

Better solutions.
Fewer disasters.
Safer world.



Safer World.

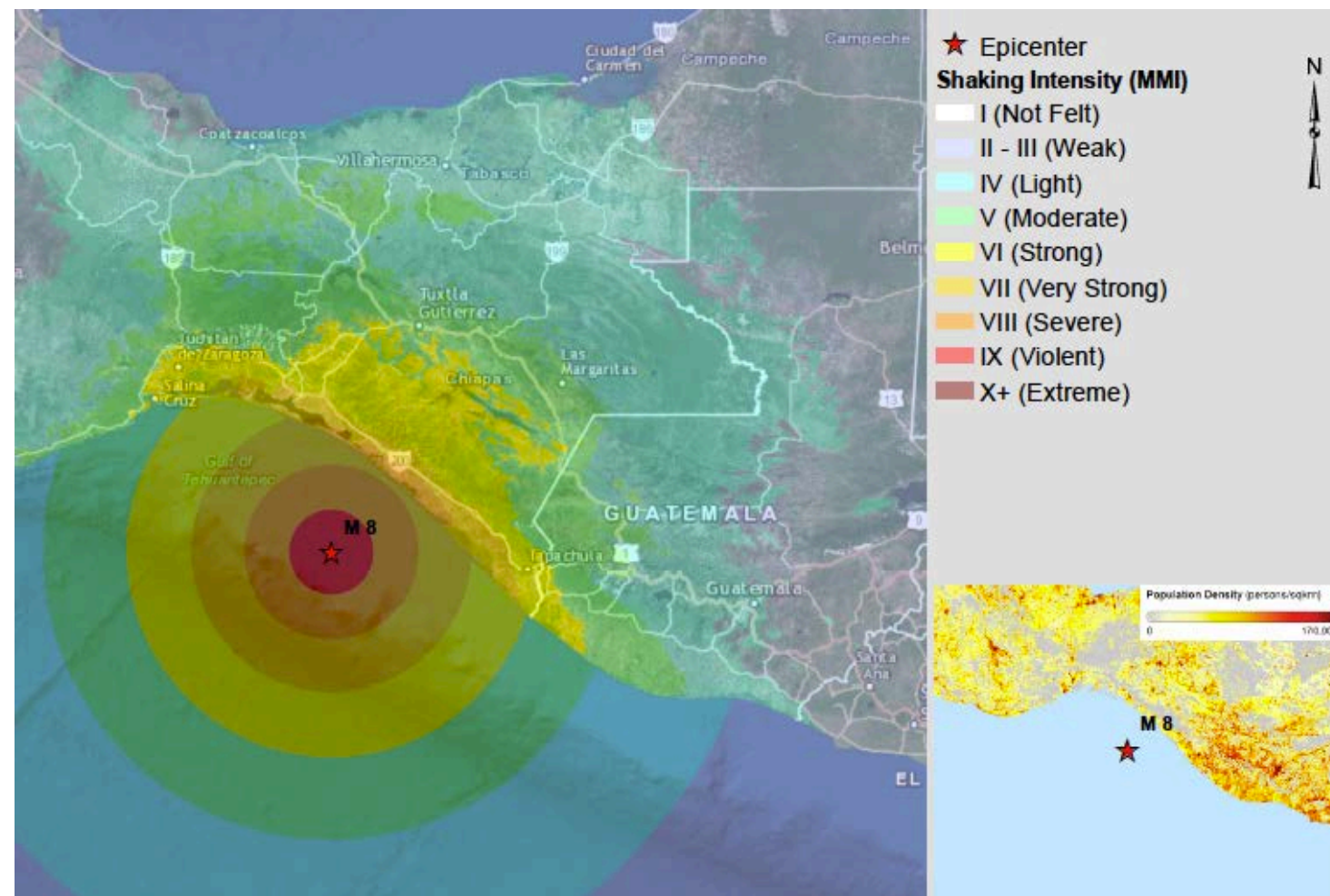
Data Sharing Policy and Procedure

www.pdc.org

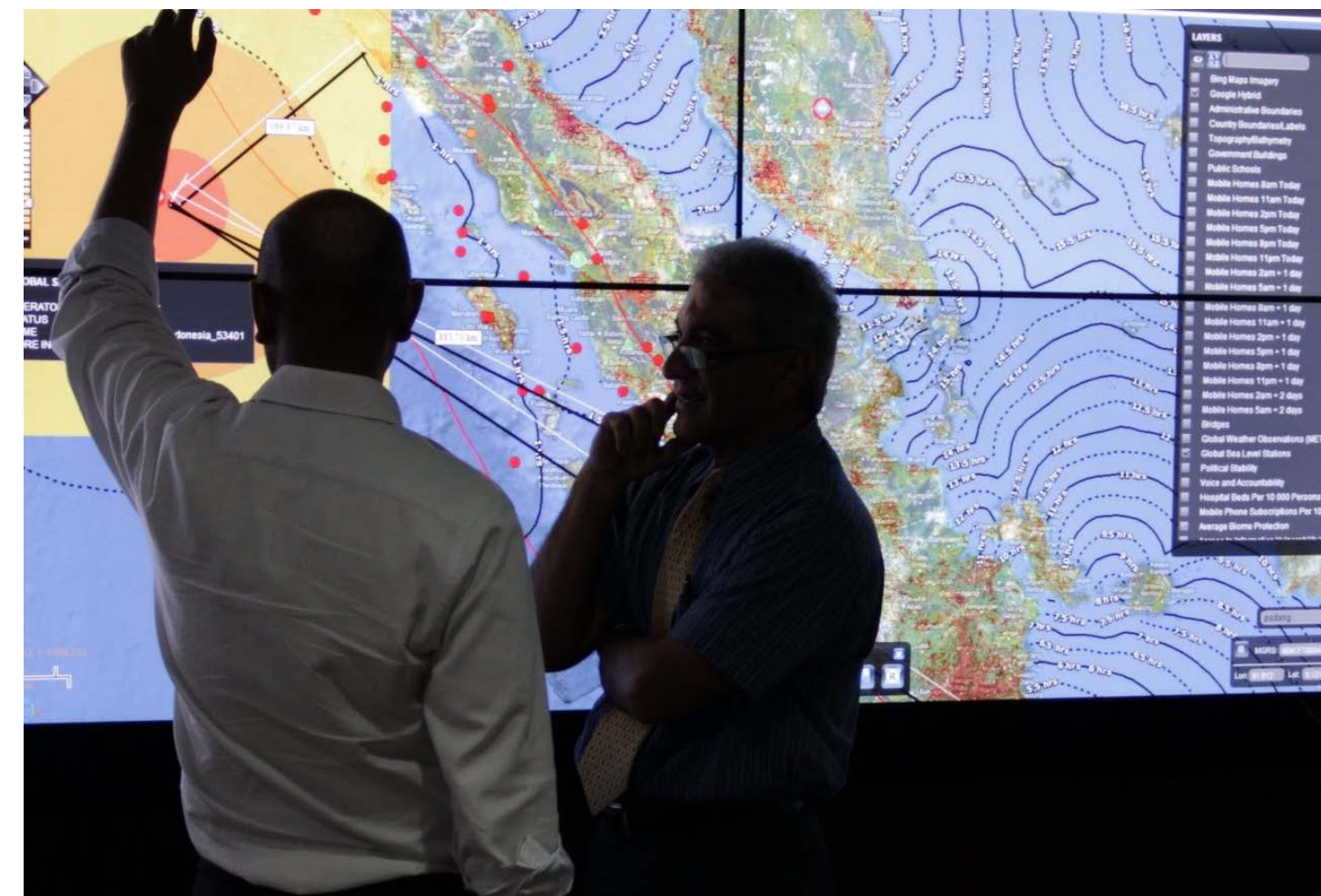
We help reduce disaster risk

For more than 20 years, PDC has worked side-by-side with governments, nongovernmental organizations (NGOs), and humanitarian assistance agencies around the globe to **help save lives** and mitigate losses using cutting-edge technology and sound scientific practices that **reduce disaster risk**.

We use science and technology...

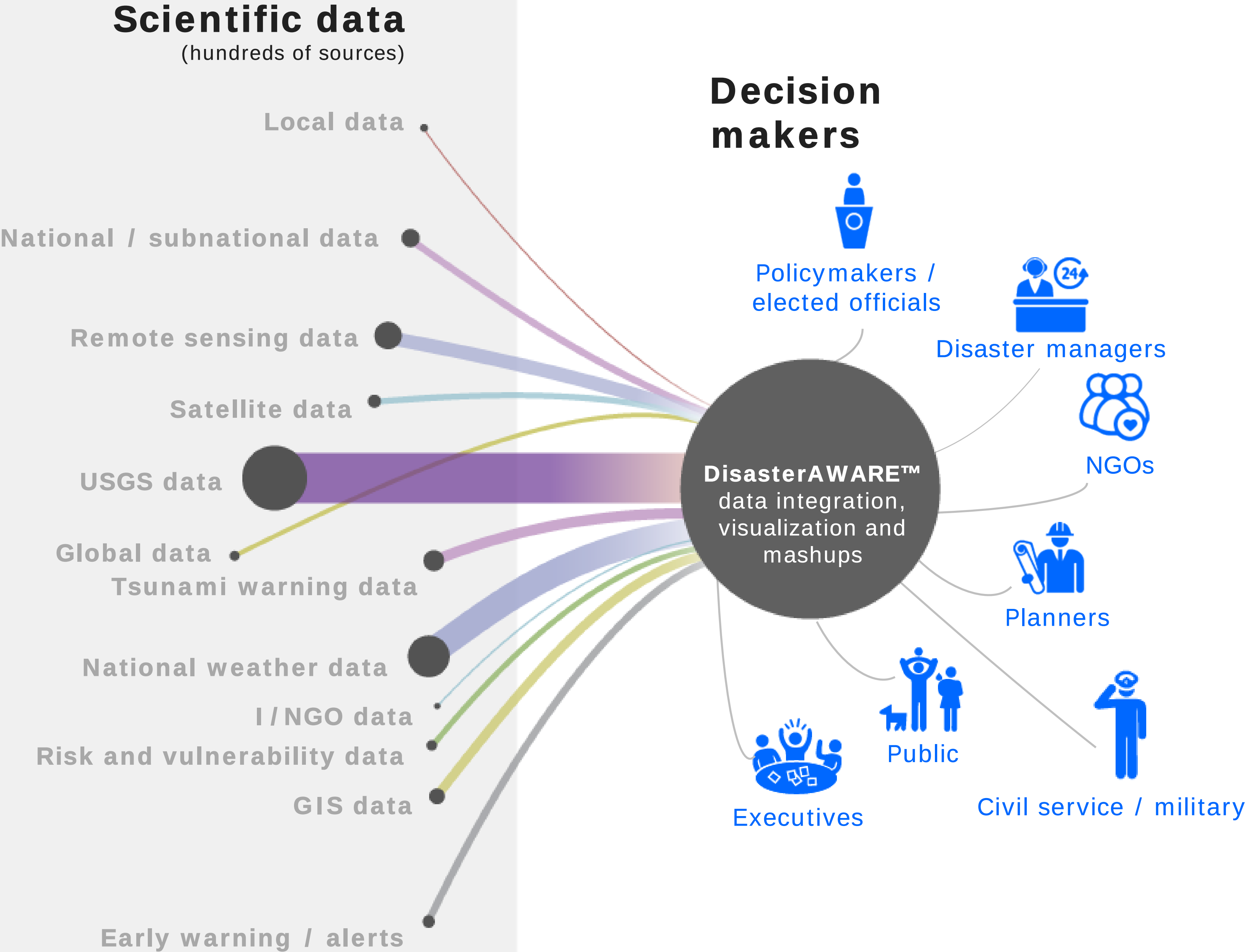


to help executives and disaster managers



prepare for and respond to hazards effectively





Making information meaningful

Integration and visualization of critical data

PDC integrates critical data from hundreds of reliable scientific sources into its DisasterAWARE™ platform. Information is then computed, mashed up, and visualized for fast and effective decision making.

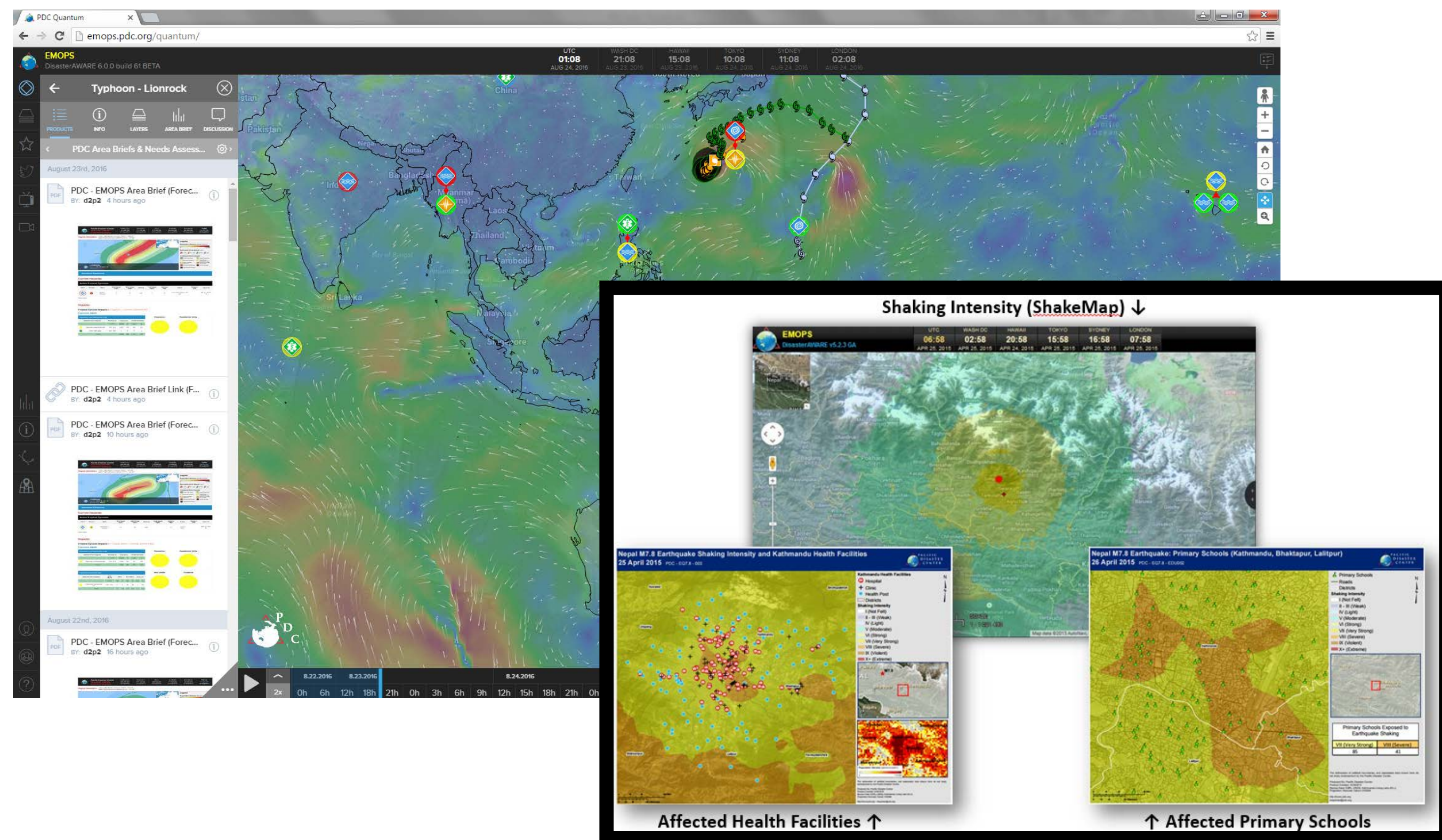
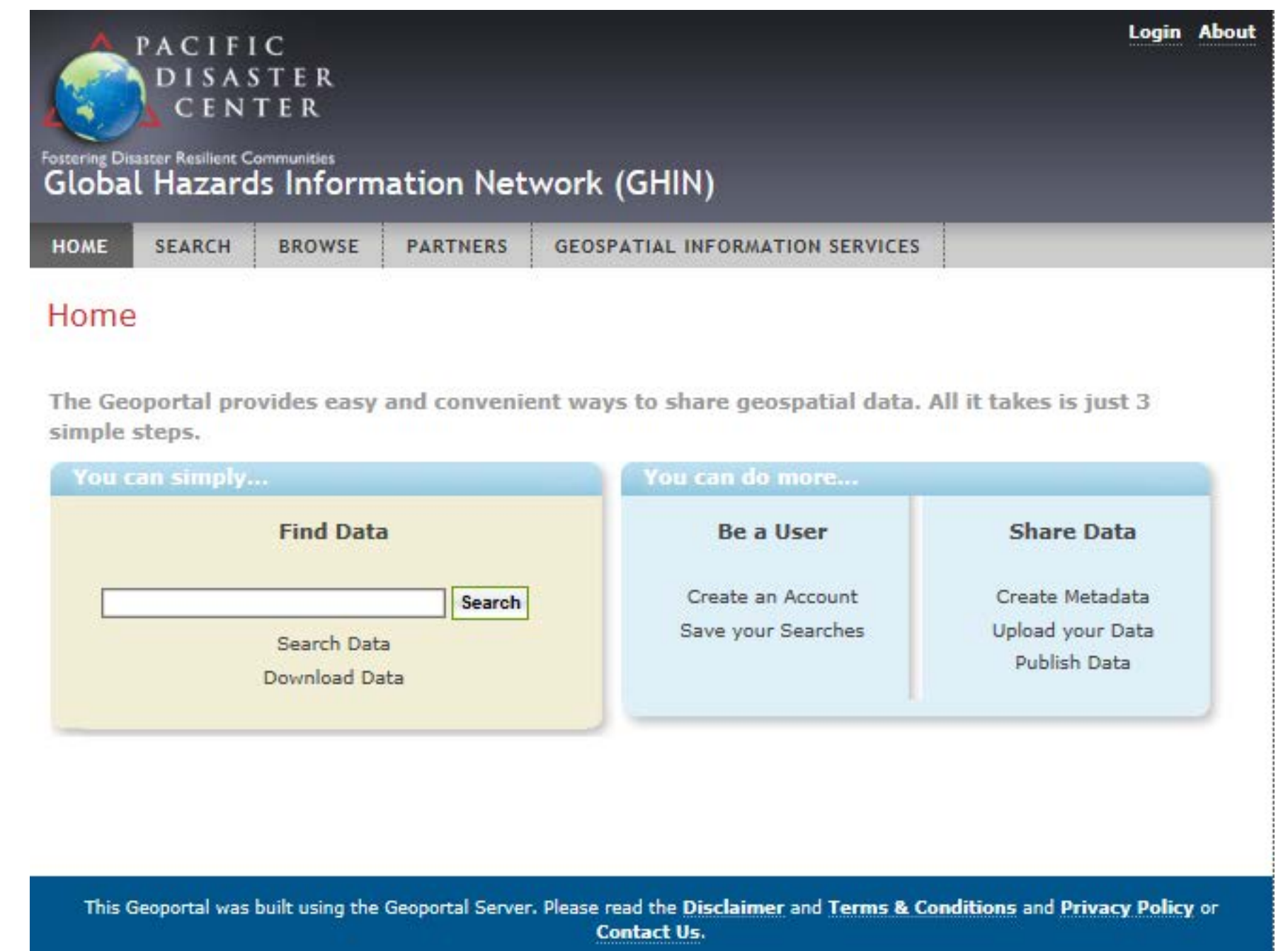
DisasterAWARE™

EMOPS Overview

- Graphical User Interface (GUI)
- Data on more than 20 types of disasters
- Geo-physical near-real-time visualization
- Risk and Vulnerability data
- "D2P2" algorithm (30 data types/formats)
- File sharing (.ppt / .docx / .ppt)

Data

- 4,000 dynamic and static data layers
- Hundreds of sources, dozens of partners
- New data added every six weeks
- Data added daily during crises
- Thousands more data sets in storage

The screenshot shows the Pacific Disaster Center (PDC) Global Hazards Information Network (GHIN) website. The page features a navigation bar with 'HOME', 'SEARCH', 'BROWSE', 'PARTNERS', and 'GEOSPATIAL INFORMATION SERVICES'. The main content area includes a 'Home' section with a brief description of the Geoportal and a 'You can simply...' section with a search bar and buttons for 'Find Data', 'Search', 'Search Data', and 'Download Data'. There are also sections for 'You can do more...' with buttons for 'Be a User' and 'Share Data', each with sub-buttons for account creation, metadata upload, and data publishing.

Data as a Policy Question

- What data?
- How to get it?
- How to store it?
- How to visualize it?
- How to share it?



Institutional Data Policy

- A clear and comprehensive policy enabling information sharing that *defines the objectives and commitment of the government, organization, or community* to any specific mission set
- May assume the form of a law, policy guidelines, privacy requirements, security and information sharing agreements



Data?

- **DATA IS NOT JUST FOR DATA / GIS PERSONNEL!**
- **Everyone in operations, plans, and management should understand the basics of data and visualization**
- **Data must support plans, and plans must support data acquisition and management programs**
- **10-15 years ago, there wasn't enough data – now there's almost too much!**
- **Successful factors to information / data sharing can be classified into several broad categories:**
 - *Providing a clear institutional guidance and policy toward information sharing across all stakeholders*
 - *Improving the discovery and timely access to information*
 - Improved analysis and collation of information to create actionable knowledge / better decisions
 - Reduce time and redundancy of data development
 - Improving data standards and interoperability across multiple systems (with multiple users)
 - *Maintaining data integrity, security, and reliability*

Ways to “get” data



-Self-generated information

-”Natural partners”

-Fair / Free Use (Open)

-Sharing Agreements*

-MoU*

-MoA*

-Contract providers

MEMORANDUM OF UNDERSTANDING

BETWEEN

Institution A

AND

Institution B

This Memorandum of Understanding (“MOU”) is entered into by and between *Institution A*; and *Institution B*. The purpose of this MOU is to formalize a collaborative relationship between *Institution A* and *Institution B* in support of disaster management capacity development activities across the spectrum of mitigation, preparedness, response and recovery.

The activities undertaken by the Parties to this MOU will serve to enhance the decision making capacity as well as promote information sharing between the Parties and their respective partners/clients/constituents. Initial activities will focus on disaster management decision support applications and associated information services as well as their use in disaster events and exercises.

This agreement is not mutually exclusive with respect to any of the Parties’ activities and/or programs with other organizations.]

Institution A and *Institution B* are committed to mutual cooperation, as necessary, to meet the objectives of activities carried out under this MOU. Close liaison between the Senior Management and the Senior Staff of the respective entities is planned to ensure the most efficient and effective conduct of the overall program of cooperation and the underlying specific project activities.

Areas of collaboration include but are not limited to the following:

- Information Technology for Disaster Management
- Capacity enhancement of Emergency/Disaster Managers
- Decision support
- All hazards risk assessment
- All hazards early warning systems
- Education and training for system users
- Staff exchanges

- Participation in applied joint projects
- Disaster Management simulations and exercises

Each specific project to be carried out under this MOU will be defined in an individual addendum to the MOU. Each addendum will specify the activities to be undertaken, the resources (fiscal and personnel) to be provided by each party, the expected deliverables included in the project, a mutually agreed upon time frame and any such additional information as may be deemed necessary for the successful implementation and completion of the project.

This Memorandum of Understanding will take effect as of the date of the last signatory to the agreement and shall remain in effect for a period of 5 years. This Memorandum of Understanding can be terminated at the request of either party.

This document is executed in English. |

On behalf of
Institution A
Address:
Phone:

On behalf of
Institution B
Address:
Phone:

Name: _____

Name: _____

Title: _____

Title: _____

Date: _____

Date: _____

Information Sharing Agreements

Document to establish guidelines between one or more institutions includes:

- An overview of the projects and goals for the institution seeking information
- A complete list of the data the information sharing agreement will facilitate
- Any restrictions to the access, handling, and use of the information by the receiving institution
- The time period for which the agreement is valid



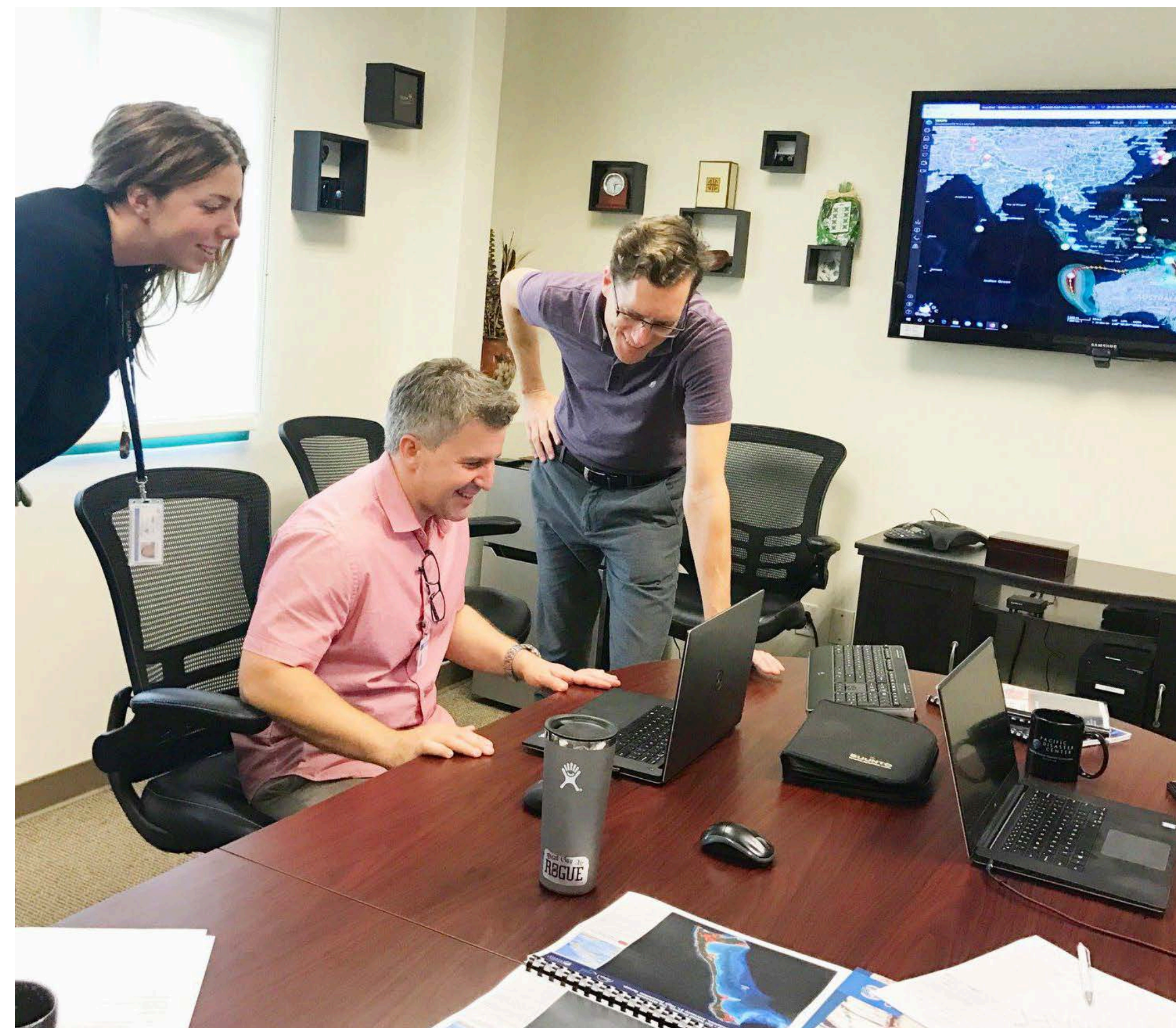
Questions to consider prior to data integration...

- Is the data the official source?
- Is there an official mandate to use this dataset?
- Is a formal agreement required?
- Is the data automated or produced manually?
- Is the source documented – metadata?
- Is the source reliable and consistent?
- Is there an associated cost?



How to request data

- Find authoritative sources
- **Don't ask for "everything"!**
(Be clear in your requests and purpose of the data.)
- Ensure *proper citation* is given to the source provider
(keep your source happy)
- Follow any use limitations, including further re-distribution of information per agreements
- Provide feedback and/or updated data to the original provider where possible (consider updating agreements when required)



Conclusion



- Understand your data/information needs
- Understand your partner's data/information needs and anticipate data/information challenges *before* they arise, codify IN WRITING
- Establish protocols for both collection and dissemination of information (i.e. a robust data program *run by leadership*)
- Gather, store, and utilize data in a structured and consistent way so that it is available and useful for the broadest audience(s) possible
- Further develop and refine your data program, including updates to documentation and agreements

We're here to help

For questions about PDC, email
info@pdc.org

For support during major hazards, email
response@pdc.org

For access to DisasterAWARE, visit
<https://emops.pdc.org/emops/>

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www.pdc.org

Better solutions.
Fewer disasters.

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