The Center for Education and Research in Information Assurance and Security

Information Security Research and Education (INSuRE)

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Background:

The goal of the 54 Centers of Academic Excellence-Research (CAE-R) is to increase our understanding of robust cybersecurity technology, policy, and practices that will enable our nation to effectively prevent, detect, and respond to a catastrophic cyber event.

Time is of the essence in the area of cybersecurity, leading to the need for *less* internal competition, and *more* cooperation so that together we secure cyberspace for America and Americans.

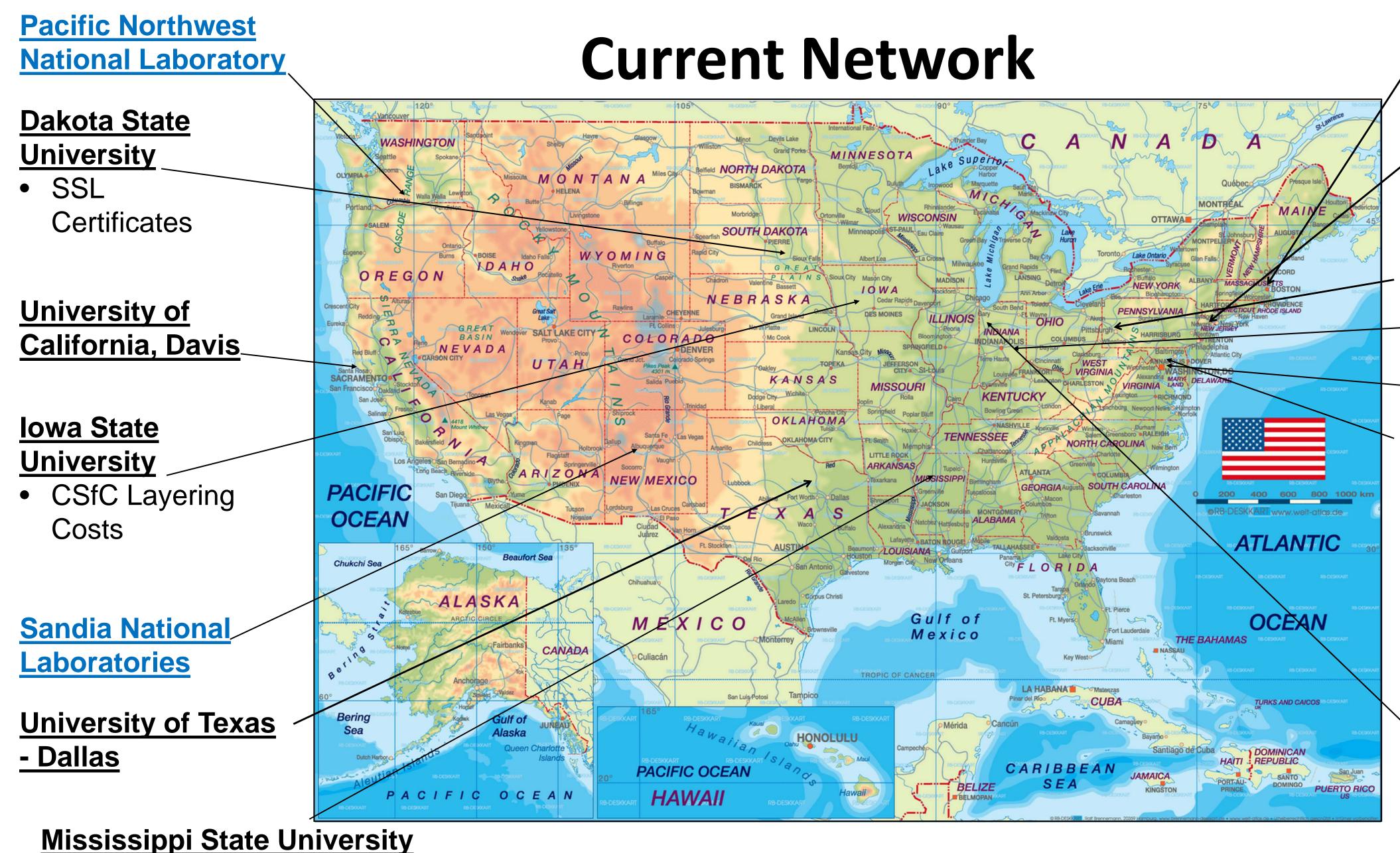
Current institutional situation:

Competitors, not co-operators, for:

- Students
- Research grants
- Partnerships

Costs of competition:

- Financially costly
- Produce redundancy
- Thwart innovation/repeat failures
- Produce slowness



Industrial Control Systems

What is the INSuRE Project?

Northeastern University

Stevens Institute of Technology

Carnegie Mellon

Indiana Office of Technology National Security Agency

University of Maryland, Baltimore County

- SSL Certificates
- Password Policy
- Google Glass Forensics
- Machine Assisted Software Analysis
- Password Replacement with FIDO

Purdue University

- Public Cloud Providers
- Password Strength Analysis
- Data Spillage in Hadoop Clusters
- FIDO Password Replacement
- Risk Analysis CSfC

The INSuRE project is an attempt to pilot and scale a sustainable research network that:

- 1. Connects institution-level resources, University enterprise systems, and national research networks;
- 2. Enables more rapid discovery and recommendation of researchers, expertise, and resources;
- 3. Supports development of new collaborative science teams addressing new or existing research challenges;
- 4. Exposes and engages graduate students in research activity of national priority at participating institutions;
- 5. Provides development and sharing of tools that support research, and,
- 6. Facilitates evaluation of research, scholarly activity, and resources, especially over time.





