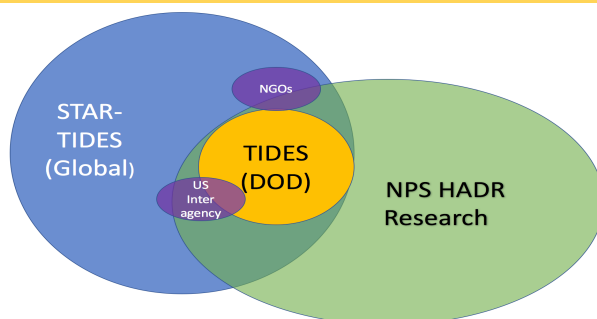


Making the Connections From Response to Recovery Through Research

In FY17, the Navy's node for the TIDES Community of Practice (COP) moved to Naval Postgraduate School's Cebrowski Institute for Innovation from its founding location at NDU.



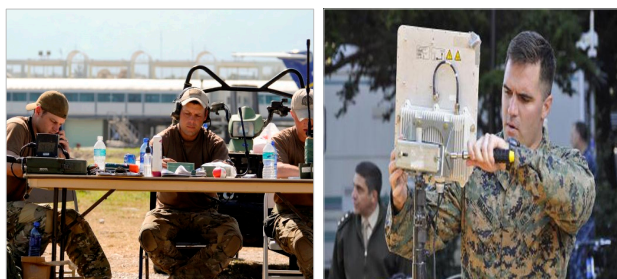
NPS HADR Research Leverages STAR-TIDES COP

Hastily Formed Networks (HFN)

Research Lead: John Gibson jhgibson@nps.edu
Graduate School of Information and Operations Science

- HFN: "A network formed quickly to respond to a crisis, emergency, or urgency, and is disbanded when the job is done. The ability to form multi-organizational networks rapidly is crucial to humanitarian aid, disaster relief, and large urgent projects. Designing and implementing the network's conversation space is the central challenge."

-Dr. Peter J. Denning, NPS, 2003



NPS student teams have gone to Indian Ocean Tsunami, Katrina, Haiti, Philippines, CA wildfires, numerous exercises as part of their thesis research.

Humanitarian Logistics

Research Lead: Dr. Aruna Apte, auapte@nps.edu
Graduate School of Business and Public Policy

- Humanitarian Logistics: "The process of planning, implementing and controlling the efficient, cost-effective flow and storage of goods and materials, as well as related information, from the point of origin to the point of consumption for the purpose of alleviating the suffering of vulnerable people."

- Jennifer Schwarz, Martin Kessler, TU Berlin, 2010

- "Because of its global presence, as well as the considerable special capabilities that come from special types of vessels and skilled individuals on board their vessels, the USN has been both capable and willing to provide disaster relief."

-Dr. Aruna Apte, NPS, 2017



NPS TIDES-Related Student Research (Partial List)

<https://calhoun.nps.edu>

- Strategies for Logistics in Case of a Natural Disaster
- Collaboration in humanitarian logistics: Comparative Analysis of Disaster Response in Chile and Haiti 2010
- Right Technology, Right Now An Evaluation Methodology for Rapidly Deployable Information and Communications
- Analysis of Employment of a Disaster Relief Damage Assessment System using Discrete Event Simulation
- Evaluation and Implementation of Media-Independent Handover in Hastily Formed Networks
- Financing Naval Support for Humanitarian Assistance and Disaster Response, an Analysis of Cost Drivers and Cash Flows
- Operational Effectiveness of Smartphones and Apps for Humanitarian Aid and Disaster Relief (HADR) Operations A Systems Engineering Study
- A Communications Strategy for Disaster Relief
- Optimized Positioning of Pre-disaster Relief Force and Assets
- Analysis of Social Network Collaboration Using Selected APAN Communications from the Haiti Earthquake of 2010

NPS POCs

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<http://www.nps.edu/web/cebrowski/tides>