

## **MAP16**

# **A SPECTRUM OF OPERATIONAL MODELING AND SIMULATION IN THE NATIONAL SECURITY DOMAIN AT THE PACIFIC NORTHWEST NATIONAL LABORATORY**

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### **Abstract**

This presentation will highlight a diverse range of projects conducted at the Pacific Northwest National Laboratory (PNNL) that draw on our expertise in operational modeling, simulation, and data science. These projects span a broad spectrum of applications in the national security domain, all supported by various government sponsors. Critical issues addressed include pandemic response, combating the opioid epidemic, optimizing renewable energy systems, modeling operations subject to radiation detection screening, and enhancing the security of our nation's airports.

### **Conference Track**

Military Applications