

APPLIED RESEARCH LABORATORY

UNIVERSITY OF HAWAII 'I

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Applied Research Laboratory

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UHARL

- Established July 2008
- 33 Staff, Researchers, Students, Technicians
- 10 Current Projects
- \$16M Current Portfolio
75% Navy funded
- \$26M Lifetime Portfolio
51% Navy funded
- 80% of Navy funding comes from NAVFAC

Core Competencies

- Ocean Environmental Effects
- Astronomical Research
- Electro-Optical and Detection Systems
- Communications, Networks, Protocols, C4I Systems
- New Renewable Energy

Contract Characteristics

- *Cyber Security*
- *Mission-Related and Public-Service-Oriented R&D*



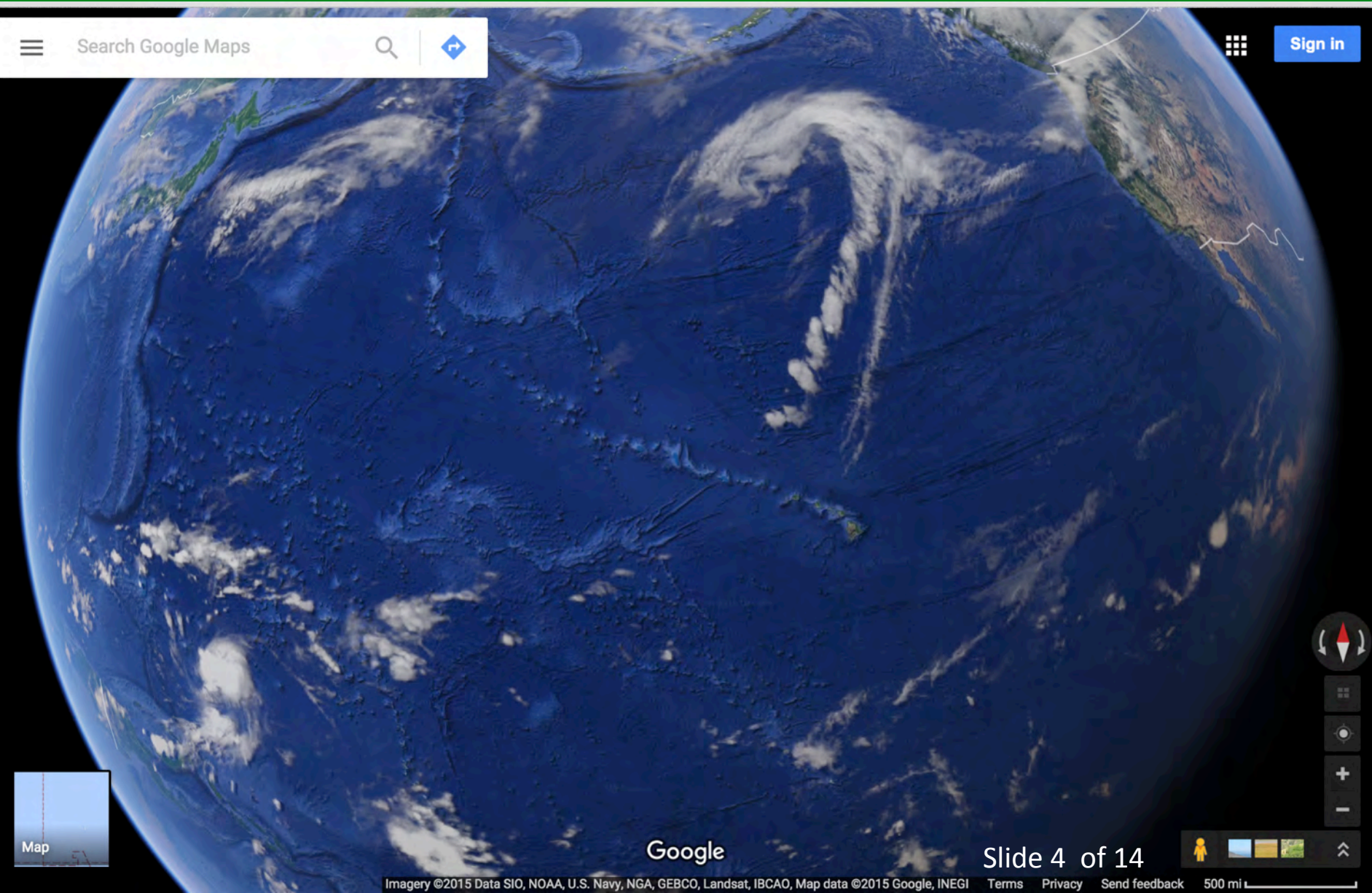
Why UHARL?

APPLIED RESEARCH LABORATORY

UNIVERSITY OF HAWAI'I



Location Matters



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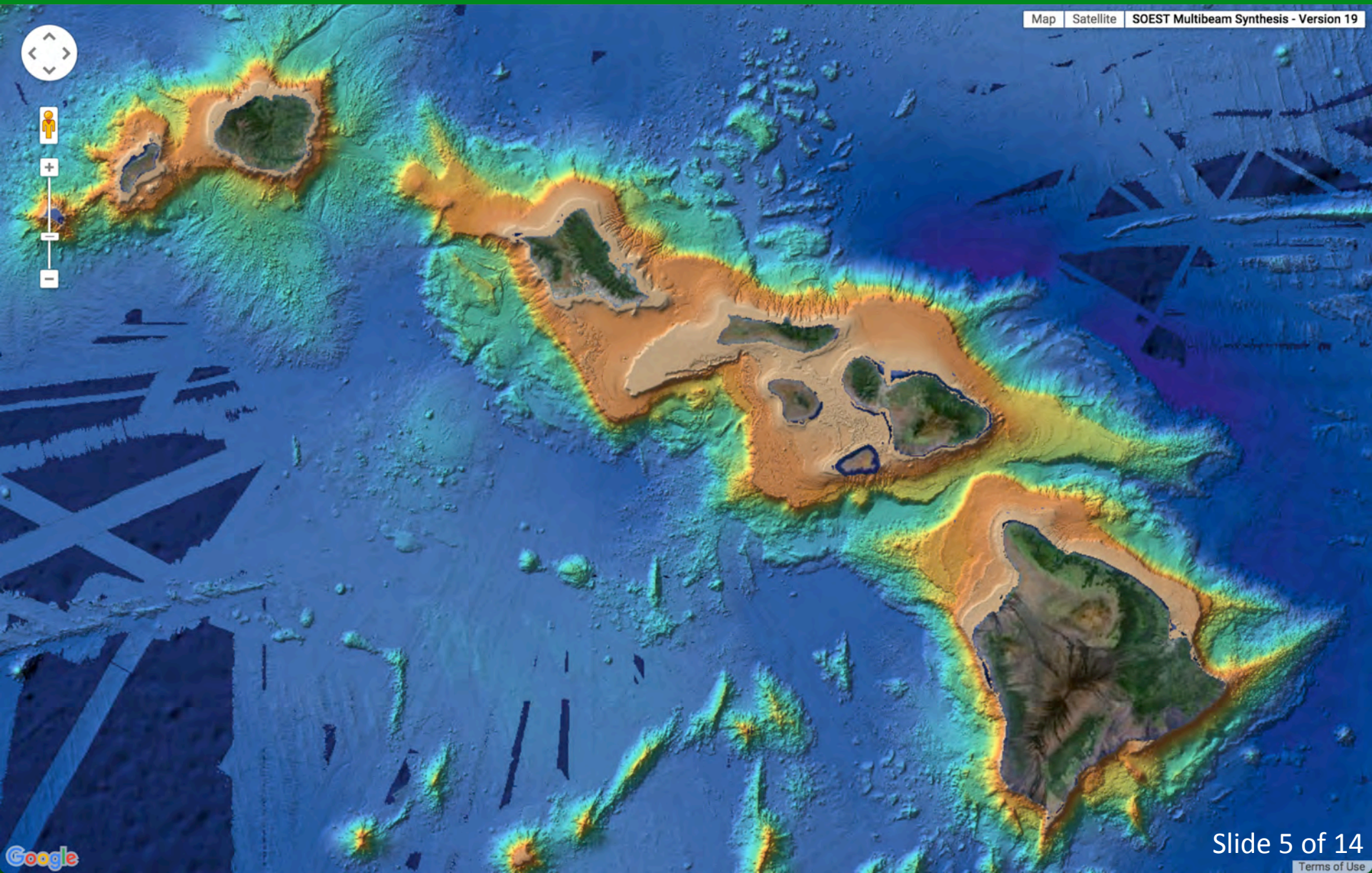
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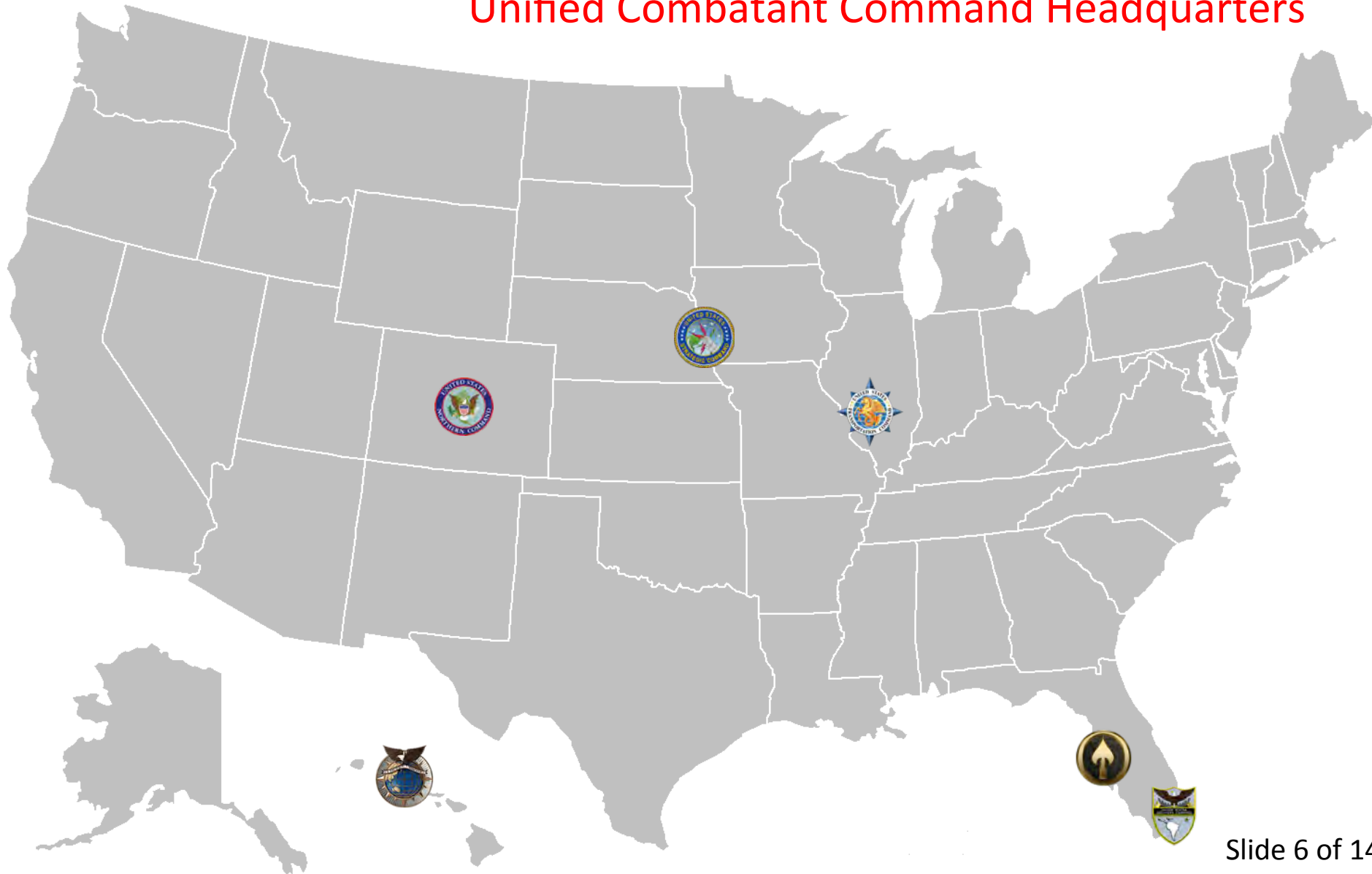
Google

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Physiography Matters

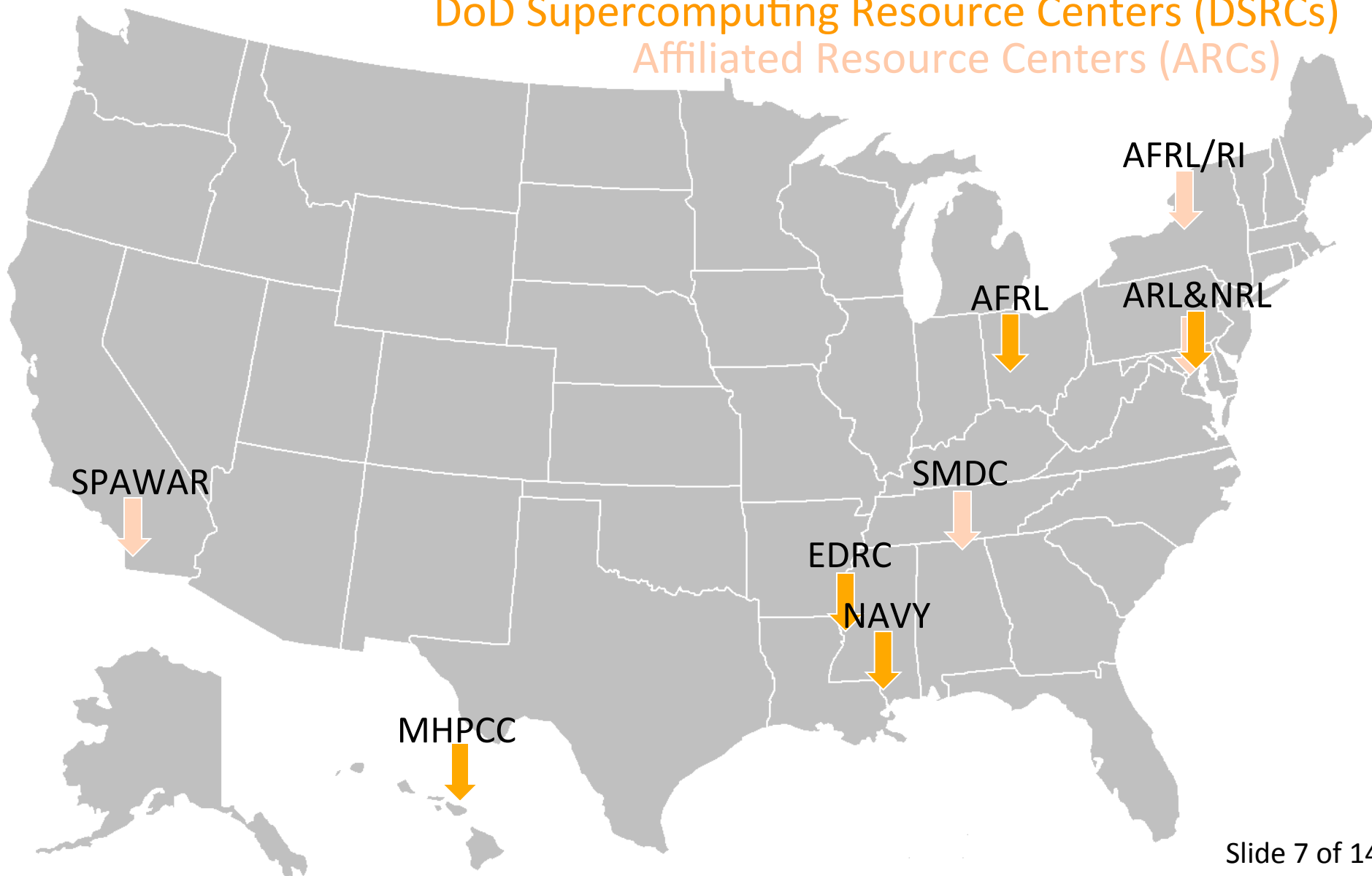


Unified Combatant Command Headquarters



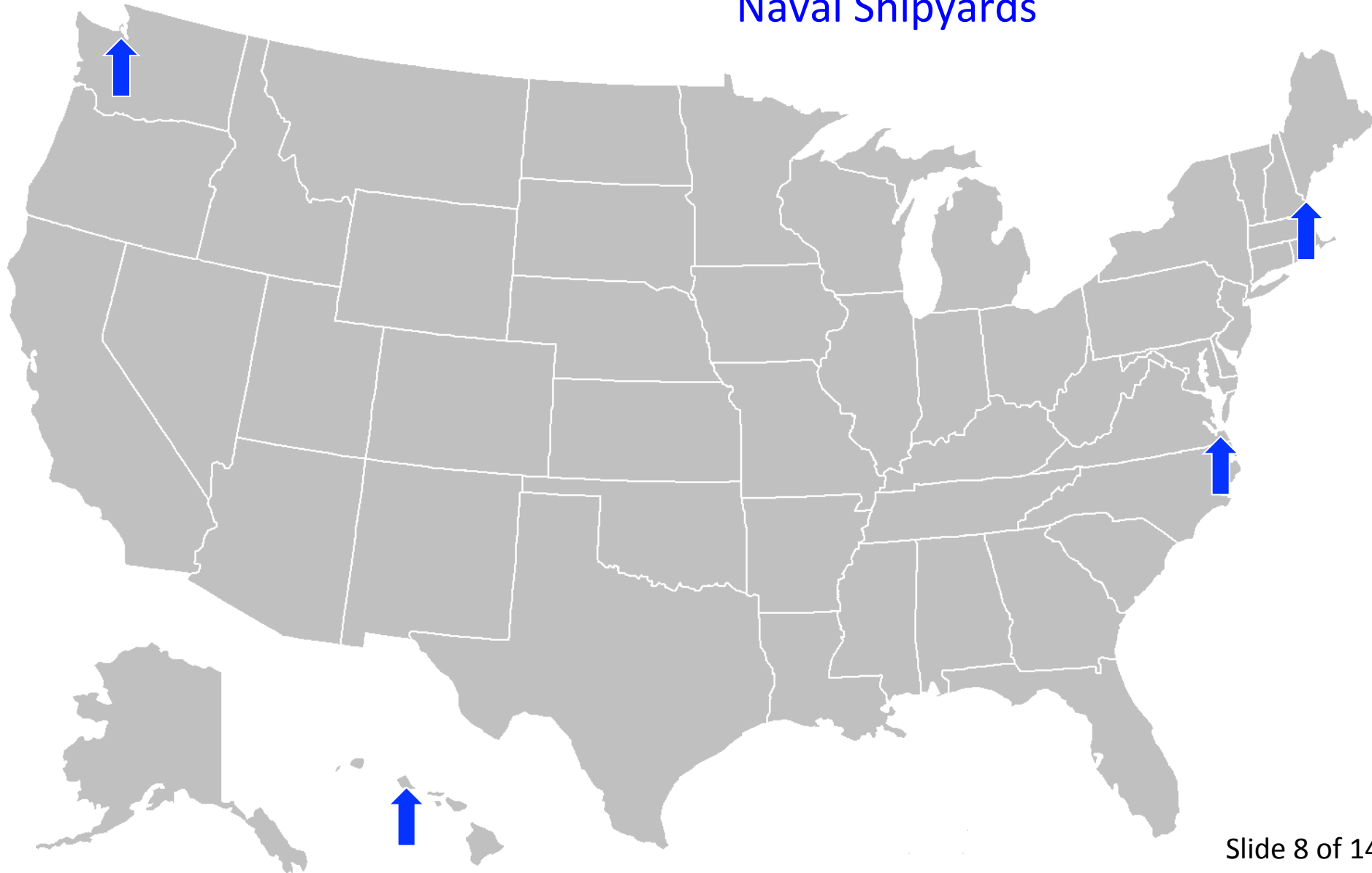
Co-Location Matters

DoD Supercomputing Resource Centers (DSRCs)
Affiliated Resource Centers (ARCs)



Co-Location Matters

Naval Shipyards



Co-Location Matters

National Security Agency Facilities



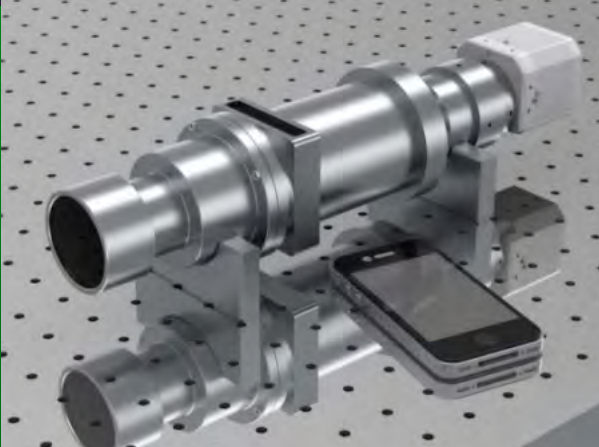
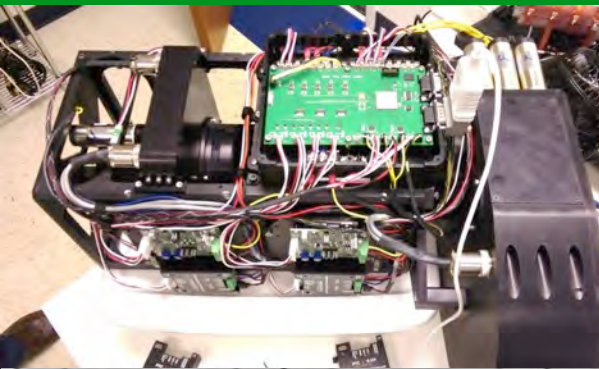
Co-Location Matters

Combined Needs, Facilities, Capabilities in Hawaii

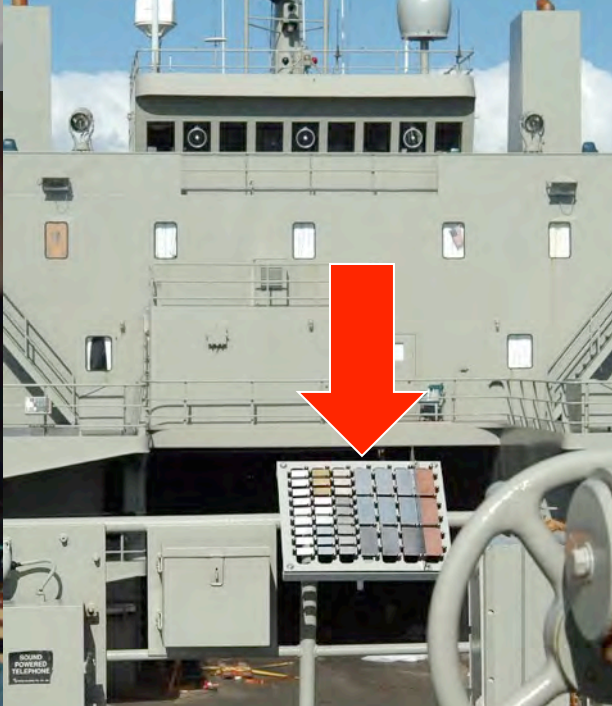
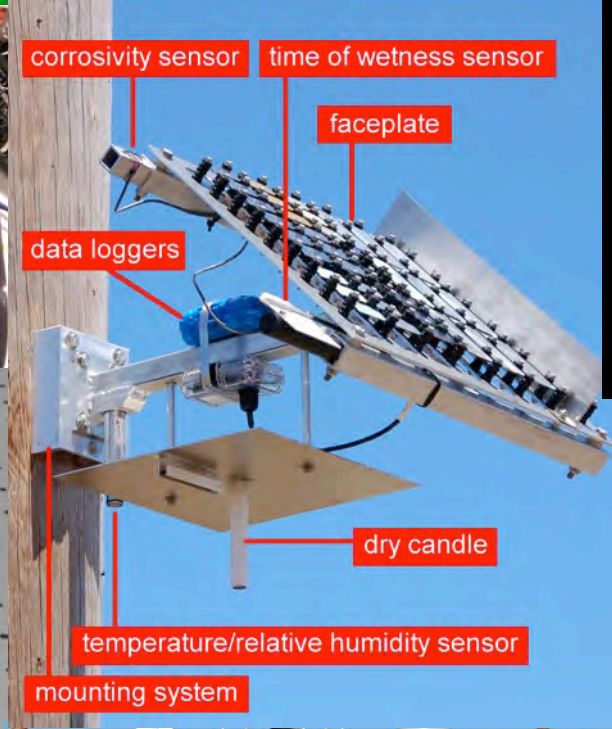


Uniquely Hawaiian





Hawai'i Space Flight Laboratory



InfraSound: There's an App for That



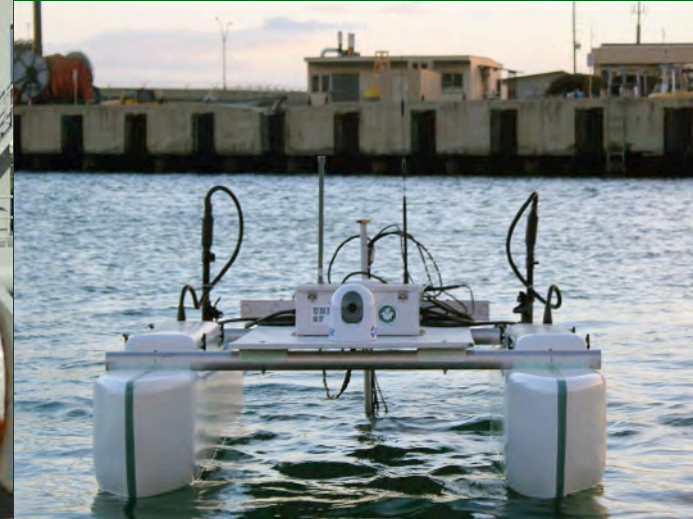
REDVOX
INFRA SOUND
RECORDER



ISLA



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Then, and Now

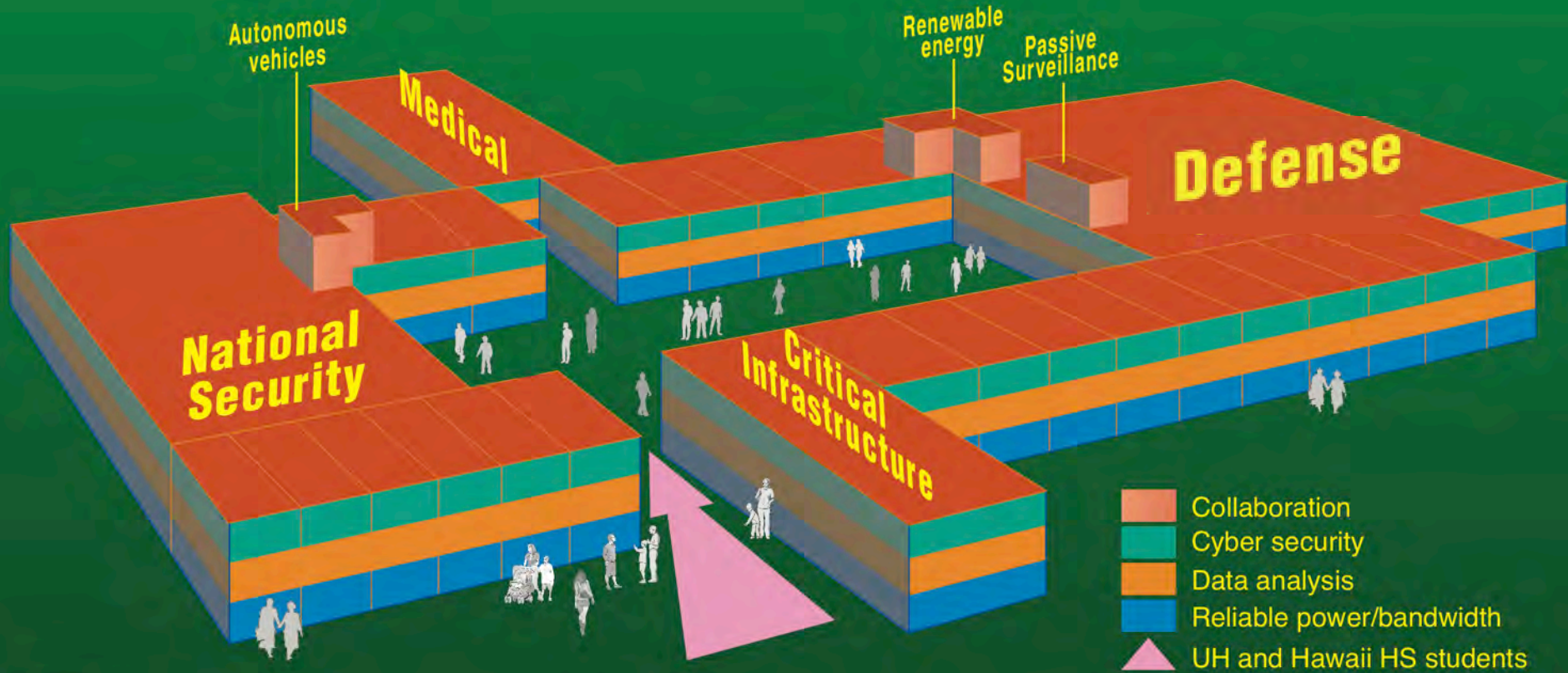
*What does a
21st Century
UARC look
like?*



Strategic Vision

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Intelligence, Surveillance, Reconnaissance (ISR)