



» Wildfire

» Hurricane

» Tropical Cyclone

» Tsunami

» Flooding

» Earthquake

» Pandemic Influenza

Fostering Disaster - Resilient Communities



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# DisasterAWARE Platform: EMOPS

# PDC Background

- ◉ Works to bridge the gap between science/technology providers & decision makers through **applied** information research and **evidence-based** analysis.
- ◉ A global program Headquartered in Hawaii with offices/staff in Asia and US Mainland.
- ◉ Established in 1996.
- ◉ Managed by the **University of Hawaii** since 2006.



# PDC's Integrated Approach

- Applied Science & Technology
- Capability Building
- Evidence-Based Information Products
  - Policy & Decision Makers
  - Disaster Managers
  - Planners
  - Humanitarian Assist. Missions

**Integrating Information, Science, & Technology**

Observation Systems & Technology

**Improve Decision-support Capabilities**

Advanced Applications, Models, Risk & Vulnerability Assessments

# DisasterAWARE Platform

- ◎ DisasterAWARE (**A**ll-hazard **W**arning, **A**nalysis and **R**isk **E**valuation)
  - An integrated platform providing situational awareness, decision support, and information exchange capabilities to disaster management decision makers.
- ◎ DisasterAWARE incorporates international best practice methodologies and technologies for **data acquisition, hazard modeling, risk and vulnerability assessment, mapping, visualization, and communications.**



# DisasterAWARE Platform

## Key Features

- Integrated Multi-hazard Monitoring
- Disaster Early Warning
- Automated / Integrated Modeling
- Hazard Maps and Historical Hazard Data
- Intra-Agency Info Sharing
  - User Added Situation Reports
  - Damage Products, ...
- Remote Access (Disaster Alert)





Disaster Alert



Atlas

EMOPS



Custom



# Applications

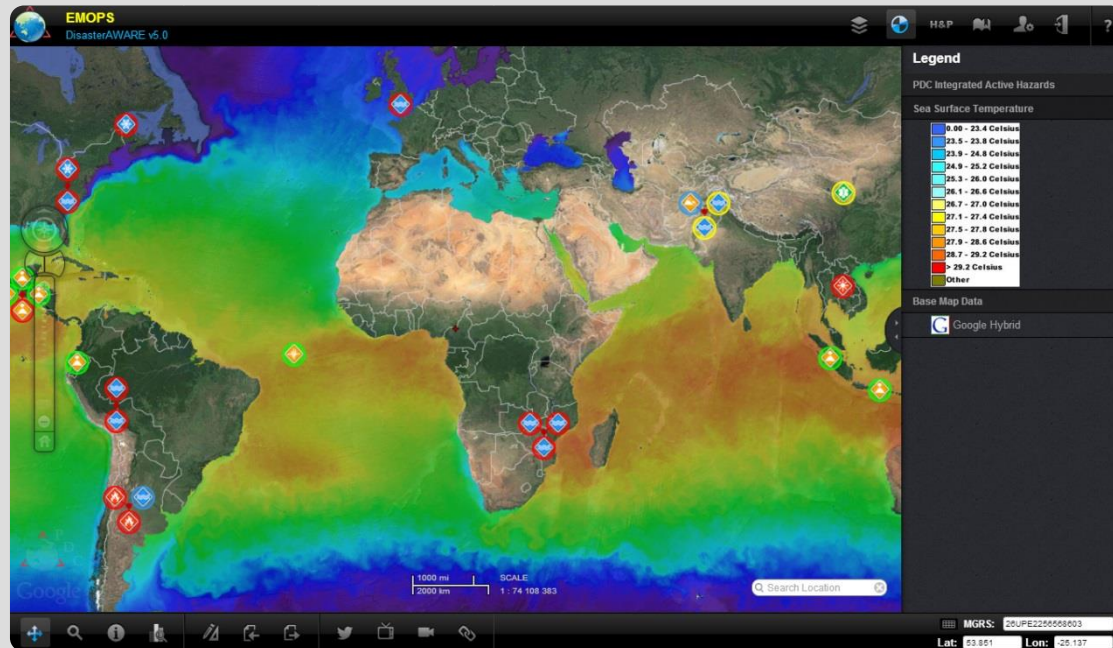
Disaster  
Alert

Atlas

EMOPS

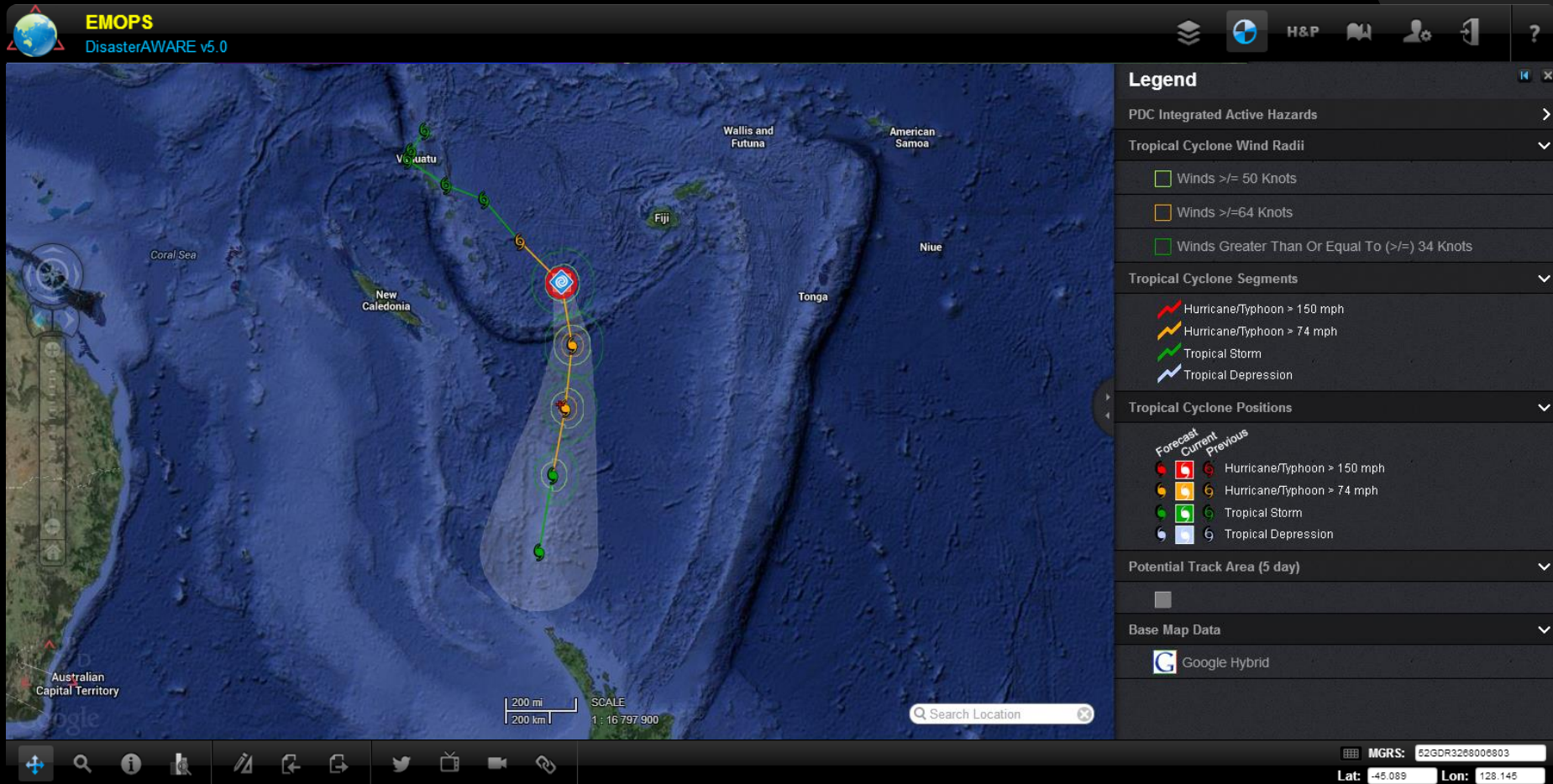
Custom

**EMOPS** is made freely available to disaster management practitioners around to support disaster risk reduction and humanitarian assistance activities.



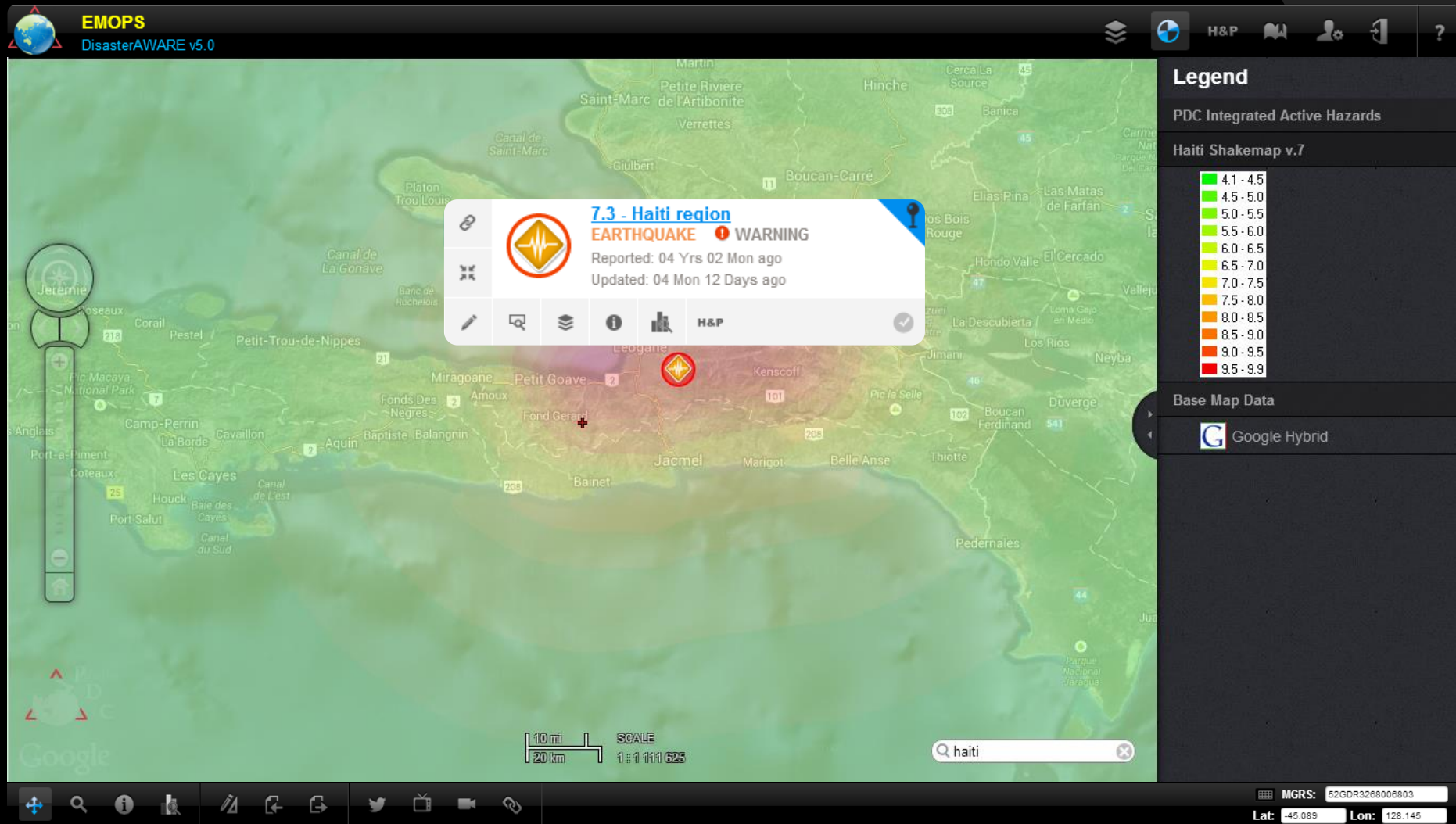
<http://emops.pdc.org>

# Example: Tropical Cyclones

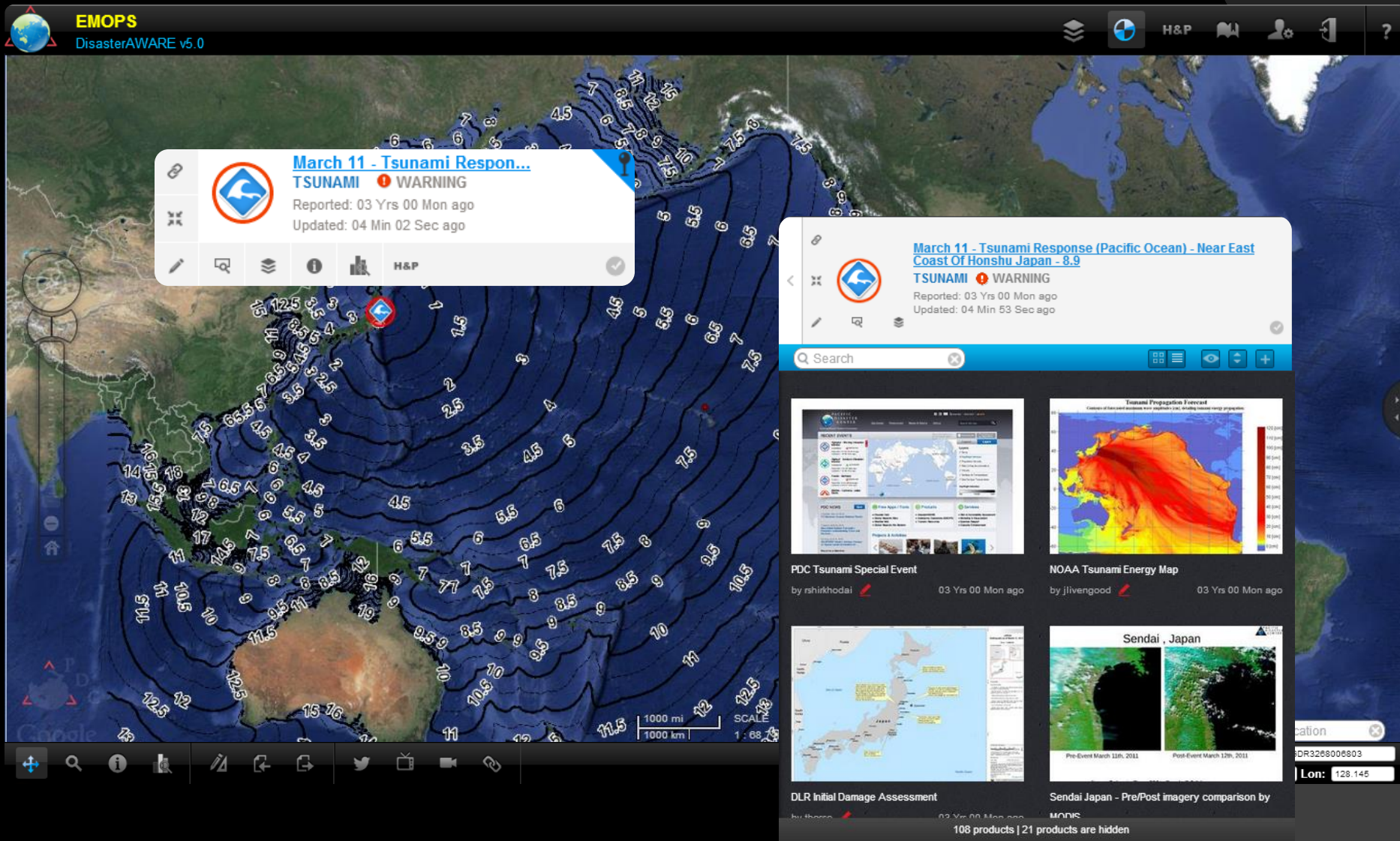




# Example: Earthquakes



# Example: Tsunamis



# Applications

Disaster  
Alert

Atlas

EMOPS

Custom

**Customized** versions of DisasterAWARE, such as the AHA Centre's DMRS, incorporate specific national or regional data, provide for customized alerting rule and distribution, and allow access by authorized users.







*"Fostering Disaster-Resilient Communities"*