

# Pacific Northwest National Laboratory Overview

DOE EPSCoR Meeting

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**Pacific Northwest**  
NATIONAL LABORATORY

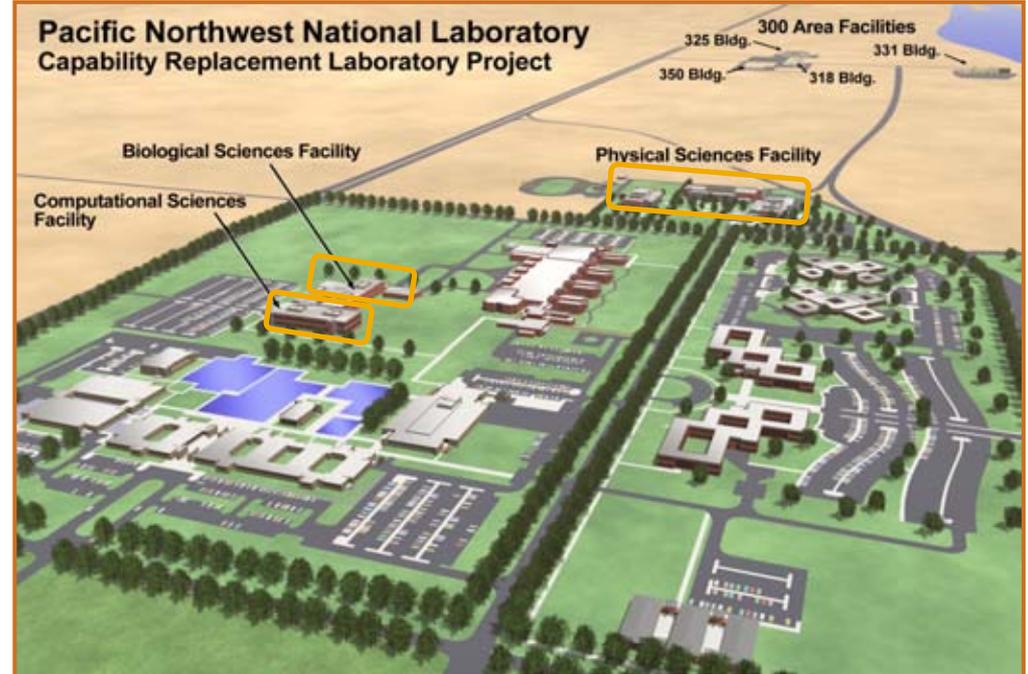
# PNNL at a glance

PNNL delivers leadership and advancements in science, energy, national security and the environment for the benefit of the U.S. Department of Energy and the nation.

- ▶ Continuous operations since 1965; the original mission focused on nuclear technology
- ▶ Recognized as a national laboratory in 1995
- ▶ 4,000 staff (800 Ph.D.s)
- ▶ Annual business volume of approximately \$855 million



# Continuing a legacy of world leading science and technology through cutting-edge research facilities



Today

2011

# Battelle at a glance

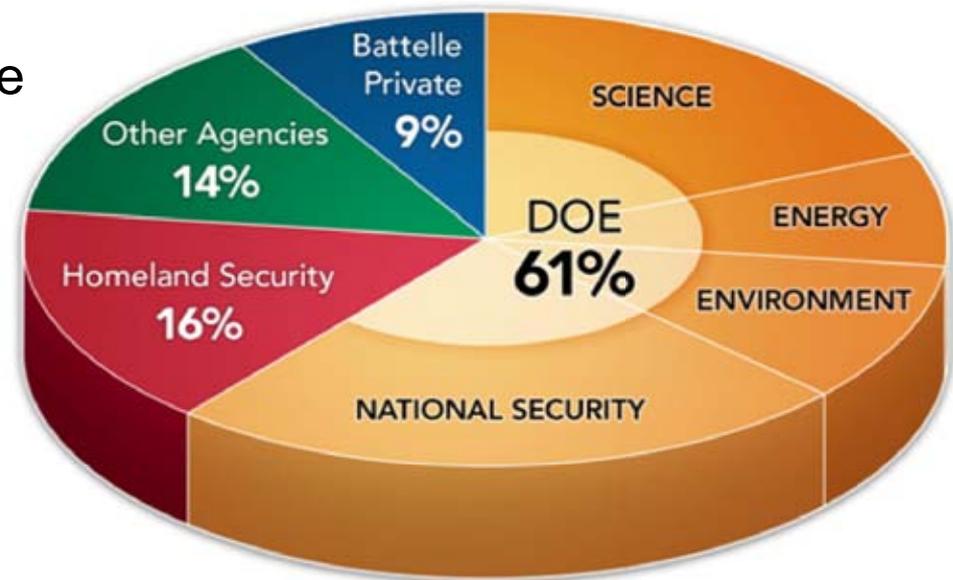
A leader in  
technology  
development and  
lab management

- ▶ \$4 billion total revenue
- ▶ 20,400 staff (includes labs)
- ▶ 30+ scientific user facilities
- ▶ Battelle Memorial Institute won the contract to operate the Lab in 1964 and began management in 1965



# Our customers count on our expertise to help them define the future

- ▶ 61% of annual business volume is in support of DOE missions
  - Fundamental Science
  - Energy
  - Environment
  - National Security
- ▶ Mission-driven collaborations with industry and universities advance fields



# Mission Driven: Delivering Science, Technologies and Leadership to...

## Mission Outcome

Strengthen U.S. scientific foundations for innovation



## Examples

Biomarkers to detect early-stage environmental and health problems



Increase U.S. energy capacity and reduce dependence on imported oil



Converting hydrocarbons to fuels



Prevent and counter acts of terrorism and the proliferation of weapons of mass destruction



Detecting nuclear and Radiological materials and borders and ports



Reduce environmental effects of human activity and create sustainable systems



Preventing and reducing contaminants in water supplies



# Some Key University Collaborations



**JGCRI** The Joint Global Change Research Institute  
A collaboration of the Pacific Northwest National Laboratory and the University of Maryland



**MICROPRODUCTS**  
**Breakthrough Institute...**  
*...for solving big problems*

# EMSL: A Key Research Facility at PNNL

