The Future of the Pacific Northwest National Laboratory

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Dr. Steven Ashby, Laboratory Director
PNNL’s Richland Campus
PNNL leverages its science base to provide national leadership
PNNL science vision: Understand, predict, and control complex adaptive systems

**EARTH**
- Clouds and Aerosols
- Water Cycle
- Microbial Communities

**ENERGY**
- Energy Storage
- Energy Conversions
- Control and Security

**SECURITY**
- Ultra-Trace Detection
- Novel Signatures
- Data-Driven Discovery
Security Systems: PNNL is a leader in nonproliferation and technologies used to verify the Comprehensive Nuclear Test-Ban Treaty
Earth System: PNNL focuses on understanding the carbon cycle and its role in the climate
Energy system: PNNL is a leader in grid and energy storage, working to realize the smart grid of the future.
The Systems Engineering Laboratory will support Data Analytics research.
• Access to Market
• Commercial Need

• Scientific & Technical Expertise
• Unique Facilities

• Land/Buildings
• Investor Networks