

Applied Geoscience and Technology Division (SOPAC)

# Summary Record of the Third Session of the Pacific Platform for Disaster Risk Management, 1-5 August 2011, Auckland, New Zealand



May 2012

## SOPAC SUMMARY RECORD (PR20)

Disaster Reduction Programme

This report may also be referred to as SPC SOPAC Division Published Report 20

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**Summary Record**  
**3<sup>rd</sup> Session of the Pacific Platform for Disaster Risk Management**  
**1-5 August 2011**  
**Auckland, New Zealand**

## **INTRODUCTION**

1) The Third Session of the Pacific Platform for Disaster Risk Management (the Platform) was co-convened by SPC SOPAC Division and UNISDR. The Platform included over 200 participants from Australia, Cook Islands, Fiji, French Polynesia, Guam, Kiribati, Japan, Marshall Islands, Nauru, New Caledonia, New Zealand, Niue, Northern Marianas, Palau, Papua New Guinea, Pitcairn Islands, Samoa, Solomon Islands, Tonga, Tuvalu, United States of America, Vanuatu, Wallis & Futuna, as well as local government, civil society, members of the Pacific Disaster Risk Management Partnership Network, representatives from the United Nations and other international, regional and national organisations, and representatives from the Caribbean.

2) The key objectives of the platform were:

- i. To galvanise the leadership and support of CEOs for mainstreaming disaster risk considerations into national planning and budgetary processes;
- ii. To strengthen the regional DRM partnerships by establishing stronger linkages between representatives of Pacific island countries and territories with partner organisations;
- iii. To examine progress in DRM in the Pacific and globally in the period 2009 – 2011; and
- iv. To endorse a 'roadmap' for the integration of the regional policy frameworks for disaster risk management and climate change adaptation in 2016

## **OPENING SESSION**

3) The Platform was formally opened with a traditional Maori Karakia conducted by Eru Thomson. Following the Karakia, a one minute silence was held in memory of the disasters that have befallen the region in the past 12 months.

4) Dr Russell Howorth, Director SPC/SOPAC delivered the opening address on behalf of co-convenor SPC/SOPAC and in doing so thanked the Hon. Craig Foss, Minister for Civil Defence and Emergency Management and his team for hosting the meeting. Dr Howorth also acknowledged the support provided by UNISDR (as co-convenors of the meeting), SPREP, TAF, OFDA, IFRC, World Bank GFDRR, AusAID, EU, French Pacific Fund. Dr Howorth acknowledged participants from across the Pacific region, including for the first time representatives from Guam, New Caledonia, Northern Marianas and Pitcairn. Dr Howorth expressed his regret that representatives from East-Timor were unfortunately unable to attend. Dr Howorth offered a special welcome to colleagues from the Caribbean Disaster and Emergency Management Agency. Dr Howorth noted that a key aim of the Platform was to adopt a roadmap for the development of a common policy for DRR and CC in the Pacific Region, to succeed the frameworks currently due to end in 2015. Dr Howorth's full address can be accessed from:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S1\\_SOPAC\\_RH\\_OpeningFinal\\_lr.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S1_SOPAC_RH_OpeningFinal_lr.pdf)

5) In an opening address (via recorded video) on behalf of co-convenor UNISDR, Ms Margaretta Whalstrom, Special Representative to the United Nations Secretary General for Disaster Risk Reduction noted the key themes of the platform to be leadership and partnership building, themes that resonate well with those of the Global Platform. Ms Whalstrom noted with pleasure the large Pacific Delegation at the Global Platform and applauded the region for measuring progress in DRR against the HFA. Ms Whalstrom highlighted the Pacific as the first region to contextualise the Hyogo Framework for Action into the RFA and looks to the Pacific to help develop the post-2015 framework. In particular Ms Whalstrom acknowledged the efforts of Pacific islands to integrate DRR and CCA through JNAPs. Ms Whalstrom congratulated the Pacific Platform on the foresight of seeking endorsement of the roadmap towards an integrated framework for DRR and CCA and expressed pleasure that the integrated agenda/paradigm is firmly taking root in the region. In closing, Ms Whalstrom thanked SPC/SOPAC for its longstanding and steadfast support for DRR in the region and co-convening this Platform. Ms Whalstrom's address can be accessed from:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S1\\_UNISDR\\_Wahlstrom\\_text\\_lr.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S1_UNISDR_Wahlstrom_text_lr.pdf)

6) The relating video can be viewed from:

[http://www.pacificdisaster.net/pdnadmin/data/video/PPDRM2011\\_S1\\_UNISDR\\_Wahlstrom\\_video.flv](http://www.pacificdisaster.net/pdnadmin/data/video/PPDRM2011_S1_UNISDR_Wahlstrom_video.flv)

7) On behalf of the Government of New Zealand, the Honorable Craig Foss, Minister for Civil Defence and Emergency Management, welcomed participants to New Zealand. The Minister acknowledged the number of disasters which have impacted the region in recent months, the lives lost and communities affected. The Minister noted the need for countries to work together in emergency response and acknowledged the international support provided to New Zealand following the Christchurch Earthquake. The Minister encouraged representatives from the countries in attendance to keep two things in mind during the Platform:

- i. The need to incorporate DRM into mainstream government planning and activities as DRM is not a stand-alone activity, and requires strong understanding from Ministry CEOs
- ii. That the platform offers an opportunity to share experiences, develop agreements and build understanding across the region

8) The Minister encouraged participants to feel welcome and that they were among friends and colleagues all with the shared goal of a safer Pacific region. In closing the Minister observed that the Pacific is too small for us not to work together and that DRR and climate change are natural partners and as such Platform participants must work toward their integration.

9) Mac Mokoroa, Cook Islands thanked the Minister for hosting the Platform and for the assistance provided by New Zealand to Pacific Island communities following disaster.

10) John Hamilton, Director of Civil Defence and Emergency Management in New Zealand shared his personal observations from the role of National Controller during the February 2011 Christchurch Earthquake response. Mr Hamilton began by applauding two aspects of the response, firstly the incredible fortitude and resilience shown by the people of Christchurch and secondly, the offers and deployments of assistance from so many international friends and partners to help the people of Christchurch. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S1\\_MCDEM\\_Hamilton\\_Christchurch\\_EQ\\_Ir.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S1_MCDEM_Hamilton_Christchurch_EQ_Ir.pdf)

11) Questions from the audience related to lessons learnt regarding coordination between the national and local level and how coordination might be improved; how the Earthquake Commission's financial reserves for response and recovery may be bolstered in the future; the connection between planning and operations; the need for investment in research; the advantages of planning for international response; communication systems; the role of civil society, and analysis of key trends of vulnerability in terms of gender.

## **SESSIONS UNDER THE FOLLOWING TOPICS**

### **Natural Hazards, UnNatural Disasters: The Economics of Effective Prevention (Session 2)**

12) This session provided an opportunity to share the key findings of the substantive report, *Natural Hazards, UnNatural Disasters: The Economics of Effective Prevention*, recently published by the World Bank and the United Nations. The overarching message of the report is that prevention pays, but you do not always have to pay more for prevention. This and other messages resonated with Platform participants given that Pacific Island Countries and Territories (PICTs) are situated in one of the most hazard prone areas of the world.

13) The main findings of the global report were contextualized for the Pacific through the comments of the two respondents, the Secretary General of the Pacific Islands Forum Secretariat and the Minister of Finance for the Cook Islands, and through questions and comments from the floor. It was agreed that PICTs remain vulnerable to a wide range of natural hazards, which are now coupled with added pressures, including those of climate change.

14) Participants also agreed that cost-effective preventative measures include enhancing access to hazard-related information. Sometimes increased spending is warranted, for example to develop and maintain early warning systems. This usually involves only modest increases in spending. Participants recognized that risk proofing planned development investments generate enormous benefits and should be given high priority. Both national and regional institutions must be strengthened to enhance coordination, provide technical inputs and ensure adequate public oversight.

### **Mainstreaming disaster and climate risks into planning and decision making frameworks (Session 3)**

15) This session was designed to recognize and develop better understanding of the different entry points for mainstreaming DRR/CCA into development which are currently practiced in Pacific island countries and territories. The session also examined whether there is



interest in adopting specific targets that will help provide direction and focus for the coming years, both for PICTs and development partners.

16) Angelika Planitz and Moortaza Jiwanji set the scene for this session with a short presentation on the global and regional frameworks underpinning disaster risk management (DRM) and climate change (Hyogo Framework for action 2005, Pacific DRM & DM framework for action 2005 – 15; Pacific Plan 2005; Pacific Islands Framework for action on climate change 2006 – 2016). A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S3\\_0\\_UNISDR\\_Planitz\\_mainstreaming.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S3_0_UNISDR_Planitz_mainstreaming.pdf)

17) Elizabeth Wright-Koteka discussed the experience of the Cook Islands Government's in the development of a Joint National Action Plan (JNAP) for DRM and Climate Change Adaptation (CCA). Political support was critical to the success of the JNAP process and as such responsibility for climate change was elevated to the Office of the Prime Minister, alongside DRR. This facilitated increased engagement across government and has resulted in climate change no longer being perceived as a purely environmental issue. Progress can be seen in the 2011-12 budget statement which highlights mainstreaming DRR and CCA across all sectors to be a priority. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S3\\_1\\_COK\\_Koteka\\_JNAP.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S3_1_COK_Koteka_JNAP.pdf)

18) Aseri Yalangono delivered a presentation on efforts in the Solomon Islands to mainstream DRR into the education sector. Motivated by the 2007 tsunami in the Solomon Islands, the Government of the Solomon Islands is integrating DRR into the National Education Action Plan from 2013, developing an emergency preparedness plan taskforce for education in emergencies as part of the National Disaster Management structure, developing a resilient infrastructure plan to be submitted to cabinet at the end of 2011. A number of other initiatives were also discussed including integrating DRM in the curriculum following consultation with Vanuatu, Samoa and Cook Islands, retrofitting school infrastructure, training education officers and school boards to promote safe schools and communities. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S3\\_2\\_SLB\\_Yalangono\\_Edu.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S3_2_SLB_Yalangono_Edu.pdf)

19) Antonneth Ahambhat presented the process used by the Government of Vanuatu through the Ministry of Finance and Economic Management (MFEM) to track current and planned DRM investment and conduct cost-benefit analysis for DRM investment. Difficulties were noted as the national budget process tracks high level expenditure and can miss expenditure on DRM. As a result of greater collaboration between the National Disaster Management Office (NDMO) and MFEM, and training on the budget process, the NDMO budget allocation has increased. The importance of donors channeling funding through MFEM to ensure funds are spent in priority areas was emphasized. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S3\\_3\\_VUT\\_Arnhambat.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S3_3_VUT_Arnhambat.pdf)

20) Preeya Ieli discussed the importance of mainstreaming DRM at a local council level and the experiences of Lami Town Council in Fiji. It was noted that communities need to be aware, informed and engaged in DRR and CC and that Council can play an important role in this. Lami Town Council initiatives or mainstreaming include acceleration of mainstreaming through the finalization of vulnerability and adaptation assessment and finalization of the Council's Green House Gas audit. Lami Town Council is also working to reflect CCA and DRM in the financial budget, corporate and strategic plans. The importance of including local council in national, regional, and international meetings/workshops was highlighted. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S3\\_4\\_FJI\\_Lal\\_Local.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S3_4_FJI_Lal_Local.pdf)

21) Leone Limalevu discussed a local development projects conducted in rural communities in Fiji. In particular it was noted that the encouragement of community leadership, ownership and involvement is critical for mainstreaming DRR and CCA and ensuring the sustainability of projects. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S3\\_5\\_FJI\\_Limalevu\\_Community.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S3_5_FJI_Limalevu_Community.pdf)

22) Following the presentations, the audience participated in a short activity to encourage discussion about entry points for DRR mainstreaming. Working in groups, participants were asked to propose priority actions under the headings based upon the Global Assessment Report for Disaster Risk Reduction. Angelika Planitz (UNISDR) noted that the targets identified by participants can be grouped under the following three key areas:

- Baseline and self-assessments
- Policy coherence
- 'Soft policy' aspects

#### **Preparedness, Response and Recovery (Session 4)**

23) This session included a number of presentations selected to allow approaches to preparedness, response and recovery to be shared and to highlight links to regional, national and local emergency preparedness efforts. The session planned to increase the awareness that emergency preparedness should be linked to development and "not just seen as humanitarian". The session aimed to strengthen:

- **coordination** in emergency preparedness between international, regional, national and local actors;
- **strategies** for coherent approach to capacity development of national/local/civil society in emergency preparedness;
- **national ownership** of preparedness activities; and
- **funding** for national, agency, interagency emergency preparedness and capacity development of national and local actors.

24) Helga-Bara Bragadottir delivered a presentation on national level legal preparedness to facilitate and regulate foreign disaster response. A number of challenges were identified,

including when sectoral policies, laws and SOPs do not account for procedures for entry of international relief items and personnel. Two practical challenges were noted, firstly the entry of assistance into the country (with procedures related to customs, quarantine, immigration that are not considered) and secondly, the quality and coordination of assistance (where appropriateness of items and personnel, lack of respect for local culture, capacity and conditions is sometimes an issue). A proposed solution to these challenges was for countries to take stock of laws and/or standard operating procedures to facilitate and regulate the entry of international assistance. If support is needed, IFRC has experts available upon request. Once the review has been made, revisions of the arrangements (laws, policies, SOPs, and so on) could be made, including by making use of the forthcoming Model Act for International Assistance, created in partnership between OCHA, IFRC and the Inter-Parliamentary Union. A copy of the presentation can be found at

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S4\\_1\\_IDRL\\_Bragadottir\\_IDRL.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S4_1_IDRL_Bragadottir_IDRL.pdf)

25) Charles Carlson from Emergency Management Cook Islands presented details of the Cook Islands Disaster Resilient Trust Fund. Challenges were identified in relation to how the fund should be managed, governed and grown and also how the fund can address donor concerns regarding government's use of funds. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S4\\_2\\_COK\\_Carlson\\_Fund.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S4_2_COK_Carlson_Fund.pdf)

26) Andrew Clelland of IPENZ delivered a presentation on the role of engineers in Emergency Response using examples from IPENZ work following the Christchurch earthquake, such as the matching of engineers with requests from the field for building safety inspections and assessments of the impact of lifeline engineering. Challenges were discussed and the applicability of the approach in a Pacific context was discussed. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S4\\_3\\_IPENZ\\_Clelland\\_BuildingBack.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S4_3_IPENZ_Clelland_BuildingBack.pdf)

27) Allison Gordon from the Office of Disaster Preparedness and Emergency Management in Jamaica discussed Caribbean experiences of emergency preparedness. Examples included building resilience and capacity at the community level through the development of Community Disaster Risk Management Plans and training community members in damage assessment, first aid, search and rescue and shelter management. A full copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S4\\_4\\_JAM\\_Gordon\\_Carib.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S4_4_JAM_Gordon_Carib.pdf)

28) Filomena Nelson of the Disaster Management Office in Samoa delivered a presentation of the Damage and Loss Assessment (DaLA) methodology and its application following the 2007 tsunami. The assessment was conducted by sector and facilitated the development of the Recovery Framework. The experience suggested there may be a need to modify the DaLA methodology to a Pacific context and also a need to promote and deliver training on DaLA in the Pacific Islands. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S4\\_5\\_WSM\\_Nelson\\_Dala.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S4_5_WSM_Nelson_Dala.pdf)

29) Peter Muller of UN OCHA delivered a presentation on the lessons learnt from the reviews of the Hyogo Framework for Action, the Regional Framework for Action and the Pacific Humanitarian Team. Key points of progress and opportunities for improvements were identified. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S4\\_6\\_OCHA\\_Muller\\_Continuity.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S4_6_OCHA_Muller_Continuity.pdf)

30) Following the presentations a number of questions were raised regarding the Cook Islands' Emergency Response fund including who manages the fund and how the fund will be grown. The Marshall Islands and Palau described the funds that exist in their countries and UNDP noted that their office covering the Cook Islands could be contacted for technical advice. A discussion also took place on the potential for local engineers to be engaged in post-disaster damage assessment surveys. Also questions were asked on the support for legal reviews on international assistance and on the content of the model act

### **Policy and Practice for integrating DRR and CCA in the Pacific (Session 6)**

31) The aim of this session was to ensure that the World Bank's Policy and Practice note for DRM and CCA in the Pacific islands Region is (i) a multi-stakeholder effort that is owned by countries, territories and their development partners; and (ii) not only contains the most pertinent policy messages but also truly reflects current and emerging best practices in DRM and CCA in the region, and beyond. Following group discussions the audience made a number of recommendations to strengthen the Policy and Practice note.

32) A copy of the presentation can be found here:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S6\\_WB\\_Pratt\\_PPN.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S6_WB_Pratt_PPN.pdf)

### **Integrating DRM and Climate Change into development – Resourcing opportunities in Pacific Island Countries and Territories (Session 7)**

33) The purpose of the session was to consider the critical role of major donors and development partners who provide support to disaster prevention and reduction in the Pacific. The key aim of the session was to gain an understanding of the assistance available for DRM and CCA and the immediate and medium term plans and initiatives of major donor and development partners in the Pacific.

34) Presentations were made by Australia, New Zealand, Japan, European Union, France, World Bank/GFDRR, Asian Development Bank and the United Nations. Following the presentations discussions raised the issues of the absorptive capacity of PICTs, complex requirements for applications of funds, a focus on project funding rather than budget support and coordination between donors.

35) Copies of presentations can be found at World Bank:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S7\\_3\\_WB\\_Battaglini\\_CCA\\_DRR\\_program.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S7_3_WB_Battaglini_CCA_DRR_program.pdf)

Australia:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S7\\_4\\_AusAID\\_McClean\\_DRM\\_CCA\\_programming.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S7_4_AusAID_McClean_DRM_CCA_programming.pdf)

Asian Development Bank:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S7\\_6\\_ADB\\_ODonnell\\_Financing.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S7_6_ADB_ODonnell_Financing.pdf)

European Union:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S7\\_5\\_EU\\_Casella\\_DRM.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S7_5_EU_Casella_DRM.pdf)

United Nations:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S7\\_2\\_UN\\_Osby\\_Financing.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S7_2_UN_Osby_Financing.pdf)

### **Community Based Disaster Risk Management – strengthening resilience to natural hazards and fostering sustainable development (Session 8)**

36) The aim of this session was to examine why CBDRM is important for the Pacific, and how we can effectively use this approach with climate change adaptation (CCA) strategies to help Pacific communities address vulnerability and develop sustainably.

37) John Campbell of the University of Waikato delivered a presentation on traditional disaster risk reduction providing examples of traditional food security and how the principles could be translated into a contemporary context. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S8\\_1\\_UNI\\_Campbell\\_Traditional\\_Flood.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S8_1_UNI_Campbell_Traditional_Flood.pdf)

38) Juita Korovulavula from the Foundation of the Peoples of the South Pacific (FSPI) presented the findings from *Views from the Frontline*, a project to capture the views from the local level on progress towards the Hyogo Framework for Action. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S8\\_3\\_FSPI\\_Korovulavula\\_Views\\_Frontline.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S8_3_FSPI_Korovulavula_Views_Frontline.pdf)

39) Jacqueline de Galliande of Vanuatu Red Cross shared the experiences of implementing community based disaster risk reduction initiatives in Vanuatu, Solomon Islands and New Caledonia. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S8\\_4\\_VRCS\\_Gaillande.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S8_4_VRCS_Gaillande.pdf)

40) Haden Talagi of the Niue Department of Environment delivered a presentation on the Pacific Adaptation to Climate Change project which in Niue is focusing on water resource management. The project process was described and a number of lessons learnt were highlighted. A full copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S8\\_5\\_NIU\\_Talagi\\_PACC.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S8_5_NIU_Talagi_PACC.pdf)

41) Siautu Alefaio-Tugia from Massey University gave a presentation which gave insight in to the immediate psychosocial recovery response and the subsequent training delivered in Samoa highlighting the importance of Samoa cultural concepts as tools for engagement during immediate disaster response efforts and healing in Post tsunami psychosocial recovery. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S8\\_2\\_WSM\\_Massey\\_AlefaioTugia\\_Galeuga\\_TSResponse.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S8_2_WSM_Massey_AlefaioTugia_Galeuga_TSResponse.pdf)

42) Common points raised in the presentations included the need to: galvanise community based leadership, access the Community diaspora, recognize and retain the traditional culture and model as a coping mechanism to reduce risks; support and sustain traditional knowledge and systems in emergency response; set standards so that people know the acceptable level of risk in terms of funding, decentralize funding, ensure equitable distribution of funding, take a programmatic approach rather than project based and recognize local level leadership while implementing preparedness and/or response activities.

### **Closed Session for PICT NDMOs and SPC/SOPAC (Session 9)**

43) As a precursor to this meeting the progress report and outcomes from the 16th Regional Disaster Managers meeting held in Nadi 2010 were presented. Russell Howorth and Kathryn Hawley presented a historical overview of the establishment of SOPAC-SPC and how it came to be awarded responsibility for DRM in the region. The team leaders of Policy and Planning, Risk Reduction Team, Training and Capacity Building, Pacific Disaster Net and the EDF 9 B and C Envelopes which cumulatively form the Disaster Reduction Programme (DRP) of SOPAC-SPC presented brief overviews of their current and future projects. In addition to this a representative from the Water and Sanitation team at SOPAC-SPC gave an overview of the work currently underway in that sector and demonstrated the areas of overlap between IWRM and DRM. An overview of the strategic outcomes for SOPAC division was presented by Mosese Sikivou to demonstrate the advantages of the technical services provided through the SOPAC work programme with expertise in DRP, Oceans and Islands Programme and the Water and Sanitation Programme to address multiple risks.

44) SOPAC-SPC recognised the progress made in the development and implementation of DRM NAP with all 14 countries and noted the efforts made by some to combine CCA and DRM activities. The progress made in countries that had access to B-envelope funds was acknowledged and countries would like help identifying funding for those countries not included. Following this the potential areas for funding through EDF 10 were presented. It was noted that Countries need to reach agreement on a guideline to disburse the funds from EDF 10 before moving forward on developing country implementation plans. Preparation of an action fiche must include costs for national implementation plans. Countries were asked to agree to a



guideline that has EUR 600,000 per forum SIS and EUR 1.35 million for remaining Pacific ACP states to be adopted.

45) The Draft Roadmap for the integration of DRR and CC was presented for consideration in advance of session 20 in order to allow the NDMOs time to reflect. The overarching aim of the Roadmap is to improve regional engagement in countries to reduce the burden on national absorptive capacity. Participants reiterated the fact that feedback from the NDMOs was needed in order to make the roadmap work for them and their policies. The notion of a technical working group and its composition was discussed with countries stating that it was important that there was consistency in the membership and that it is critical that people were not only committed but had time to implement the activities.

46) The Phase 3 concept note for the Pacific Catastrophe Risk Assessment and Financing Initiative was distributed for consideration in advance of session 18 before the meeting was brought to a close.

### **Special Presentations by Partners and PICTs (Session 10)**

47) The purpose of this session was to provide an opportunity for organisations and individuals to make presentations regarding their services and/or a specific project.

48) Jutta May of SPC (SOPAC Division) shared an update on the status and redesign of Pacific Disaster Net (PDN), which includes redefinition of the vision, mission, audience and scope of PDN. The work of the PDN team in updating the Disaster Risk Reduction projects portal was also discussed. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S10\\_SOPAC\\_May\\_PDN.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S10_SOPAC_May_PDN.pdf)

49) Abigail Baca from GFDRR (World Bank) delivered a presentation on tools for building disaster and climate resilience emphasizing the need for systems that address the disconnect between information providers and risk management decision makers. A number of tools supported by GFDRR were discussed. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S10\\_GFDRR\\_Baca.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S10_GFDRR_Baca.pdf)

50) Dale Dominey-Howes and James Goff from the Australia-Pacific Tsunami Research Centre discussed a Knowledge Note prepared for the World Bank on Tsunami Risk Management in the Pacific. The lack of data and understanding of tsunami hazard in the Pacific was highlighted as a key challenge. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S10\\_WB\\_DomineyHowes\\_Goff.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S10_WB_DomineyHowes_Goff.pdf)

51) David Stevens of UN-SPIDER discussed the support available for Disaster Management and Emergency Response through Space-based technologies and provided examples of where this technology had been used in the past. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S10\\_SPIDER\\_Stevens.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S10_SPIDER_Stevens.pdf)

52) Doug Ramsay of NIWA presented *EcoConnect*, an operational, environmental, forecasting and information service and decision support tool designed to assist Environmental Forecasting in New Zealand by bridging the gap between science and end users. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S10\\_NIWA\\_Ramsay.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S10_NIWA_Ramsay.pdf)

53) Steve Sherburn of GNS Science discussed the work of GNS Science in the Pacific region, presenting examples of collaboration with Samoa, Vanuatu and Solomon Islands. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S10\\_GNS\\_Glassey.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S10_GNS_Glassey.pdf)

54) Chris Chiesa of the Pacific Disaster Center presented *DisasterAWARE*, a tool for integrated, multi-hazard monitoring, disaster early warning, modeling, risk context information sharing. Users are required to login (available on request) to the system and can register for alerts for a range of hazards. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S10\\_PDC\\_Chiesa.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S10_PDC_Chiesa.pdf)

55) Bill Thomas of NOAA discussed Pacific Risk Management 'Ohana (PRiMO) a collaborative network for information sharing on disaster risk management in the Pacific. An invitation was extended for participants to attend the next PRiMO meeting in 2012. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S10\\_COK\\_PRIMO.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S10_COK_PRIMO.pdf)

### **Regional and National Early Warning Systems: The State of Play (Session 12)**

56) This session was designed to increase participants understanding of current Early Warning Systems in place in the Pacific and to discuss the challenges inhibiting further progress in the field of Early Warning Systems.

57) Alan Sharp of the Australian Bureau of Meteorology discussed existing early warning systems in place for Tropical Cyclones in the South Pacific region and highlighted the support available to Meteorologists in Pacific Island Countries. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S12\\_1\\_BOM\\_Sharp\\_TC\\_EWS.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S12_1_BOM_Sharp_TC_EWS.pdf)

58) Filomena Nelson of the Samoa Disaster Management Office shared an update on the Pacific Tsunami Warning and Mitigation System including the simplification of warning messages (effective 2013) and the organization of a tsunami exercise 'Pacific Wave' scheduled for November 2011. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S12\\_2\\_PTWS\\_Nelson\\_TSEWS.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S12_2_PTWS_Nelson_TSEWS.pdf)



59) Rajendra Prasad of UNESCO-IOC delivered a presentation on early warning systems for flood and drought. Examples were provided of a flood warning system in Fiji and Climate monitoring in Samoa. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S12\\_3\\_UNESCO\\_Prasad\\_Flood\\_Drought.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S12_3_UNESCO_Prasad_Flood_Drought.pdf)

60) Esline Garaebiti of Vanuatu Meteorology and Geohazards discussed Volcano Early Warning Systems drawing on examples from Vanuatu. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S12\\_4\\_VUT\\_Garaebiti\\_VolcanoWS.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S12_4_VUT_Garaebiti_VolcanoWS.pdf)

61) Allison Wiggins of the Barbados Coastal Zone Management Unit discussed warning systems for Tsunami and other Coastal Hazards in the Caribbean and adjacent regions. A key lesson learnt is the need to ensure the public understand early warning messaging and it was suggested that NGOs offer a good way to create awareness. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S12\\_5\\_Carib\\_Wiggins\\_ICG\\_caribEWS.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S12_5_Carib_Wiggins_ICG_caribEWS.pdf)

62) Netatua Pelesikoti of the Secretariat of the Pacific Regional Environment Programme shared the recommendations of the Regional Met Services Review. Key recommendations included the creation of a Regional desk for Pacific National Meteorology Services to ensure support for smaller country services. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S12\\_6\\_SPREP\\_Pelesikoti\\_RegMetReview.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S12_6_SPREP_Pelesikoti_RegMetReview.pdf)

63) Following the presentations plenary discussions focused on the availability of training for Meteorology Services in Pacific Island and Territories, in particular training available from New Zealand and Australia and the need to clarify and simplify warning messages across all hazards. A suggestion was made for a single alert scale and message format.

### **Knowledge, Training and Education (Session 13)**

64) The purpose of this session was to share initiatives being implemented in the region and to highlight progress in the area of Knowledge, Training and Education.

65) Jane Pierard of New Zealand's Ministry of Civil Defence and Emergency Management presented the Civil Defence and Emergency Management Competency Framework developed in response to the need to provide the sector and the public, assurance of the professionalism of the sector. The framework includes eight key areas of competence, under which there is a set of indicators, detailing their relevance and examples of the behaviors that should be exhibited by staff at different levels. A professional development needs analysis has highlighted that training is not the only solution to develop personnel capacities. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S13\\_2\\_MCDEM\\_Periard\\_CompetencyFramework.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S13_2_MCDEM_Periard_CompetencyFramework.pdf)

66) On behalf of Navi Litidamu, Kathryn Hawley provided an overview of the Fiji National University's new Post-graduate certificate in Disaster Risk Management course. The DRM certificate is an accredited program designed to draw in students from many different sectors to promote DRM mainstreaming through a cadre of DRM educated private and public-service professionals. The certificate includes four courses which will be finalized in mid-late 2012 with the support of AusAID, SPC/SOPAC and TAF (USAID/OFDA). A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S13\\_3\\_FNU\\_Litidamu\\_DR\\_MProfDev.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S13_3_FNU_Litidamu_DR_MProfDev.pdf)

67) Leone Limalevu, on behalf of Prof. Murari Lal and Dr Helene Jacot des Combes of the University of the South Pacific, shared the development of a graduate level DRR course as part of a Graduate Certificate in Climate Change. The Graduate Certificate is offered through USP's Pacific Centre for Environment and Sustainable Development (PACE-SD). USP's aims to provide trained climate change practitioners for the region and knowledge of DRR is therefore essential. The DRM course is offered through distance and flexible learning and also through in-service training for civil servants and staff of regional organisations. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S13\\_5\\_USP\\_Lal\\_CCA\\_DR\\_R\\_Edu.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S13_5_USP_Lal_CCA_DR_R_Edu.pdf)

68) Abigail Baca of The World Bank/GFDRR presented an overview of the World Bank Institute's Distance Learning Natural Disaster Risk Management Programme. The Programme has been designed to develop professionals and address the human resource need required for the implementation of the HFA and to contribute to DRR in local, national and regional levels. The Programme is available online, with streaming of lectures and discussion forums, but can also be accessed off-line via interactive CDs. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S13\\_4\\_GFDRR\\_Baca\\_Cap\\_Building.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S13_4_GFDRR_Baca_Cap_Building.pdf)

69) Jeremy Collymore, Executive Director of the Caribbean Disaster and Emergency Management Agency delivered a presentation on the cooperation between the Caribbean and Pacific. Outcomes of South-South Cooperation to date include the identification and documentation of good practice, joint initiatives to advance DRR and CCA integration, political leverage and joint advocacy, and trans-regional Early Warning Systems. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S13\\_6\\_CDEMA\\_Collymore\\_SouthSouthCoop.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S13_6_CDEMA_Collymore_SouthSouthCoop.pdf)

70) Caroline Fuentes of DASS in New Caledonia and Jan Gregor of ESR in New Zealand discussed their experiences of a 'twinning' relationship between DASS and ESR. The 'twinning' arrangement was put in place to provide support to New Caledonia in ensuring the provision of

potable water following a disaster. Whilst New Caledonia led the project, support personnel from New Zealand were available to provide support, mentoring and technical advice. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S13\\_7\\_Session13\\_7\\_NCL\\_Fuentes\\_Twinning\\_Water.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S13_7_Session13_7_NCL_Fuentes_Twinning_Water.pdf)

71) Following the presentations the audience commented that building competence in DRM through tertiary institutions was highly important, but that care must be taken to ensure courses offered by different tertiary institutions did not present duplication. Participants also observed it is important to examine how well the tertiary institutions perform, for example monitoring enrollment and completion rates. The audience also noted that a Competency framework is an important tool to improve the DRM service delivered to communities. It was suggested that an outcome would be agreed related to NZ's work on the competency framework, with the aim of developing a Pacific DRM Competency Framework. In line with this, audience members raised the issue of regional accreditation so that graduates of any training programmes can move around the region in times of disaster.

#### **Risk Information to Action: Launch of the Pacific Catastrophe Risk Assessment and Financing Initiative – Phase 2 (Session 14)**

72) State of the art catastrophe risk models have been developed to assess the economic and fiscal impact of natural disasters. Country-specific catastrophe risk models developed under PCRAFI allow the PICs to assess the economic and fiscal impacts of major natural disasters (e.g., earthquakes, tsunamis and tropical cyclones). In particular, they estimate the economic losses caused by natural disasters with different return periods (e.g., frequency of occurrence). The presentation gave an overview to how data was collected using GIS and satellite imagery. A lot of discussion was generated around the potential use for the data and how PICTs would be able to access the data going forward. For further information a copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S14\\_PCRAFI.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S14_PCRAFI.pdf)

#### **Special UNOCHA meeting for NDMOs (Session 15)**

73) This session looked at the UNOCHA proposal/concept note for strengthening coordination between the NDMOs in the region through the provision of UN Volunteers (UNVs). Discussion focused around the proposed role and selection criteria for the recruitment of the UNVs. Some issues were raised relating to the sustainability of these positions, the reporting line and the NDMOs involvement in the recruitment process and whether the candidates would have Pacific experience as a pre-requisite. Following this discussion it was recommended that UNOCHA produce a more detailed proposal and present it at the Pacific Humanitarian Team meeting 17<sup>th</sup>-21<sup>st</sup> October 2011.

74) For further information please contact Peter Muller: [peter.muller@undp.org](mailto:peter.muller@undp.org)

## Natural Solutions to Disaster Risk Reduction (Session 16)

75) Unsustainable practices in development (including agriculture, forestry) are recognized to increase community exposure to hazards and increase their vulnerability to disasters. The session recognized that climate change will exacerbate negative effects of unsustainable practices. The loss of natural defenses is hard and costly to replace. Solutions that involve more sustainable natural resource use are often cheaper than structural solutions to disaster risk. As such evidence on the economic value to ecosystems is critical if decision makers are to be encouraged to reduce disaster risk through more sustainable natural resource management. Investing in natural solutions to DRM is confounded by the fact that decision makers operate within a shorter time span than those of natural systems – short term benefits often appeal more than the long term benefits of investing in natural systems. People need to understand how natural solutions can support DRM so that they can motivate policy makers to take a longer term perspective.

76) Terry Hills gave an overview of the DRM components contained in the Pacific Islands' biodiversity, ecosystems and climate change adaptation project. Which noted that ecosystems can provide some protection from small to medium size hazards under specific conditions, such conditions should be identified and used to inform DRM policy. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S16\\_2\\_IUCN\\_Hills\\_Ecosystems.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S16_2_IUCN_Hills_Ecosystems.pdf)

77) Padma Lal discussed the role nature based solutions play in providing 'low regrets' options for reducing current disaster deficits as well as in providing 'win-win' solutions in improving economic livelihood, and in some cases mitigation against climate change. Using examples such as mangrove ecosystem and catchment management the technical and practical challenges in adopting ecosystem service based solutions to disaster risks management in a changing climate were highlighted. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S16\\_1\\_IUCN\\_Lal\\_NaturalSolutions.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S16_1_IUCN_Lal_NaturalSolutions.pdf)

78) Inoke Ratukalou gave a presentation on disaster risk reduction, climate change adaptation and Agriculture and forestry development in the Pacific which called for further integration of sustainable practises in to existing development policies in the agriculture and forestry sectors. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S16\\_3\\_SPC\\_Ratukalou\\_DRR\\_Agriculture.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S16_3_SPC_Ratukalou_DRR_Agriculture.pdf)

79) Marc Wilson provided natural solutions to disaster risk reduction relating to Integrated Water Resource Management which detailed the current projects underway in the region and how these are being integrated with CCA. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S16\\_4\\_SOPAC\\_Wilson\\_IWRM.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S16_4_SOPAC_Wilson_IWRM.pdf)

80) Allison Wiggins gave an overview of the work of the Coastal Zone Management Unit in Barbados, with respect to the implementation of these activities, and emphasised the role of natural solutions first, in all hazard situations or impacts requiring intervention. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S16\\_5\\_CZMU\\_Wiggins\\_Coastal.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S16_5_CZMU_Wiggins_Coastal.pdf)

### **Risk Information to Action: Pacific Catastrophe Risk Assessment and Financing Initiative – Next Steps (Session 18)**

81) The second session on Risk Information to Action was convened to inform countries and interested donors and development partners about the opportunities and potential applications of PCRAFI outputs. The partners of the initiative presented an overview of the proposed Phase III as well as the Pacific Catastrophe Risk Financing component of Phase II which includes institutional capacity building, disaster risk insurance market and a pilot disaster risk insurance programme.

82) The meeting

- i. Noted the efforts made to understand the underlying risks of Pacific Island Countries to perils in order to inform disaster reduction solutions and commended the progress made in the Pacific Disaster Risk Assessment Component of the initiative.
- ii. Noted that though the risk modeling undertaken did not include climate and extreme event considerations, there is room for this under Phase III
- iii. Noted the concerns and potential liability issues with respect to information access and recommended that these considerations be embedded into data access and sharing and acknowledged the need for further capacity development in using and maintain the Pacific Risk Information System
- iv. Requested support to develop a financing strategy for dealing with disasters including market insurance and managing the cost of insurance.
- v. Noted that possible risk financing options were being considered.

83) The meeting agreed to support Phase III noting that additional dialogue would be required with countries to clarify project components and activities

### **Launch of the 2011 Global Assessment Report for Disaster Risk Reduction (Session 19)**

84) In opening the session Mr Knut Ostby, United Nations Resident Coordinator for the Pacific remarked that the 2011 Global Assessment Report for Disaster Risk Reduction (GAR11) provides an overview of how governments are scaling up disaster risk management by adapting existing development mechanisms with existing development instruments, such as national planning, public investment systems, and social protection mechanisms. Mr Ostby wished to highlight especially two points of the report: the link between development and disaster issues, and the need to integrate DRR and CCA into national planning and public investment decisions.

85) The Report's lead Author, Mr Andrew Maskrey provided an overview of the key findings and recommendations. GAR 11 highlights the political and economic imperative to reduce disaster risks, and the benefits to be gained from doing so, focusing especially on public

investments, how decisions on public investments are made – and how they should be made. The report brings together the best available scientific information for risk modeling, the inputs of the HFA national progress reviews of 130 countries and analyses the information provided by the risk modeling and the issues reported by the countries in their self-assessment in the HFA reports. UNISDR has encouraged countries to systematically assess the disaster losses from small, medium and large disasters. A copy of Mr Maskrey's presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S19\\_UNISDR\\_Maskrey\\_GAR11.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S19_UNISDR_Maskrey_GAR11.pdf)

86) Comments from the region were invited to provide feed-back on applicability of GAR findings, resources and process in the Pacific and how they could be used to contribute to regional DRM efforts, as well as views on how to enhance participation of key stakeholders in the different GAR processes with the aim to strengthen the coverage of Pacific issues in the report. Key points raised by the audience included the need to increase Pacific Island representation on the advisory board for the 2013 GAR so that the experiences of the Pacific may feature more strongly in the report,

### **High Level Dialogue: A Roadmap towards a Post 2015 Integrated Regional Strategy for DRM, Climate Change Adaptation and Mitigation (Session 20)**

87) The purpose of the session was to share, discuss and seek endorsement of a draft Roadmap for the development of an integrated policy framework for disaster risk management, climate change adaptation and mitigation for implementation post-2015.

88) Clearly, disaster risk management and climate change adaptation share commonalities in purpose in that they aim to reduce the vulnerability of societies to hazards and their impacts by improving the ability to better anticipate, reduce or adapt and recover from their impacts. An integrated approach that reduces the risks from multiple hazards - whether climate-related or geophysical, sudden or slow onset in nature - is more effective in reducing vulnerability and the multiple risks posed to sustainable national development.

89) While there has been this positive emphasis on integration at a national level within PICs there is a need to provide a firm policy foundation at regional level in order to ensure that such attempts at national integration are reinforced and become part of a deliberate strategy moving forward. Having a regional strategy that integrates DRM and CC will provide a firm foundation for the improved coordination, if not consolidation, of donor support in these areas. Integration at a regional policy level will also provide an opportunity to simplify mechanisms of implementation of DRM and CC and strengthen collaboration and coordination between regional organisations, and other development partners and donors. It will enable PICs to optimize the use of scarce national human and financial resources. Pacific island country bureaucracies are relatively small and are often hampered by a lack of human and financial resources to at times undertake even the most routine governance functions.

90) At the end of the group discussions the concept note for the establishment of the Roadmap was endorsed.



## **The Pacific Platform Outcomes Statement (Session 21)**

91) During this session the draft outcomes were presented for comment. There was a healthy exchange of viewpoints given during the session and some modifications to the outcomes statement were suggested. It was agreed that revisions to the first draft of the statement would be made and the revised outcomes statement would be presented in the final session of the Platform.

### *Notes from the Global Platform for Disaster Risk Reduction*

92) This session was designed to strengthen the link between the Global and Regional Platforms for Disaster Risk Reduction. During the session Pacific Island delegates who attended the Global Platform in Geneva provided an overview of their personal experiences, the outcomes and agreed future action from the Global Platform and the relevance of these for the Pacific policy context.

93) A video of Samoa's national statement to the Global Platform delivered by Vaitoa Toelupe was shown. Anntoneth Arnhambat reflected on discussions around mainstreaming disaster risk management into budgetary processes. Charles Carlson shared his personal experiences and reactions to attending the Global Platform. Jiuta Korovulavula spoke about multi-stakeholder participation and civil society involvement and Ethel Falu Sigimanu reflected on the issue of gender equality and protection in disaster risk management. Preeya Ieli commented on local governance and decentralisation in disaster risk management.

## **Special Presentations by PICTs and Partners (Session 23)**

94) The purpose of this session was to enable PICTs and Partners to deliver presentations on topics of special interest.

95) Eric Duverger from the French Polynesia Office of Defence and Civil Protection delivered a presentation on their experiences of tsunami warning and evacuation following the Japanese Earthquake and Tsunami in March 2011. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S23\\_PYF\\_Duverger\\_TS\\_EWS.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S23_PYF_Duverger_TS_EWS.pdf)

96) Emilie Nowak from the Urban Planning Department on French Polynesia delivered a presentation on the provision of support for Storm Swell Mitigation in the Tuamotu Island group. A copy of the presentation can be found at:

[http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011\\_S23\\_PYF\\_Nowak\\_ReduceRiskTCWaves.pdf](http://www.pacificdisaster.net/pdnadmin/data/original/PPDRM2011_S23_PYF_Nowak_ReduceRiskTCWaves.pdf)

97) Charles Carlson of Emergency Management Cook Islands presented a video on traditional knowledge and cyclone warning signs. A member of the audience asked if DVDs of the video would be made available to others. The video will be converted into a suitable format for future upload into PDN.

**Finalisation of the Platform Outcomes Statement and Closing Address from the Chair (Session 24)**

98) The revised outcome statement was presented, briefly edited and endorsed by the participants. It was agreed that the finalized outcomes statement would be distributed after 19 August 2011, giving participants two weeks to send any further comments. A copy of the final outcomes statement can be found in Annex 1.

99) The Platform Chair thanked participants for their involvement in the Platform. Mr Eru Thomson formally closed the Platform with a traditional Maori Karakia.



## Annex 1 – Outcome Statement

### KEY OUTCOMES Auckland, New Zealand 1–5 August 2011

The Third Session of the Pacific Platform for Disaster Risk Management (the Platform) was convened in Auckland, New Zealand from 1<sup>st</sup> to 5<sup>th</sup> August 2011. The objectives were to:

- Galvanise the leadership and support of Chief Executive Officers for mainstreaming disaster risk considerations into national planning and budgetary processes
- Strengthen regional disaster risk management partnerships by establishing stronger linkages between representatives of Pacific island countries and territories with partner organisations
- Examine progress in disaster risk management in the Pacific and globally in the period 2009–2011
- Endorse a ‘roadmap’ towards the development of an integrated regional policy framework for disaster risk management and climate change beyond 2015.

In attendance were representatives of the following countries and territories of the Pacific and surrounding region including Australia, Cook Islands, Fiji, French Polynesia, Guam, Kiribati, Japan, Marshall Islands, Nauru, New Caledonia, New Zealand, Niue, Northern Marianas, Palau, Papua New Guinea, Pitcairn Islands, Samoa, Solomon Islands, Tonga, Tuvalu, United States of America, Vanuatu, Wallis & Futuna, as well as local government, civil society, members of the Pacific Disaster Risk Management Partnership Network, representatives from the United Nations and other international, regional and national organisations, and representatives from the Caribbean. Particular welcome was extended to Territories and partners attending the Platform for the first time.

The Platform expressed its heartfelt condolences to the communities of Australia, Japan, and New Zealand for the losses they had experienced in recent catastrophes. The Platform expressed appreciation to Pacific Island Countries and Territories, development partners and members of the Pacific Disaster Risk Management Partnership for their ongoing support and contribution to the advancement of disaster and climate risk management in the region. The Platform also extended its gratitude for the leadership and commitment demonstrated by the Secretary General of the Pacific Islands Forum Secretariat, Ministers and Chief Executive Officers, as well as the Resident Coordinator of the United Nations in attendance. Special appreciation was conveyed to the Government of New Zealand through the Ministry of Civil Defence and Emergency Management and the Ministry of Foreign Affairs and Trade for hosting and chairing the Platform.

The Platform noted the lessons learned from the New Zealand response efforts following the Christchurch earthquakes which resonated with the stakeholders represented at the meeting, in particular:

- i. encouraging research in readiness, response and recovery,
- ii. investing in building codes and their enforcement,
- iii. backing community resilience with preparedness, and
- iv. ensuring impact and needs assessments are systematic.

#### ***The Platform noted:***

1. the increasing vulnerability of Pacific Island Countries and Territories to a wide range of natural and climate-related hazards and contributing factors, such as unsustainable resource allocation and land use management, as well as increasing urbanisation pressures;
2. the importance of effective prevention and risk-proofing development investments, and the strengthening of disaster risk management and related human resource capacities;
3. the progress made at the regional and national level as outlined in the progress report of the 2010 Pacific Platform for Disaster Risk Management and the national progress reviews on implementing the Hyogo Framework for Action (HFA) and Pacific Disaster Risk Reduction and

Disaster Management Framework for Action (Regional Framework for Action or RFA) as reported to the Global Platform for Disaster Risk Reduction (Global Platform), and in the Midterm Reviews of the RFA and the Pacific Islands Framework for Action on Climate Change (PIFACC);

4. the success in reducing the number of fatalities resulting from extreme events in the Pacific island region, and the ongoing challenges to reduce economic and social losses;
5. other significant progress such as the detailed information on exposure and hazards that is now becoming available to Pacific Island Countries and Territories, the implementation of early warning systems, the planning for integrated responses to the threats of disasters and climate change, and progress in reducing community vulnerabilities and enhancing resilience;
6. the Chair's Summary of the 2011 Global Platform for Disaster Risk Reduction which was attended by the largest delegation of Pacific island nations to date sharing their key messages;
7. the importance of the Platform as a strategic opportunity for dialogue and the sharing of experience and best practice in disaster risk management and its integration with climate change;
8. the need to evaluate options for promoting the integration of disaster risk management and climate change financing that are consistent with the decision of the Pacific Island Forum Leaders and the Forum Economic Ministers Meeting.

***The Platform AGREED to work toward the following outcomes:***

**Advocacy**

9. Increase regional multi-stakeholder representation at the Global Platform and greater involvement in its high level dialogues. In particular Pacific Island Countries and Territories, in conjunction with other Small Island Developing States, to be represented in the International Strategy for Disaster Reduction Advisory Group to formulate a global post-2015 instrument to succeed the Hyogo Framework for Action.
10. Increase participation of key stakeholders at the regional and national level in the processes related to the preparation of the 2013 Global Assessment Report on Disaster Risk Reduction (GAR), for example through participation in the GAR Advisory Board, the contribution of Pacific risk information to the Global Disaster Risk Model, and the monitoring of progress against national disaster risk management priorities, the RFA and the HFA
11. The opportunity for all partners to seek support for disaster risk management activities for Pacific island countries and territories during the 3<sup>rd</sup> World Summit on Sustainable Development in Rio, in June 2012, subject to further direction from Pacific regional meetings.

**Disaster Risk Management Budgeting and Financing**

12. Evaluate cost-effective risk financing options to minimize fiscal, financial and economic risk, including disaster reserve, trust funds or disaster risk insurance to facilitate post-disaster response.
13. Increase financial allocations to civil society organizations in support of more comprehensive and long-term community-based disaster risk management programmes.
14. Simplify arrangements and procedures for accessing disaster risk management funding and reporting on expenditure.

**Integration of Disaster Risk Management and Climate Change**

15. Incorporate comments from the Platform on the draft "Roadmap towards a Post 2015 Integrated Regional Strategy for Disaster Risk Management and Climate Change Adaptation & Mitigation" with the view to submitting it for consideration to the Governing Councils of the Secretariat of the Pacific Community and Secretariat of the Pacific Regional Environment Programme.
16. Ensure disaster risk management and climate change policy cohesion across development sectors through greater linkages with finance and planning departments and alignment with the national Millennium Development Goal processes.
17. Strengthen the implementation of ongoing and new initiatives that pursue an integrated approach to disaster risk management and climate change in the context of development to further build on the existing body of experience and practice.
18. Prepare policy and practice guidance on the integration of disaster risk management and climate change into development to complement and support efforts being pursued by the Pacific Island Countries and Territories and relevant regional organizations and partners.

### **Natural Resource Management**

19. More emphasis on, and recognition of, best practice in sustainable natural resource and land use management for increased cost effectiveness of disaster risk reduction options, including the documentation of traditional production practices in disaster risk management.

### **Early Warning Systems**

20. Establish a Pacific regional early warning working group to coordinate and complement the efforts of other working groups and Pacific Island Countries and Territories to assist in the development of early warning systems both at regional and national levels and to establish clear standard operating procedures for relevant agencies, as well as simplify and standardize early warning messages and alerts for inclusion in ongoing education and public awareness programmes.
21. Improve guidance for accessing the Disaster Managers' Online Forum on Pacific Disaster Net to facilitate regional information exchange regarding the issuance of warnings and other key topics.
22. Secure financial support to operationalise a Pacific Desk in support of national meteorology services.

### **Preparedness and Response**

23. Increase the frequency of exercises to test readiness and identify areas needing improvement using the variety of existing guidelines.
24. Broaden support for strengthening preparedness and response capability in high risk communities.
25. Strengthen legal arrangements at the national level to facilitate and regulate foreign disaster response, by making use of internationally recognized guidelines and the forthcoming 'Model Act'.
26. Increase involvement of preferably local specialists, including engineers, in post-disaster assessment and/or establish arrangements with international professional networks.

### **Damage, Loss and Risk Assessment**

27. Introduce and adopt at the national level a standard methodology for systematically assessing damage, loss and risks as a basis for determining effective risk management strategies.
28. Establish and strengthen, where required, the collection of all-hazards and time-series information to enable the disaggregation of vulnerability data by (for example) hazard, gender and locations to facilitate evidence-based disaster risk management.
29. Establish national loss databases and improve economic valuation and scientific modelling for understanding of risk as a precondition for identifying high risk communities and strengthening policy and evidence-based decision making for disaster risk management, climate change and development planning at all levels.
30. Take stock of the existing vulnerability of key infrastructure in high risk areas whereby the enforcement of building codes can be prioritised.

### **Community level**

31. Develop a framework/model to guide community-based disaster risk management and climate change work in the Pacific which incorporates traditional, local and scientific knowledge and examples of best practice in the region.
32. Ensure that institutional and policy arrangements acknowledge and establish communities and local government as active participants in setting national disaster risk management and climate change policies and priorities.

### **Risk Governance Capacity**

33. Identify national 'champions' who proactively advocate for greater investments in risk reduction and adaptation.
34. Establish multi-stakeholder and multi-sector national platforms that meet at least bi-annually to strengthen exchange among disaster risk management and climate change practitioners, policy-makers and civil society to strengthen more inclusive disaster risk management policy setting and practice.

35. Support National Disaster Management Offices by strengthening disaster risk management coordination through enhanced human resource capacity in the form of providing peer support, on-the-job mentoring, and other solutions.
36. Include approaches that integrate gender and social protection issues into disaster risk management policy and practice.
37. Conduct national self-assessments and independent local level reviews of progress in disaster risk management and climate change to inform national planning and priorities, and at the same time to contribute to progress reviews of both the Regional and the Hyogo Frameworks for Action.
38. Identify at least one development sector for implementing a sector-wide mainstreaming initiative for disaster risk management and climate change with policy, plan and budget in place.

#### **Information, Knowledge and Education**

39. Ensure ongoing support for the tertiary disaster and climate risk management courses at the University of the South Pacific, Fiji National University and University of Papua New Guinea and strengthen collaboration between these universities and disaster risk management practitioners to ensure relevance and consistency in tertiary education.
40. Develop and implement a Pacific Disaster Risk Management Competency Framework to assist in the identification of professional development needs which could include training, mentoring, partnering, peer support and formal tertiary education.
41. Map the range of disaster risk management training and capacity building activities available across the region.
42. Identify national research priorities in hazard and climate change for improved evidence-based decision making, including the identification of high risk communities.
43. Continue to develop and strengthen the Pacific Disaster Net, taking into consideration the findings and new directions from the recent strategic planning process.

Participants of the Platform are invited to share on the Pacific Disaster Net, their action pledges to address the above outcomes.

5th August 2011  
Auckland, New Zealand

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**Annex 3 – Agenda (attached)**



# 3<sup>rd</sup> Session of the Pacific Platform for Disaster Risk Management

*Auckland Holiday Inn*

## **AGENDA**

### **Purpose**

In sharing experiences, issues and challenges facing the Pacific in terms of its vulnerability to the impacts of disasters posed by a range of natural hazards, the 2011 Pacific Platform for DRM will consider and endorse a 'roadmap' for the integration of the current and separate regional policy frameworks for disaster risk management and climate change

### **Objectives**

1. To galvanise the leadership and support of CEOs for mainstreaming disaster risk considerations into national planning and budgetary processes
2. To strengthen the regional DRM partnerships by establishing stronger linkages between representatives of Pacific island countries and territories with partner organisations
3. To examine progress in DRM in the Pacific and globally in the period 2009 – 2011
4. To endorse a 'roadmap' for the integration of the regional policy frameworks for disaster risk management and climate change adaptation in 2016

Monday 1<sup>st</sup> August

Time	Agenda	Resource Persons	Venue
8.00am	<b>“KARAKIA”</b> <b>Waiata: Himene Whakaaria mai</b>  <b>Traditional NZ Maori Prayer and Welcome</b>	Jane Pierard, NZMCDEM	Jean Batten Ballroom
8.30am	<b>Session 1: Opening</b>  <b>Introductory Statements</b> <ul style="list-style-type: none"> <li>▪ Dr. Russell Howorth, Director SOPAC/SPC (Platform Co-Convenor)</li> <li>▪ Ms.Margareta Wahlstrom, Special Representative of the UN Secretary-General for Disaster Risk Reduction (Platform Co-Convenor)</li> </ul>	Mosese Sikivou, SOPAC/SPC John Titmus, NZMCDEM	Jean Batten Ballroom
9.30am	<b>Keynote Address</b> <ul style="list-style-type: none"> <li>▪ Hon. Craig Foss, Minister for Civil Defence and Emergency Management, Government of New Zealand</li> </ul>	Mosese Sikivou, SOPAC/SPC John Titmus, NZMCDEM	Jean Batten Ballroom
10.00am	<b>Presentation</b> <ul style="list-style-type: none"> <li>▪ <b>Christchurch Earthquake: New Zealand’s Response</b></li> </ul>	John Hamilton, Director of NZMCDEM	Jean Batten Ballroom
12.00pm	<b>Session 2:</b>  <b>Natural Hazards, Unnatural Disasters</b> <b>The Economics of Effective Prevention</b>	Michael Bonte, World Bank (Coordinator)  Moderator TBC	Jean Batten Ballroom
1.00pm	<b>Lunch</b>		
2.00 pm	<b>Session 3: Mainstreaming Disaster and Climate Risks into Planning and Decision-making Frameworks</b>	Angelika Planitz, UNISDR, Moortaza Jiwaji, UNDP PC (Coordinators)	Jean Batten 1

Time	Agenda	Resource Persons	Venue
	1. Building resilience to disasters and climate change: Lami Town Council, Fiji 2. Integrated NAP for DRM and Climate Change Adaptation: Cook Islands 3. Budgeting for DRM - A First Step for tracking DRR Investments: Vanuatu 4. Mainstreaming DRR in Education and Human Resource Development: Solomon Islands 5. Mainstreaming DRR and CCA at community level in Fiji: USP PACE	Mac Mokoroa, Cook Islands (Moderator) Preeya Lal, LTC Liz Koteka, OPM Cook Islands Antonneth Arnhambat, MFEM Vanuatu Aseri Yalangoro, MoE Solomon Islands Leone Limalevu, USP	
2.00pm	<b>Session 4: Preparedness, Response and Recovery</b> 1. International Disaster Response Law: Strengthening DM Response Arrangements, IFRC 2. Post Disaster Financing: Establishment of a Disaster Fund in the Cook Islands 3. Building Back Better: IPENZ 4. Caribbean Experience in Preparedness & Response 4. Application of Damage & Loss Needs Assessments in Samoa 5. Contingency Planning & Preparedness, UNOCHA	Peter Muller, UNOCHA (Coordinator & Moderator) Helga-Bara Bragadottir, IFRC Charles Carlson, EMCI Andrew Cleland, IPENZ Allison Gordon, ODPEM, Jamaica Filomena Nelson, DMO Samoa Peter Muller, UNOCHA	Jean Batten 2
5.00pm	<b>Session 5: PICT/Partner Side Meetings 1</b>	Stephanie Zoll, SOPAC/SPC	Amy Johnson & Amelia Earhart
7.00pm	<b>Welcome Reception</b> Hosted by the New Zealand Ministry of Civil Defence and Emergency Management	John Titmus, NZMCDEM	Jean Batten 2 and 3

Tuesday 2<sup>nd</sup> August

Time	Agenda	Resource Persons	Venue
8.00am	Recap and Pre-Session Announcements	Jane Pierard, NZMCDEM	Jean Batten Ballroom
8.30am	Session 6: Policy & Practice for Integrating DRR and CCA in the Pacific	John Hay, Cristelle Pratt and Michael Bonte, World Bank (Coordinators)  Charles Feinstein, World Bank (Chair)	Jean Batten Ballroom
10.00am	Session 7: Integrating DRM and Climate Change into Development – Resourcing Opportunities for Pacific Island Counties and Territories	Mosese Sikivou, SOPAC/SPC Cristelle Pratt and John Hay, World Bank (Coordinators)  Neroni Slade, Sec- General PIFS (Moderator)	Jean Batten Ballroom
1.00pm	Lunch		
2.00pm	Session 8: Community-based Disaster Risk Management – Strengthening Resilience to Natural Hazards and Fostering Sustainable Development  1. Traditional DRR in Pacific island countries  2. Galuega Toe Fuata'ina (A Reviving Work): Samoa Tsunami Response	Ysabeau Rycx, IFRC (Coordinator)  Nikki Rattle, Cook Islands Red Cross and Roshni Chand, FSPI (co-Moderators)  John Campbell, Univ of Waikato Siautu Alefaio, Massey	Jean Batten 1

	<p>3. Views from the Frontline- Pacific report on implementing the Hyogo Framework for Action</p> <p>4. Together Becoming Resilient: Community-based DRR in Melanesia - Vanuatu Red Cross</p> <p>5. Building Resilience to Climate Change: Pacific Adaptation to Climate Change Project: Niue</p>	<p>Univ Jiuta Korovulavula, FSPI</p> <p>Jacquelline de Gaillande &amp; Hervé Gazeau Vanuatu Red Cross / French Red Cross Haden Talagi, DoE Niue</p>	
<b>2.00pm</b>	<p><b>Session 9: Closed Meeting for PICT NDMOs and SOPAC/SPC</b></p> <p><i>(followed by Dinner at 6.00pm in Richard Pearse Room)</i></p>	<p>Moses Sikivou, SOPAC/SPC (Coordinator)</p>	Jean Batten 2
<b>2.00pm</b>	<p><b>Session 10: Special Presentations by Partners and PICTs</b></p> <p>World Bank – Tsunami Risk Management in the Pacific</p> <p>NIWA – Environmental Forecasting in New Zealand</p> <p>SOPAC/SPC – Pacific Disaster Net</p> <p>UN-SPIDER – Thematic Partnership for the Pacific Region</p> <p>GNS Science in the Pacific</p>	<p>Stephanie Zoll, SOPAC/SPC (Coordinator)</p> <p>Michael Bonte, World Bank Doug Ramsay, NIWA</p> <p>Jutta May, SOPAC/SPC</p> <p>David Stevens, UN- SPIDER</p> <p>Michelle Daly and Steve Sherburn, GNS Science</p>	Jean Batten 3
<b>5.00pm</b>	<b>Session 11: PICT/Partner Side Meetings 2 &amp; 3</b>		Jean Batten 1 & 3
<b>7.00pm</b>	<p><b>Reception</b></p> <p>Hosted by GNS Science and NIWA</p>	<p>Waverly Jones, GNS Science (Coordinator)</p>	Amelia Earhart



Wednesday 3<sup>rd</sup> August

Time	Agenda	Resource Persons	Venue
8.00am	Recap and Pre-Session Announcements	Jane Pierard	Jean Batten 1 and 2
8.30am	<b>Session 12: Regional and National Early Warning Systems: The State of Play</b>  1. Tropical Cyclone EWS 2. Tsunami EWS 3. Flood/Drought EWS – UNESCO 4. Volcano EWS – Vanuatu 5. Caribbean Tsunami and Coastal Hazards Warning System	Rajendra Prasad, UNESCO (Coordinator)  Ken Gledhill, GNS Science and Arona Ngari, Cook Islands Met Service (co- Moderators)  Alan Sharpe, Australian Bureau of Meteorology  Ken Gledhill, GNS Science and Filomena Nelson, DMO Samoa  Rajendra Prasad, UNESCO  Esline Garaebiti, Vanuatu Meteorology and Geohazards Department Vanuatu  Allison Wiggins, Coastal Zone Management Unit, Barbados	Jean Batten 1

	6. Regional Met Service Review – Progress Report	Netatua Pelesikoti, SPREP	
8.30am	<b>Session 13: Knowledge, Training and Education</b>  1. NZ DRM Competency Framework: A basis for DRM Capacity Building  2. Professional Development in DRM  3. Partnership Learning Series: On line training for DRM – WB  4. Climate Change Adaptation: Post graduate Training at USP  5. Building bridges: South-South Cooperation  6. Twinning in Disaster Risk reduction: The NZ	Kathryn Hawley, TAF/OFDA (Coordinator)  Kirstie Meheux, SOPAC/SPC (Moderator)  Jane Pierard, NZMCDEM  Navitalai Litidamu, FNU  Michael Bonte, WB  Leone Limalevu, USP PACE  Jeremy Collymore, CDEMA  Caroline Fuentes, New Caledonia; Jan Gregor ESR NZ	Jean Batten 2 and 3

<b>11.30am</b>	<b>Session 14: Risk Information into Action Launch of the Pacific Catastrophe Risk Assessment and Financing Initiative – Phase 2</b>  <u>Expert Panel</u> Russell Howorth SOPAC/SPC; Salesa Kaniaha Nihmei Vanuatu Meteorology & Geohazards Department; Loti Yates, National Disaster Management Office, Solomon Is; Dallas Young, MFEM Cook Islands; John Schneider Geosciences Australia	Michael Bonte, World Bank (Coordinator)  Geraldine Coutts, Radio Australia (Moderator)	Jean Batten Ballroom
<b>1.00pm</b>	<b>Lunch</b>		
<b>2.00pm</b>	<b>Session 15: Special UNOCHA Meeting for NDMOs</b>	Peter Muller, UNOCHA (Coordinator)	Jean Batten 1
<b>2.00pm</b>	<b>Session 16: Natural Solutions to Disaster Risk Reduction</b>      1. Overview of DRM Components of Pacific Island Biodiversity, Ecosystems & CCA project  2. Natural Solutions to Disaster Risks in the Pacific: Some challenges in a changing climate  3. Water Supply Management for Droughts - Pitcairn Island  4. DRR, Climate Change and Agriculture Development in the Pacific  5. IWRM in the Pacific	Paula Holland, SOPAC/SPC (Coordinator)  Netatua Pelesikoti, SPREP (Moderator)  Terry Hills, Conservation International  Padma Lal, IUCN  Brian Dunn  Inoke Ratukalou, LRD/SPC  Marc Wilson, SOPAC/SPC	Jean Batten 2

	6. Best practise in Coastal Climate Change Adaptation through coastal development control and conservation of the five natural lines of defense against sea level-related hazards	Allison Wiggins, CZMU Barbados	
<b>2.00pm</b>	<b>Session 17: High Level Dialogue Preparatory Committee</b>	Mosese Sikivou, SOPAC/SPC (Coordinator)	Jean Batten 3
<b>4.00pm</b>	<b>Session 18: Risk Information into Action Pacific Catastrophe Risk Assessment and Financing Initiative – Next Steps</b>	Michael Bonte, WB (Coordinator)	Jean Batten 1
<b>5.00pm</b>	<b>Session 19: Launch of the 2011 Global Assessment Report on Disaster Risk Reduction</b>	Angelika Planitz, UNISDR Mosese Sikivou, SOPAC/SPC (Coordinators)	Jean Batten Ballroom
<b>7.00pm</b>	<b>Reception</b> Hosted by World Bank, GFDRR and UNISDR	Michael Bonte, WB	Jean Batten Foyer

Thursday 4<sup>th</sup> August

Time	Agenda	Resource Persons	Venue
8.00am	Pre- Session Announcements	Jane Pierard, NZMCDEM	Jean Batten Ballroom
8.30am	<b>Session 20: High Level Dialogue Roadmap Towards an Integrated Regional Policy Framework for DRM and Climate Change Adaptation for 2016+</b>  <b>Statements</b>  1. Chair – New Zealand 2. UNISDR 3. CDEMA 4. SPREP 5. SPC  <b>Presentation of Draft Roadmap</b>	Mosese Sikivou, SOPAC/SPC, Angelika Planitz UNISDR, Netatua Pelesikoti, SPREP (Coordinators)  David Coetzee, National Operations Manager & National Controller, NZMCDEM (Chair)  Mosese Sikivou SOPAC/SPC ; Netatua Pelesikoti, SPREP	Jean Batten Ballroom
1.00pm	Lunch		
2.00 pm	Plenary Discussions on Draft Roadmap	Mosese Sikivou SOPAC/SPC ; Netatua Pelesikoti, SPREP ; Angelika Planitz, UNISDR	Jean Batten Ballroom
3.30pm	<b>Session 21: The Pacific Platform Outcomes Statement &amp; Notes from the Global Platform for DRR</b>  <b>Presentation by the Platform Rapporteur</b>	Angelika Planitz, UNISDR, Mosese Sikivou SOPAC/SPC (Coordinators)  TBC	Jean Batten Ballroom

Time	Agenda	Resource Persons	Venue
5.00pm	<b>Session 22: PICT/Partner Side Meetings 4 &amp; 5</b>	Stephanie Zoll, SOPAC/SPC (Coordinator)	Jean Batten 1 & 3
5.00pm	<b>Session 23: Special Presentations by PICTs and Partners</b>  Tsunami Early Warning System in French Polynesia  Reducing the Risk of Cyclonic Waves in French Polynesia  Traditional Signs for Cyclones in the Cook Islands	Stephanie Zoll, SOPAC/SPC (Coordinator)  Eric Duverger, French Polynesia  Emile Nowak, French Polynesia  Charles Carlson, Cook Islands	Jean Batten 2
7.00pm	<b>Closing Reception</b>  Hosted by SOPAC/SPC	Mosese Sikivou SOPAC/SPC	Jean Batten Foyer

**Friday 5<sup>th</sup> August**

<b>Time</b>	<b>Agenda</b>	<b>Resource Persons</b>	<b>Venue</b>
<b>8.00am</b>	<b>Pre- Session Announcements</b>	Jane Pierard, NZMCDEM	Jean Batten Ballroom
<b>8.30am</b>	<b>Session 24: Closing</b>  <b>Finalisation of Platform Outcomes Statement</b>  <b>Closing Statements from PICTs and Partners</b>	Moses Sikiyou, SOPAC/SPC, Angelika Planitz UNISDR, (Coordinators)  John Hamilton, NZMCDEM (Chair)  Rapporteur (TBC)	Jean Batten Ballroom
<b>11.00am</b>	<b>Closing Address</b>  <b>Mr. John Hamilton</b> <b>Director</b> <b>New Zealand Ministry of Civil Defence and Emergency Management</b>	Jane Pierard, NZMCDEM	Jean Batten Ballroom
	<b>"KARAKIA"</b> <b>Waiata: Himene Whakaria mai</b>  <b>Traditional NZ Maori Farewell</b>	Jane Pierard, NZMCDEM	Jean Batten Ballroom
<b>12.00pm</b>	<b>Lunch</b>		