



# **Consortium for Verification Technology**

## ***LANL Overview***

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CVT Kickoff Workshop  
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# Key Capabilities & Resources

## Capabilities:

- Radiation detection
- Advanced nuclear experiments
- Environmental sampling
- Radiochemical analysis
- Space & remote sensing
- Actinide science
- Field deployment of instruments
- Modeling & simulation
- Risk analysis & decision support
- Hands-on training
- International engagement

## Resources:

- Expertise of technical staff
- Safeguards training laboratory
- User facilities (e.g., LANSCE)
- Nevada National Security Site
- High performance computing
- Student & postdoc programs



~900 students  
~400 postdocs



# Research, Development, Training & Deployment

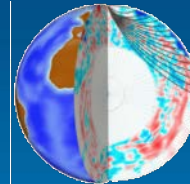
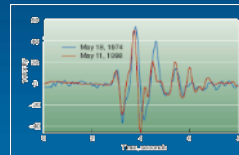
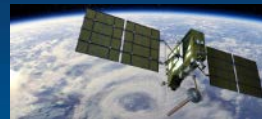
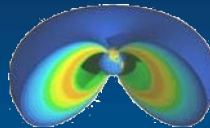
## Safeguards Science & Technology:

- 40+ years of nuclear instruments & methods
- Inspector training



## Nuclear Test Monitoring:

- Space- and ground-based sensing systems
- On-site inspection



## Warhead Verification & Dismantlement:

- Attribute measurement
- Authentication

