ENVIRONMENTAL LABORATORY

Providing solutions to tomorrow's environmental challenges

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US Army Corps of Engineers

https://www.erdc.usace.army.mil/

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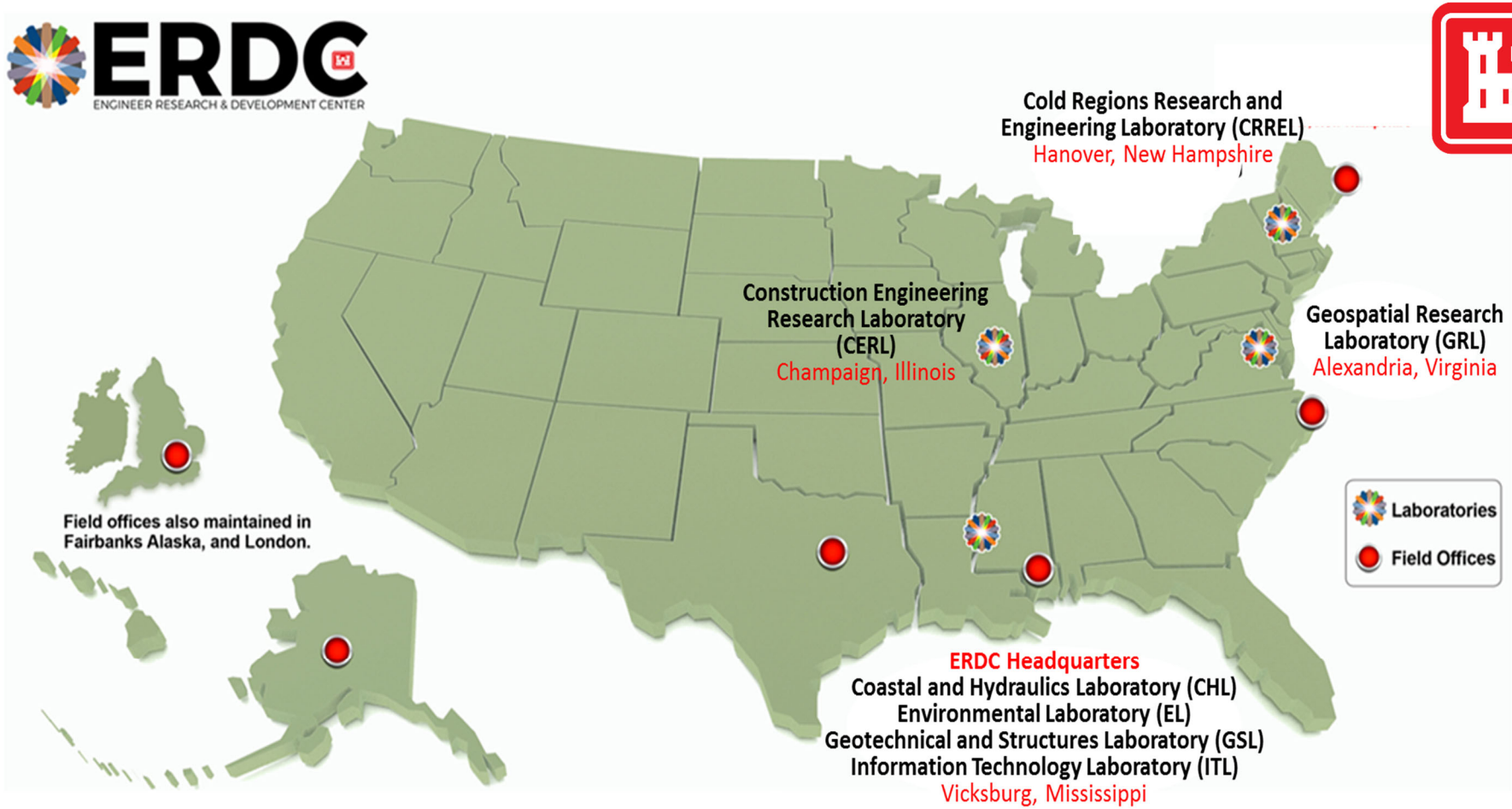
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Cold Regions Research and Engineering Laboratory (CRREL)
Hanover, New Hampshire
Construction Engineering Research Laboratory (CERL)
Champaign, Illinois
Geospatial Research Laboratory (GRL)
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Information Technology Laboratory (ITL)
Vicksburg, Mississippi

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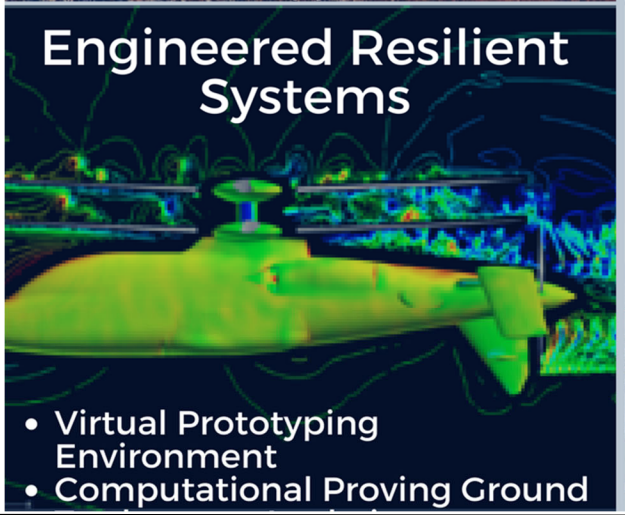
Research Areas



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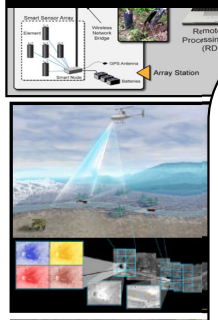
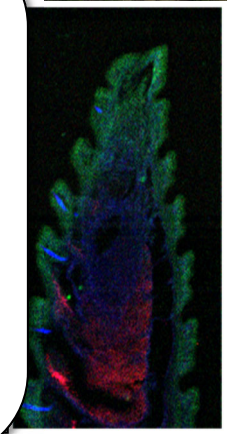
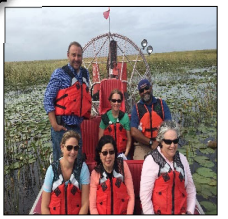
MISSION

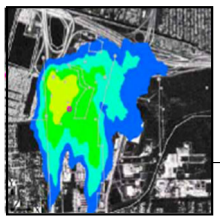


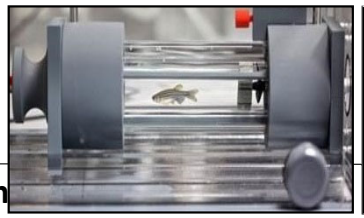
ERDC MISSION - Help solve our Nation's most challenging problems in civil and military engineering, geospatial sciences, water resources, and environmental sciences for the Army, Department of Defense, civilian agencies and our Nations public good.

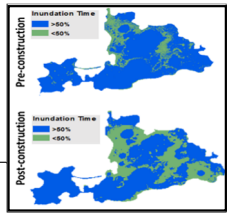
EL MISSION - Providing solutions to tomorrow's environmental challenges





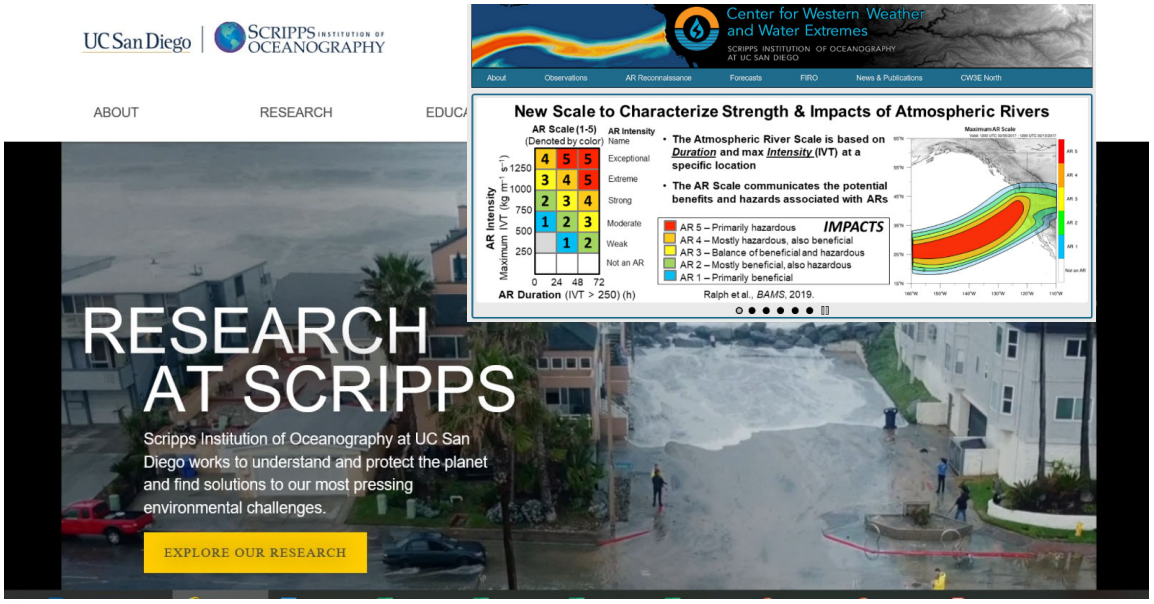






Investigating Atmospheric Rivers (AR) to Inform Reservoir Operations within the USACE

Research in conjunction with The Scripps Center for Western Weather and Water Extremes (CW3E) at UCSD and the USACE supports the Forecast-Informed Reservoir Operations project and is focused on developing improved atmospheric forecasting around AR events, which produce a majority of precipitation events in California. The institute is developing new tools through the CESU and a new scale to characterize ARs, which is already being used to communicate flood risk to the public in California and help support the USACE in making well informed water management decisions across the region.



Carly Ellis from CW3E installing a gaging station

Collaboration between Yuba Water Agency; the California DWR; UCSD Scripps, CW3E; USACE

Applying modern forecasting research will improve the ability to better predict the duration, intensity, and location of these storms and by providing critical data for water managers to determine how much water to release and when.

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EMRRP

https://emrrp.el.erdc.dren.mil

APCRP AQUATIC PLANT CONTROL RESEARCH PROGRAM

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Aquatic Nuisance Species ANSRP Research Program

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