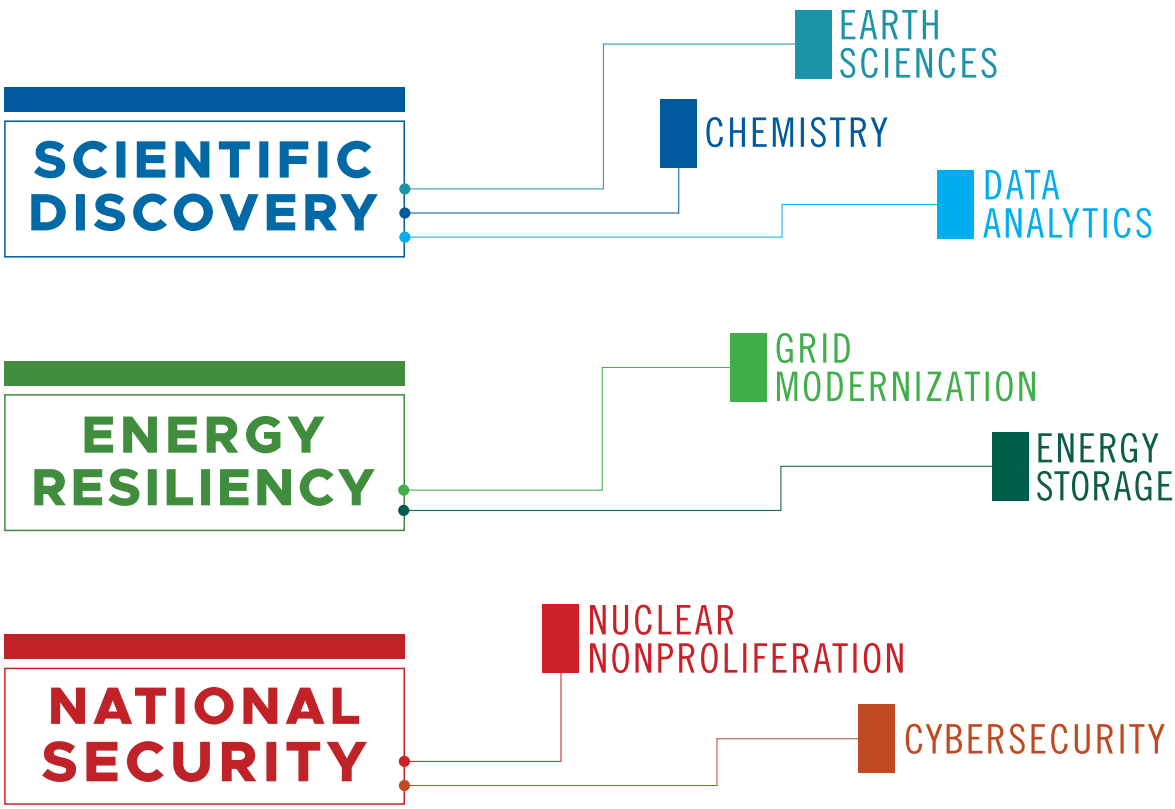
Pacific Northwest
NATIONAL LABORATORY

FOR MORE THAN HALF A CENTURY, PNNL has advanced the frontiers of scientific discovery. Distinctive strengths in chemistry, Earth sciences, and data analytics are the heart of our science mission, laying a foundation for innovations that improve America's energy resiliency and enhance our national security.



PNNL BY THE NUMBERS (FY2019 DATA)

4,722
Scientists, engineers, and professional staff

88
U.S. and foreign patents

265
Invention disclosures

1,193
Peer-reviewed, published articles in 2019

$1.09B
Total funding

PNNL-SA-144869

PNNL.GOV

Extending the boundaries of knowledge

PNNL takes on great challenges in science, energy, and national security.

Reinventing Chemical Catalysis

PNNL is using the power of chemistry to create new fuels and advanced materials from abundant, domestic waste materials like carbon and nitrogen.

Understanding Earth System Dynamics

Focusing on complex interactions of land, water, and the atmosphere, PNNL is improving the predictive power of Earth system models.

Mastering Nuclear Materials Processing

New insights into radioactive materials are equipping PNNL researchers to design nuclear processes that minimize waste, reduce environmental impacts, and improve fuel performance.

Accelerating Science with Extreme-Scale Models/Big Data

PNNL is applying machine learning and data analytics to spur discovery across a wide range of science and engineering fields.

Realizing a Secure, Flexible, Resilient Electric Power System

Researchers at PNNL are securing the power grid from cyberattack and developing grid-scale energy storage technologies for a more flexible and resilient electric power system.

Fortifying Critical Infrastructure against Cyber Threats

Emerging PNNL-developed cyber defenses offer unprecedented speed and effectiveness in detecting and responding to cyber threats, safeguarding our most important and vulnerable systems.

Harnessing Quantum Information Sciences for Scientific Discovery

PNNL is applying advances in the growing field of quantum computing to design new materials and chemical catalysts.

BATTELLE

Learn more: **pnnl.gov**

U.S. DEPARTMENT OF ENERGY