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**Pacific Northwest National Laboratory** 



Addressing US Pacific Command Challenges

Pacific Operational Science & Technology Conference

Dr. Steven Ashby, Laboratory Director March 3, 2016

DISCOVERY





#### PNNL is a National Lab with global impact



# PNNL leverages a strong science base to provide national leadership





# PNNL strives to understand, predict and control complex adaptive systems



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### **EARTH**

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

#### **ENERGY**

- **▶** Energy Storage
- EnergyConversions
- Control and
- Security

### SECURITY

- Ultra-Trace Detection
- Novel Signatures
- Data-Driven Discovery

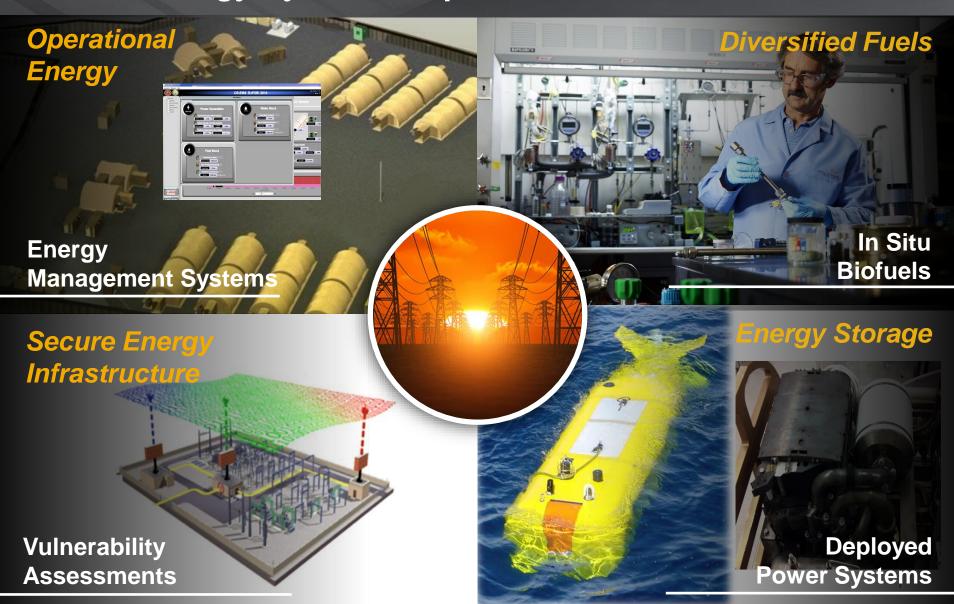
## Addressing PACOM Challenges by Leveraging PNNL's Earth Systems Capabilities





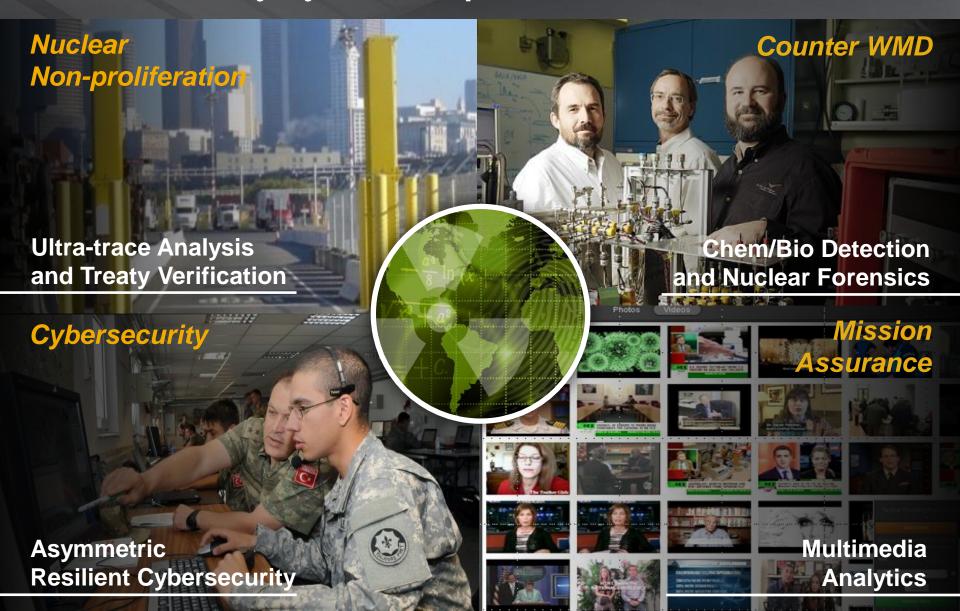
### Addressing PACOM Challenges by Leveraging PNNL's *Energy Systems* Capabilities





## Addressing PACOM Challenges by Leveraging PNNL's Security Systems Capabilities





# DOE National Laboratories are committed to delivering national and global impact



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**Mission-focused** Relevant capabilities Proven track record Eager to team

#### Strength in Partnership







