



Pacific Disaster Net



Portal for
Disaster Risk Management
in the Pacific Region

A presentation
2009

Jutta May
SOPAC

www.pacificdisaster.net

SOPAC Pacific Islands Applied Geoscience Commission www.sopac.org



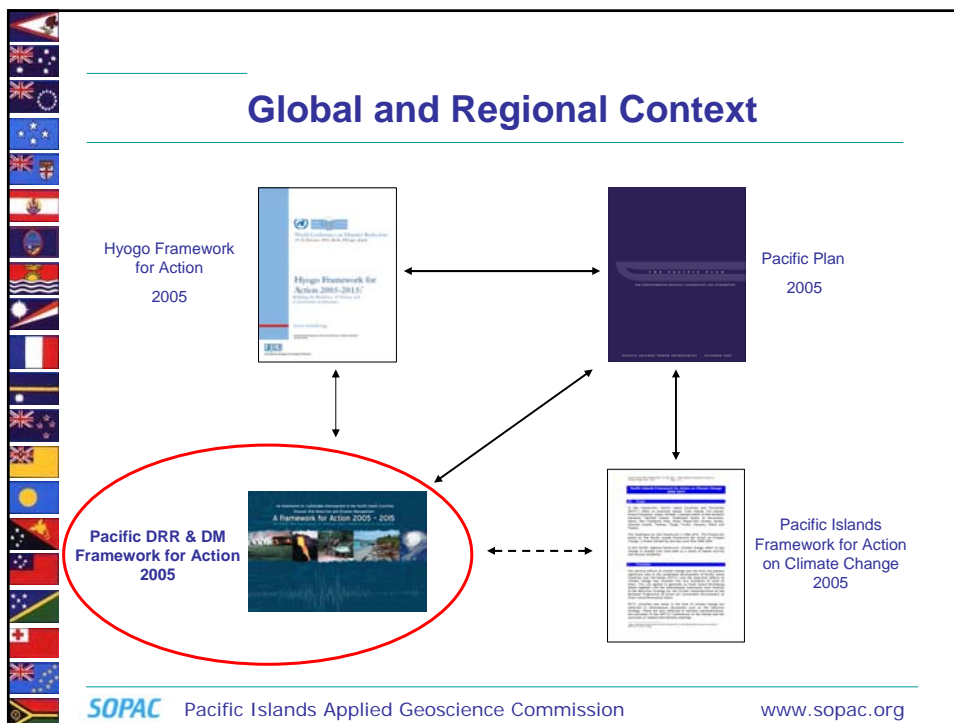
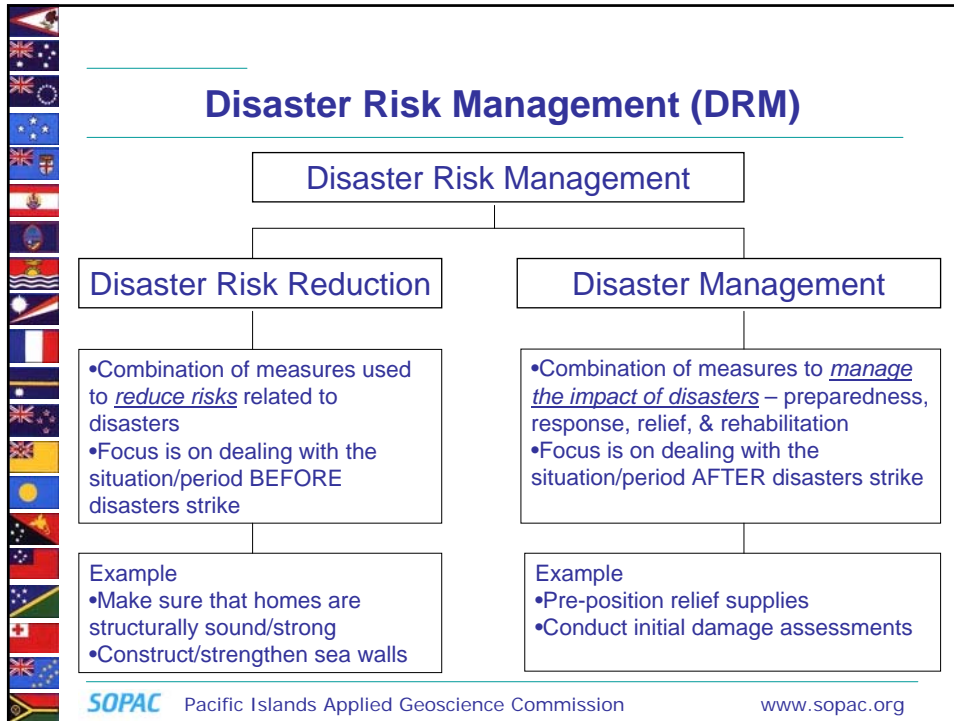
SOPAC Overview

Intergovernmental regional organisation comprising 21 members, dedicated to providing applied scientific and technical support, guidance and advice to member countries to promote sustainable development.

Vision: to develop natural resources, principally non-living resources in a sustainable manner and to strengthen resilience of Pacific peoples

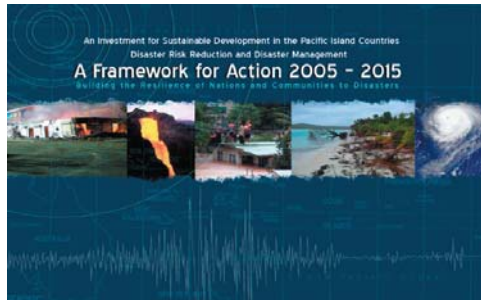
Community Risk Programme: to improve disaster risk management practices to build safer and more resilient communities

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Pacific DRR & DM Framework for Action



Major policy instrument/guideline to building resilience of countries and communities to disasters in Disaster Risk Management.

Agreed to by officials attending the 12th Disaster Managers Meeting, June 2005 (PNG), and endorsed by the Forum Leaders at the 36th Pacific Islands Forum, October 2005.

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Framework - 6 Themes

- All hazards approach supporting sustainable development
- Covers all aspects of disaster risk management

Theme 1: Governance – organisational, institutional, policy and decision-making frameworks

Theme 2: Knowledge, information, public awareness and education

Theme 3: Analysis and evaluation of hazards, vulnerabilities and elements at risk

Theme 4: Planning for effective preparedness, response and recovery

Theme 5: Effective, integrated and people-focused early warning systems

Theme 6: Reduction and underlying risk factors

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Pacific DRM Partnership Network



- Formed in February 2006
- Open-ended partnership (currently about 30 members) of regional and international organisations interested/active in DRM in the Pacific
- Support Pacific countries to increase safety and resilience of communities to disasters
 - Identify and help implement DRR and DM measures

Priorities

- Establishment of a regional information database - **Pacific Disaster Net** www.pacificdisaster.net - to provide Pacific countries with an overview of existing Pacific Island Country DRR and DM capacities, needs, information sources, resources, policies, plans and regulations.
- Development of **National Action Plans** for Pacific countries in line with the DRR & DM Framework for Action.

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Portal for Disaster Risk Management in the Pacific Region

- Living collection and growing DRM information resource
- Enables and assists actors and stakeholders to research, collaborate and improve information and knowledge management
- Available online and also offline, on DVDs which will be frequently updated and distributed - allowing a much wider outreach even into communities without Internet access.
- Developed in a cooperative effort by UNOCHA, IFRC, UNDP-PC and SOPAC under the umbrella of the Pacific Disaster Risk Management Partnership Network



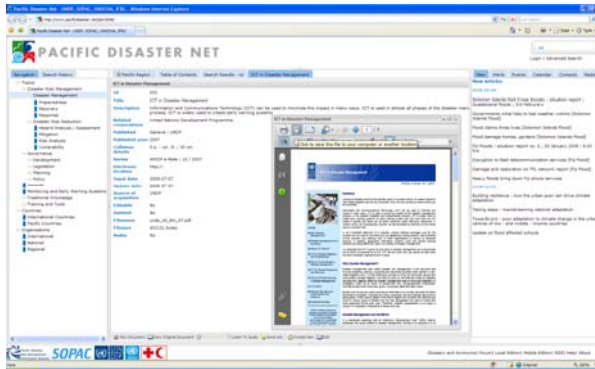
Portal for Disaster Risk Management in the Pacific Region

- Hosts material relating to Governance, Risk Assessment, Early Warning and Monitoring, Disaster Risk Management, Training and Tools
- From various sources like Countries, Bodies, Organizations and Agencies - at national, regional and international level
- Up-to-date and live information like Alerts with notification, Events, Documents, Calendar, Contacts, Forum & Message board
- In a range of formats, including Publications, Reports, Data inventories, Maps, Events, Discussion (threads), Links, Audio / Visual files etc.



Search & Display & Email

A lot of effort has been put in to make Pacific Disaster Net as user friendly as possible – making it easy for experts and inexperienced users to access information and data with multiple entries.



- Search
- Browse & Filter
- Advanced Search
- New Documents
- Display with different formats (to cover narrow bandwidth and even offline access)
- Share by email and link
- Print and download

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Alerts & Events & Contacts

- Alerts are automated and frequently imported from different sources, including CAP (Common Alert Protocol) as new standard.
- Google Maps and Google Earth (Plug-in) implemented.
- More than 1100 Events are available and will be enhanced in the future.



- Registered users can contribute information
- Currently 320 Contacts for DRM in the Pacific Region
- To be enhanced with TAF/OFDA Training contacts

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Calendar, What's New, RSS feeds, Newsletter by email ...

A Calendar with Meetings, Trainings, Conferences etc. and other News are available. New content is accessible via RSS feeds and in the future as Newsletter by email.

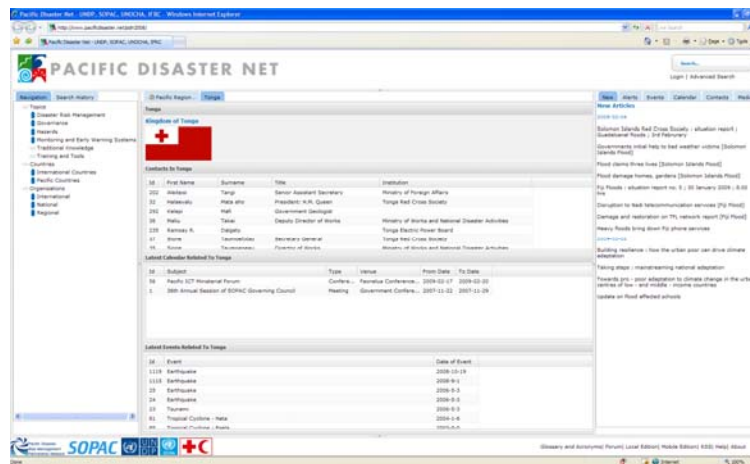


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Country Page

With filtered content like Contacts, Calendar, Events, Articles, Links and Facts



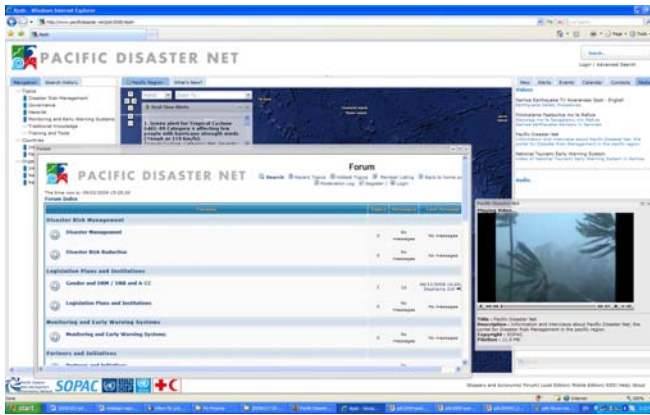
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Videos, Forum, future Image Archive, Wiki, Interactive Handbook ...

Videos, a future Image Archive, Audio files, Wiki, Glossary and interactive Handbook (with animated sequences - 'How to use PDN') etc. add to the range of current and future content.



A Forum is available as

- public and interactive 'meeting place'
- for discussions online,
- for questions and answers,
- message transfer and
- posting information.

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Local Edition (Offline), Mobile Edition (PDA)

Pacific Disaster Net is available online – but also **offline** as 'Local Edition', on DVDs which will be frequently updated and distributed, allowing a much wider outreach even into communities without Internet access.

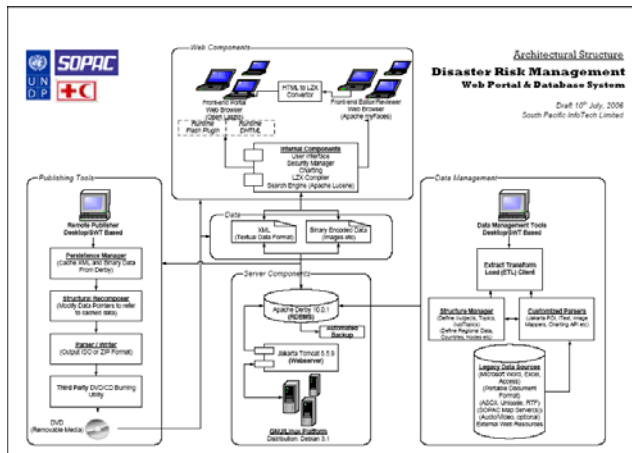
A 'Mobile Edition' for PDA's like BlackBerry etc. is in development and also including data subsets for download.



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System Architecture



- Revised Component References
- *User Interface* - Google Web Toolkit (Modified), myFaces (JSF), SWT (Java)
 - *Database* - Apache Derby RDBMS, Hibernate ORM Persistence Layer (enables pluggable database structure; databases can be swapped as needed)
 - *WebServer* - Apache Jakarta Tomcat (To be replaced with GlassFish3 Modular Application Server)
 - *Search Engine* - Apache Lucene Search & Indexing
 - *Integration Modules* - Jakarta POI (Microsoft Office Formats), iText (PDF), JChart (Charting), Jasper Reports, Media Framework (Modified)
 - *Component Licensing* - General Public License (GPL), Common Public License (CPL), Lesser General Public License (LGPL)

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Future Plans & Contact

Future plans

- Country missions with Introductions, Trainings and Content collection
- Wiki, Interactive Handbook and information out of PDN
- Content feeding, Data population, Evaluation and Surveys
- Improve and enhance functionalities
- Image Archive
- Maps
- Educational / Awareness / Kids content (One *Pacific Disaster Net Per Child*)
- and more ...

Contact

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