PRiMO Observations and Data Management Hui
Natural Hazards Data Framework Development

WWL Hazards Data Framework Workshop
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The March 2004 PRiMO Annual Meeting identified the need to facilitate data integration and sharing as one of its overall objectives.

The lack of established hazards-related theme and data standards in this regard was identified as one of PRiMO’s primary focus areas.

The task of initiating regional hazards data framework development activities was assigned to PRiMO’s Observations and Data Management Hui.
In November 2004 the Hui convened a Workshop for Hazard and Risk Data Providers and Brokers. The workshop defined several risk-management data framework development initiatives and established tasks to be undertaken including the creation of:

1) Natural Hazard Theme Categorization
2) Theme Folder Structure
3) Data Templates Defining Standard Theme Contents
4) Data Dictionaries of Data and Information Holdings
The Natural Hazards Theme in a Risk Management Data Structure

Three general types of data are used in Risk Management – Base or Framework data, Hazards data, and Assets data:

- **Base or Framework Data**: Imagery, Geodetic Control, Boundaries, Etc.
- **Hazards Data**: Natural Hazards Data, Human or Environmental Hazards Data
- **Assets Data**: Critical Facilities, Economic, Social, Cultural, Environmental

The focus of the ongoing PRiMO hazards data framework development initiatives are on Natural Hazards data.
The range of natural hazards in this region is classified into 3 categorizations and 13 specific themes are identified.

- **Weather and Climate**
  - Strong Winds
  - Drought
  - Wildfire
  - Heavy Rains/Stream Flooding
  - Erosion and Landslides
  - Severe Weather

- **Waves and Water Levels**
  - High Waves
  - Ocean Flooding
  - Coastal Erosion
  - Sea Level Rise
  - Tsunami

- **Seismic and Volcanic**
  - Seismic
  - Volcanic
PRiMO Hazards Data Framework Development
History – Endorsement of the Draft Framework

At the March 2005 PRiMO Annual Meeting the draft data structure and theme categorization was presented.

Follow-up tasks included:

1) Increase participation in the continued development of hazard data frameworks within the user community through a regional workshop.

2) Establish user community familiarity with hazard and risk data sharing and access applications and tools by establishing a partnership with the Asia Pacific Natural Hazards Information Network (APNHIN).

3) Apply for an NSDI CAP Grant to help fund the continuation of framework development activities.
NSDI CAP Grant proposal

Pacific Disaster Center

2005 NSDI Cooperative Agreement Program
Announcement No. 05HQPA0007
Category 3: Geographic Information Coordination

Pacific Risk Management Ohana
Observations and Data Management Hui

Natural Hazards Data Framework Development and User Workshop

Proposal
June 2005
PRiMO Waves and Water Level Data Framework Development Workshop

Objectives:
1) To engage subject matter experts to further develop the WWL hazards data framework and align PRiMO’s data integration and sharing activities with related activities in the region.

2) To establish user community familiarity with data sharing and access applications and tools, and to aid in further establishing hazard and risk data management relationships that will enhance geospatial information sharing, and foster opportunities for greater collaboration in the region.

Matching Funds:
1) Continuation of hazards data framework development tasks
2) Workshop venue and logistics costs
3) Travel funding for selected workshop participants