atlantic Nanotechnology Hub (Penn Singh Center + CCP)

#### Singh Center for Nanotechnology

- -11,000 ft2 (1021 m2) class 100/1000 cleanroom
- -10,000 ft2 (929 m2) imaging and characterization

#### Community College of Philadelphia (CCP)

- 19,000 students (41% African American, 16% Hispanic/Latino, 11% Asian, 23% White)
- Title III eligible institution: low-income student population
- The School District of Philadelphia, a Title I designated district where 75% of students are economically disadvantaged, is the largest feeder into the CCP.



Mid-Atlantic Nanotechnology Hub

for Nanotechnology

Community

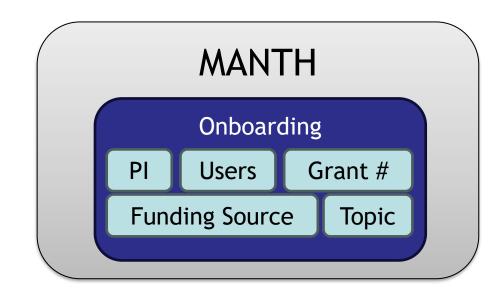
College Philadelphia





**Opportunities in Operational Excellence** 

• NIST: NEMO / Nexus LIMS

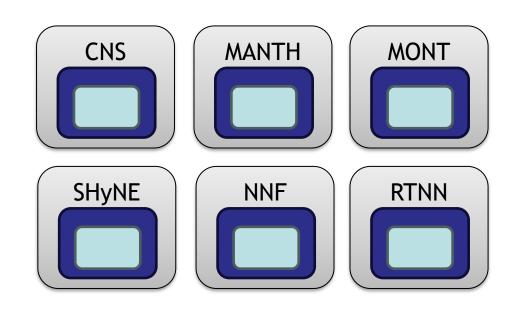






**Opportunities in Operational Excellence** 

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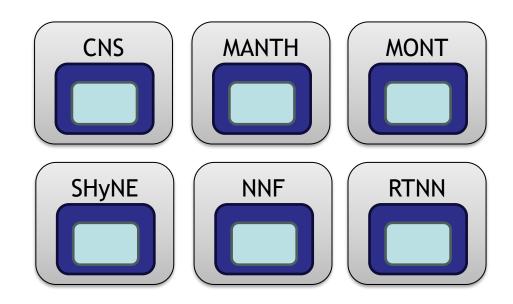






**Opportunities in Operational Excellence** 

- NIST: NEMO / Nexus LIMS
- Establish an NNCI Central Registry



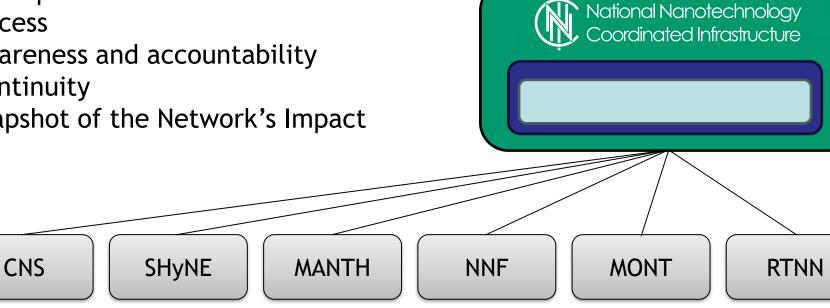






#### Establish an NNCI Central Registry

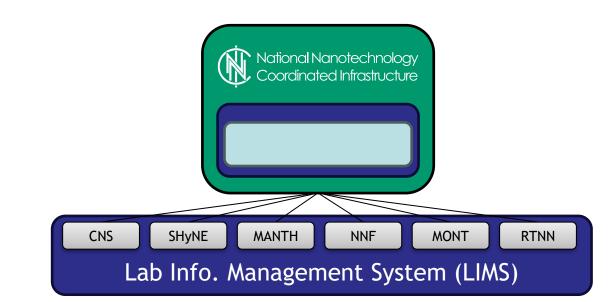
- New NNCI users register through a central national portal as part of each node's onboarding process
- Enable user awareness and accountability
- **Operational Continuity**
- On-demand Snapshot of the Network's Impact







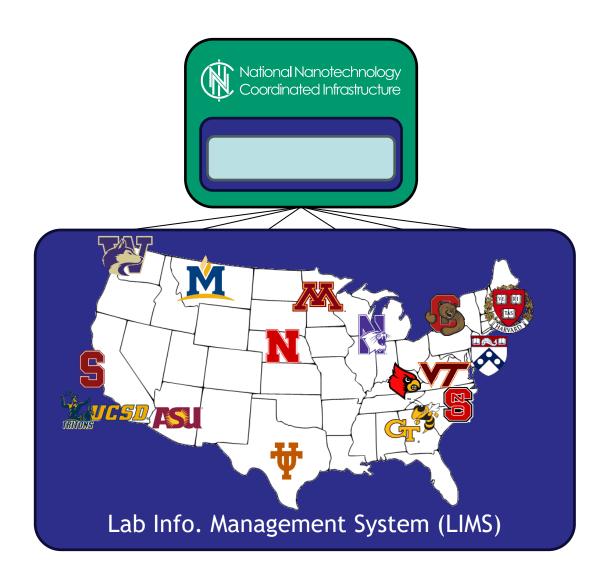


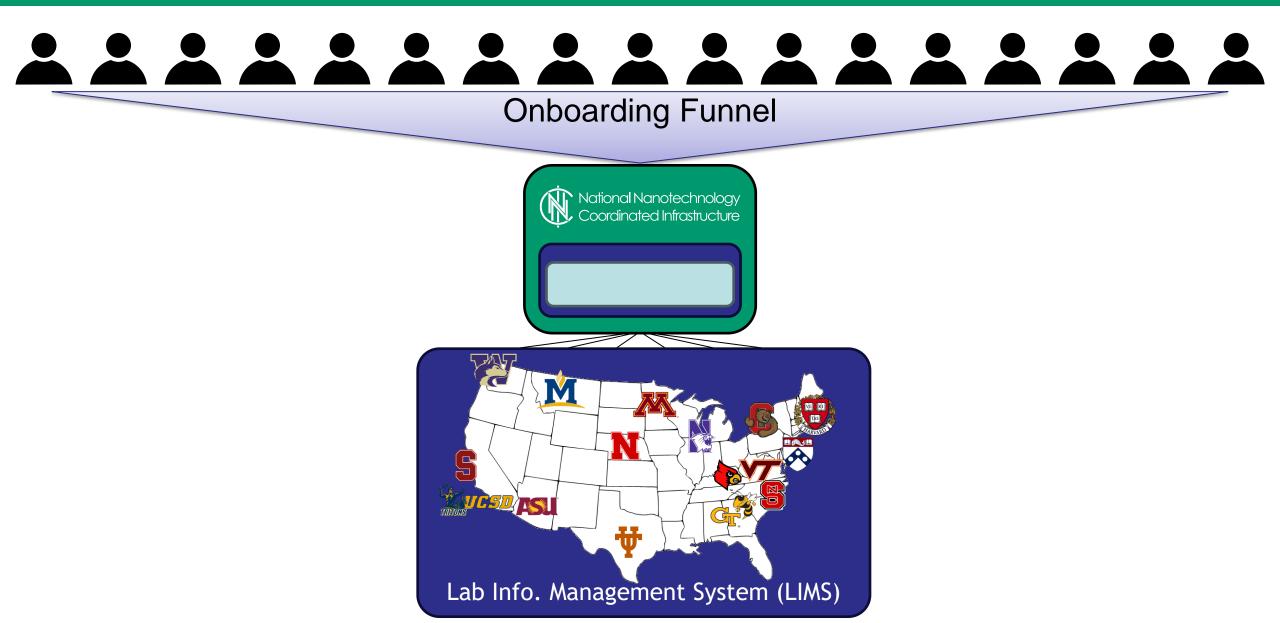




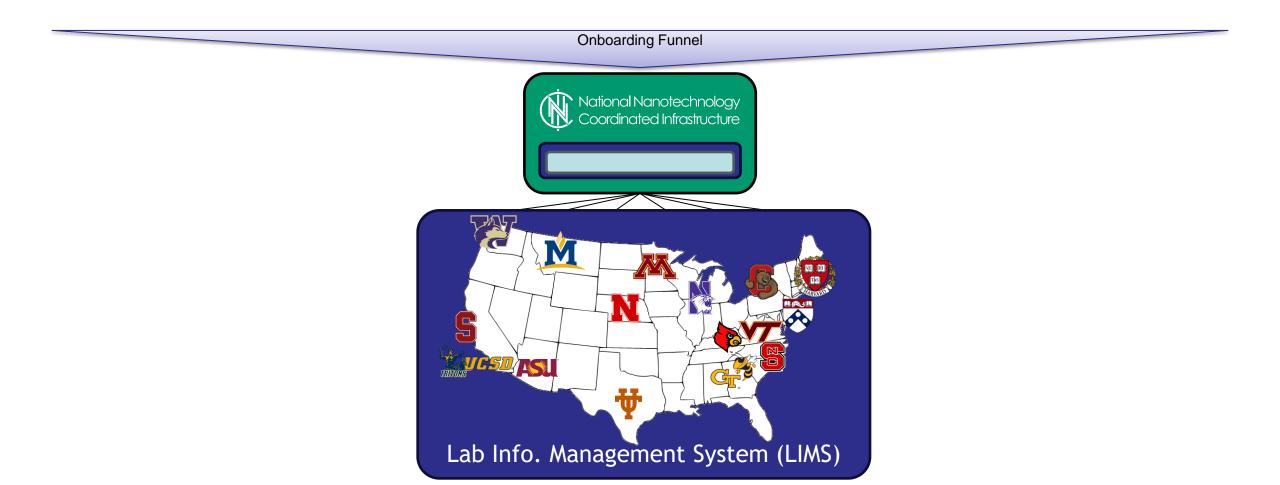








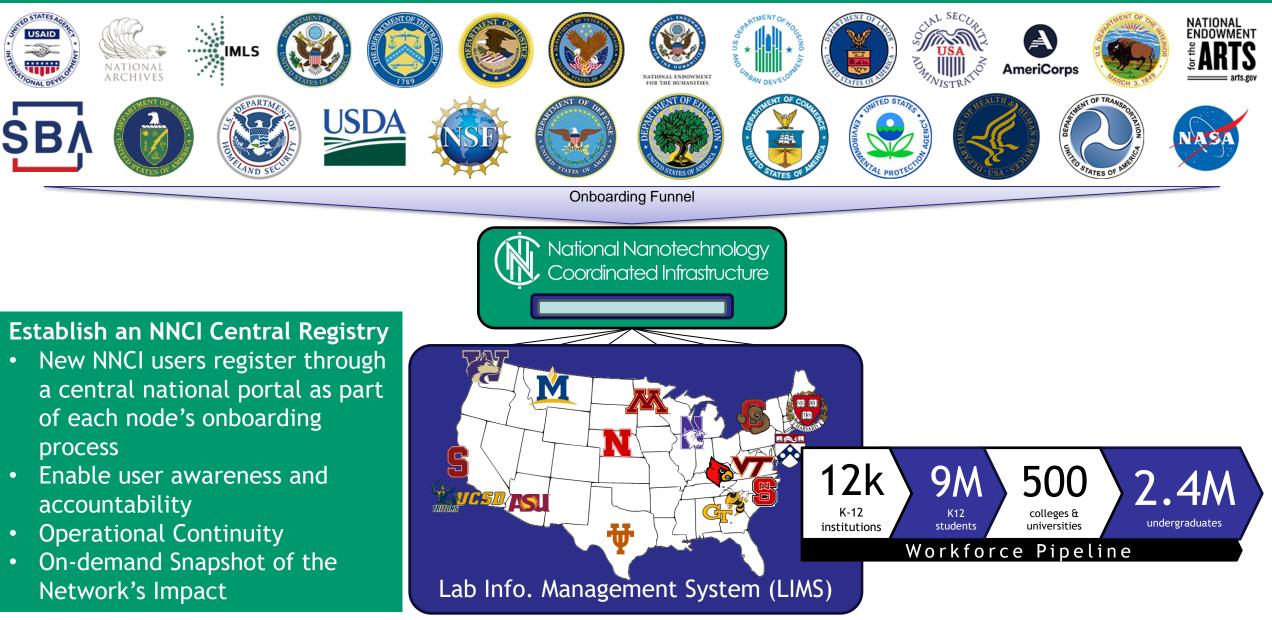
### 25,000 SBIR Proposals















#### Establish an NNCI Central Registry

- New NNCI users register through a central national portal as part of each node's onboarding process
- Enable user awareness and accountability
- Operational Continuity
- On-demand Snapshot of the Network's Impact



**Broaden Partnerships** (for workforce development + awareness)

- Government: state / local
- Academia: school districts, vocational, IHE
- Industry: employment / innovation pipelines