



Welcome to PNNL

Jud Virden

Associate Lab Director



ENERGY STORAGE

SAFETY & RELIABILITY
FORUM 2022



PNNL is one of DOE's **most diverse national laboratories**



\$1.24B Spending



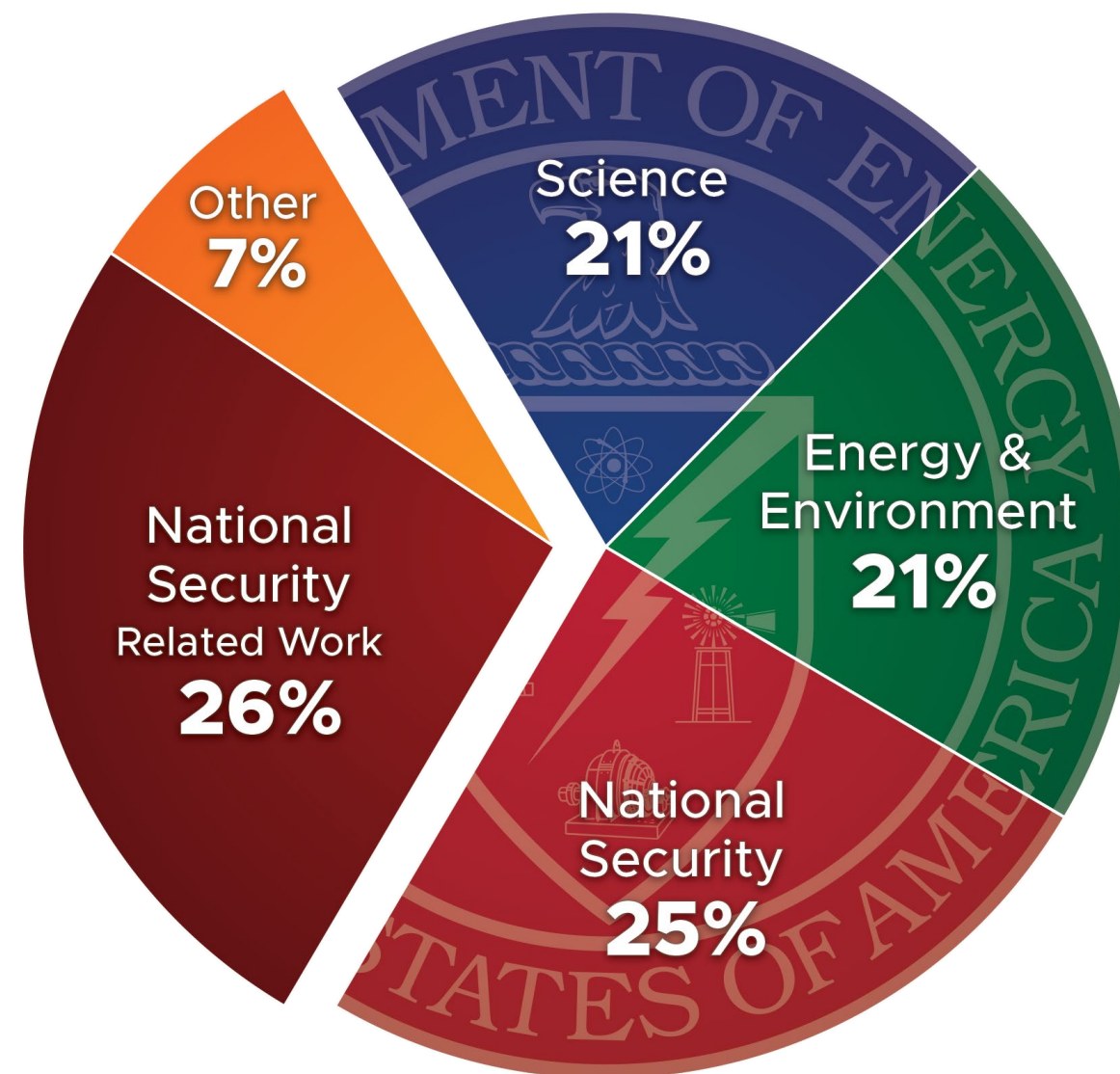
5,300 Staff



1,755 Peer-reviewed Publications

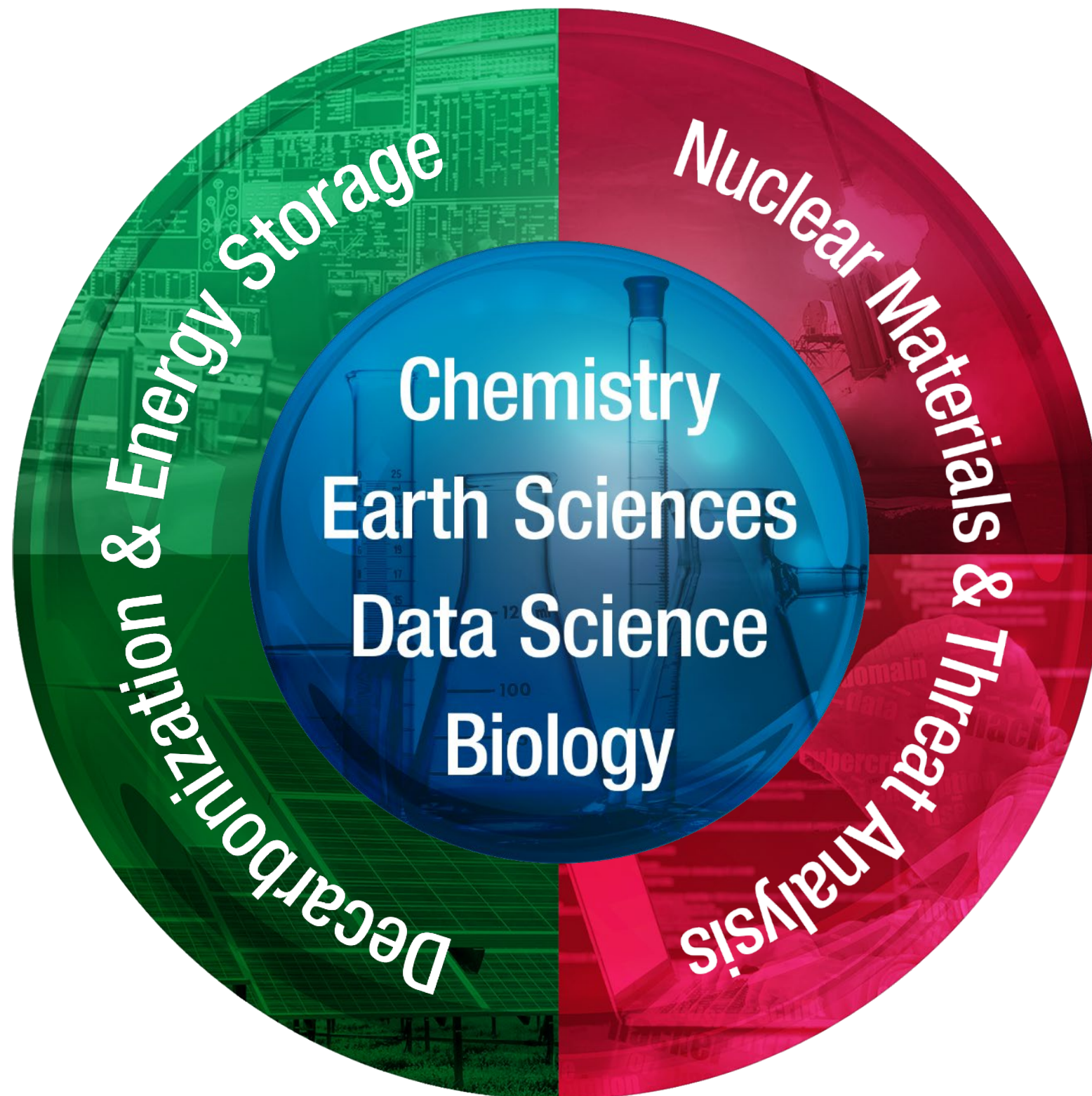


247 Invention Disclosures



FY 2021 Spending

PNNL's distinguishing
strengths enable
mission **impact**

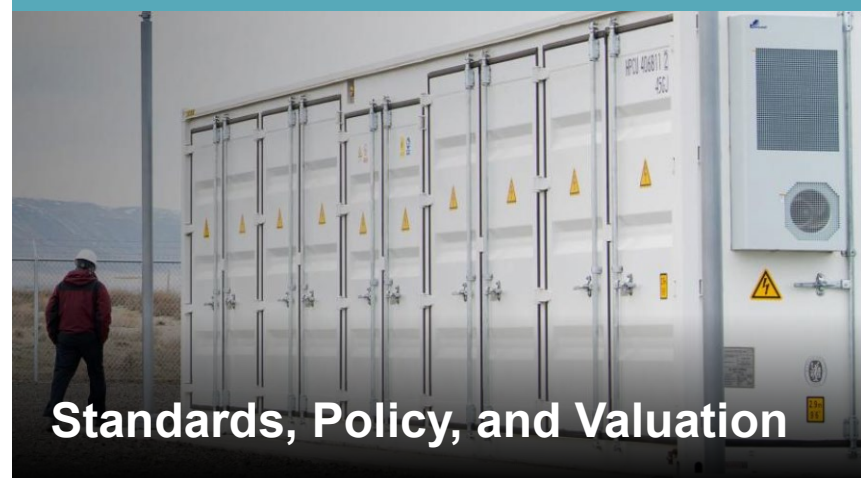


Energy storage research at PNNL

Science and Technology



Deployment and Implementation





DOE Office of Electricity's Grid Storage Launchpad

Validate

Accelerate

Collaborate



\$75M

TOTAL
ESTIMATED
COST

100

WORKSTATIONS

30

LAB MODULES

Site as of April 29, 2022



U.S. DEPARTMENT OF
ENERGY

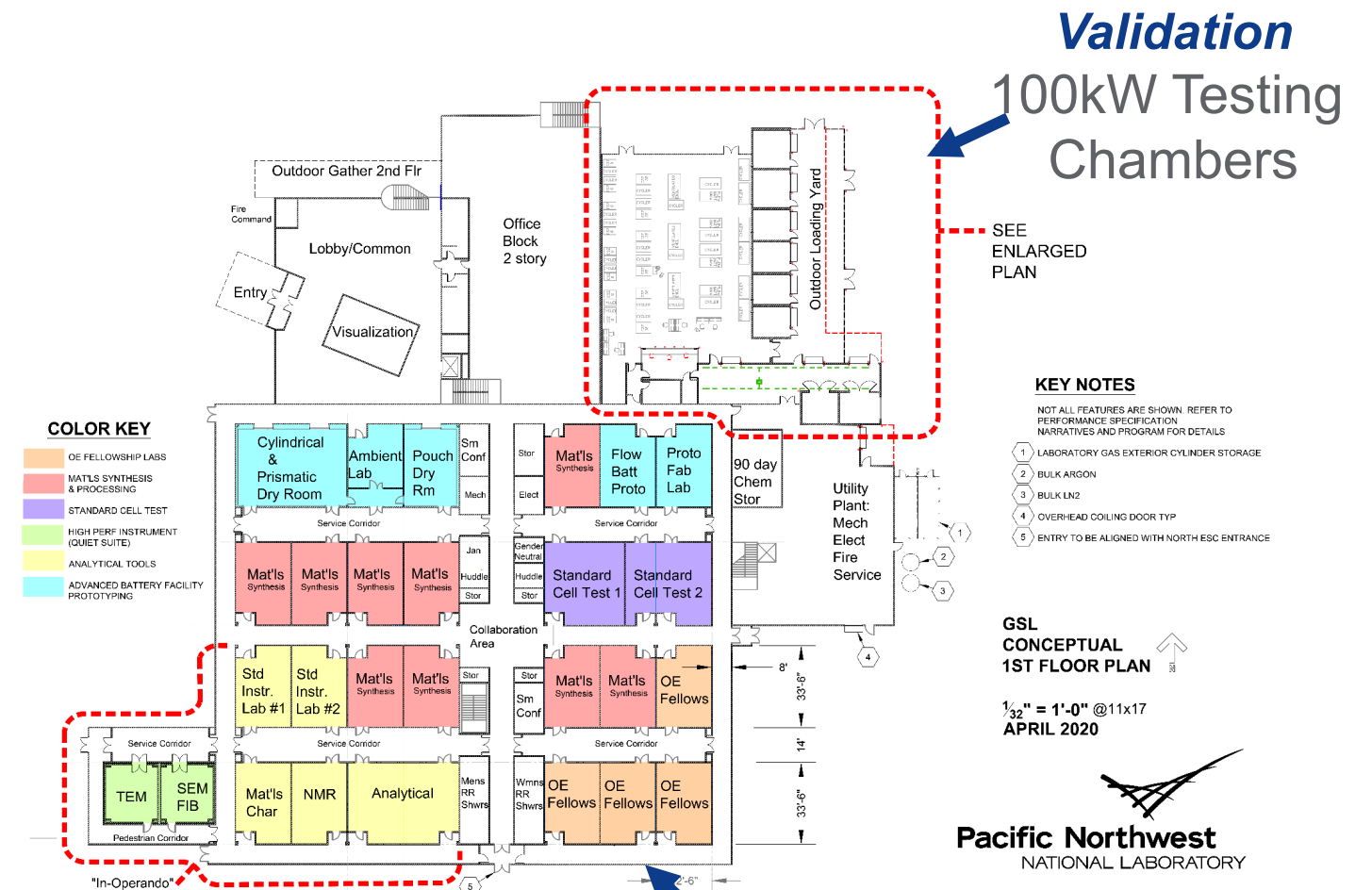
OFFICE OF
ELECTRICITY

**ENERGY
STORAGE**

SAFETY & RELIABILITY
FORUM 2022

Grid Storage Launchpad will include...

- Offices and 35 research laboratories
- 100 kW testing chambers
- Dedicated characterization tools
- Visualization laboratory
- Flexible workstations and collaboration spaces
- Dedicated space for researchers to develop storage technologies



DOE Office of Electricity Energy Storage Safety and Reliability Forum

- Many thanks to Imre Gyuk and the DOE Office of Electricity
- Enjoy your time together
- Build productive collaborations



ESSSRF 2019.



Thank you



ENERGY STORAGE

SAFETY & RELIABILITY
FORUM 2022

