DoD Arctic S&T Synchronization Workshop

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Director of R&D and Chief Scientist
US Army Corps of Engineers

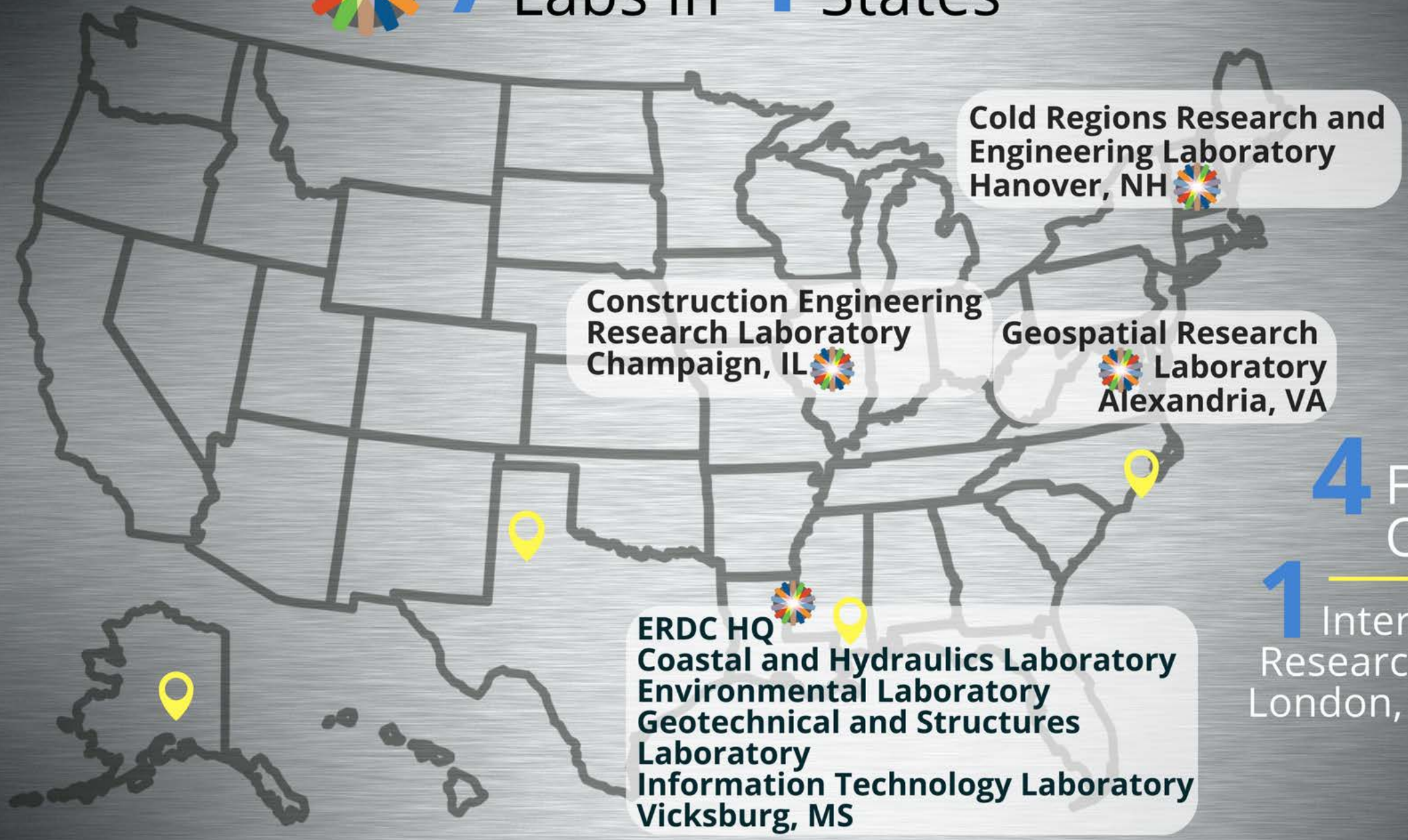
May 2018

US Army Corps of Engineers

ERDC
ENGINEER RESEARCH & DEVELOPMENT CENTER

Innovative solutions for a safer, better world

7 Labs in 4 States



4 Field Offices

1 International Research Office, London, England

U.S. ARMY ENGINEER RESEARCH AND DEVELOPMENT CENTER

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POD/TAD LEAD

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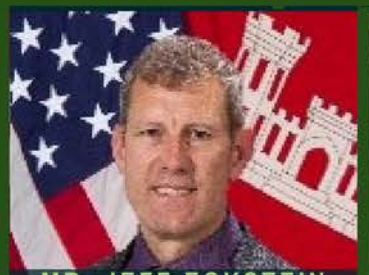


MR. JEFF ECKSTEIN
Coastal and Hydraulics Laboratory

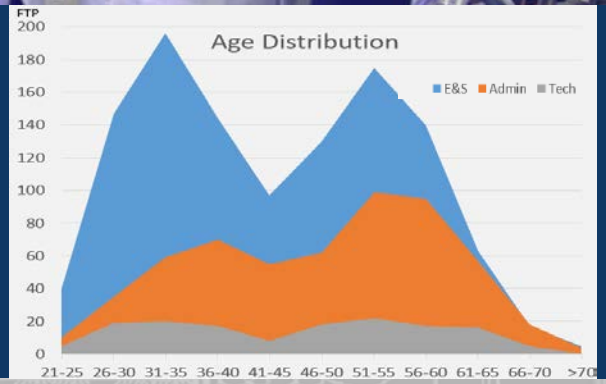
DR. JOE FONTANELLA
Geospatial Research Laboratory

MVD/SAD LEAD

Our People - the Source of our Strength

Discover | Develop | Deliver

new ways to make the world safer and better



2,100 Strong

55% E&S

76% Advanced Degrees

31% PhDs

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Research Areas

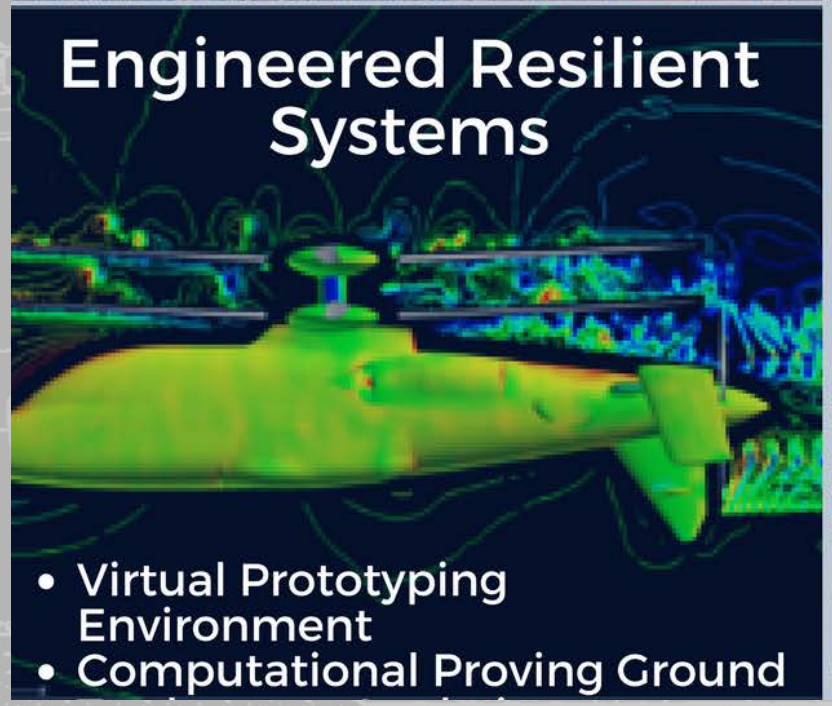
Military Engineering

- Force Protection
- Force Projection
- Maneuver Support

Civil Works

- Navigation
- Flood & Coastal Risk Mitigation
- Environment

Engineered Resilient Systems

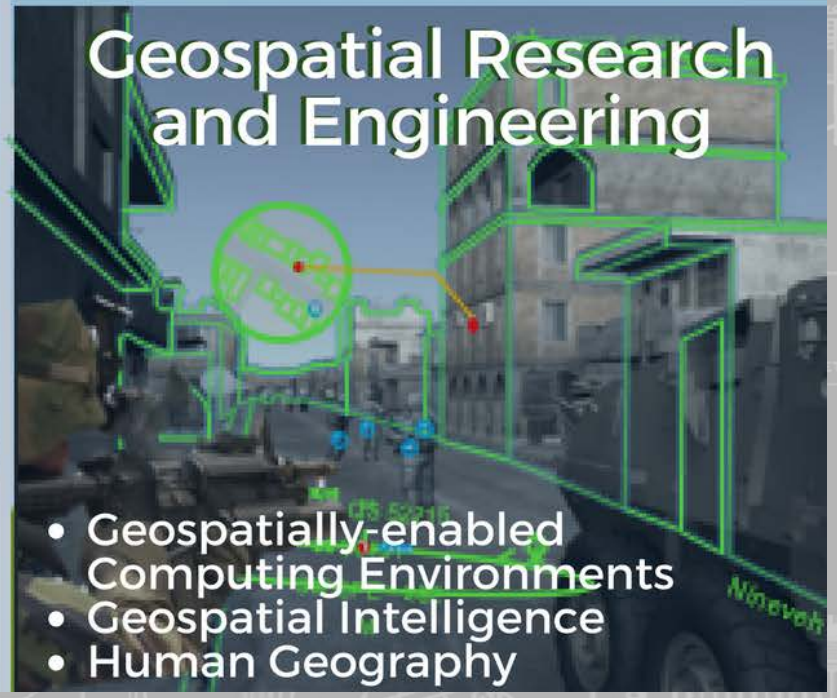


- Virtual Prototyping Environment
- Computational Proving Ground

Environmental Quality and Installations

- Contingency Basing
- Environmental Lifecycle
- Training Lands
- Sustainable Infrastructure

Geospatial Research and Engineering



- Geospatially-enabled Computing Environments
- Geospatial Intelligence
- Human Geography