

12th Pacific Science Inter-Congress

Scientific Programme

Monday, 8th July

0845-1020	<p>Opening Ceremony, 12th Pacific Science Inter-Congress Chief Guest: His Excellency President Ratu Epeli Nailatikau Welcome addresses from Professor Rajesh Chandra, Vice Chancellor and President, USP and Dr Nancy Lewis, President, PSA fmf Gymnasium</p>
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Morning tea

1100-1200	<p>Plenary Address 1: Prof Kiyoshi Kurokawa Science for Human Security and Sustainable Development in the Pacific Islands and Rim fmf Gymnasium</p>
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1200-1300	<p>Plenary Address 2: Prof Nordin Hasan Future Earth fmf Gymnasium</p>
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1300-1320	<p>Message from HE Anote Tong, President of Kiribati Regional Issues of the Pacific Islands fmf Gymnasium</p>
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Lunch

Venue:	AusAID LT1	N111	S024	IS30	New FBE LT	Japan-Pacific ICT	AusAID LT2	SO25/26	AusAID PS	FSTE PG Sem Rm
Map Loc:	4	10	12	12	12	6	4	12	4	20

1420-1440	<p>Theme 1: Biodiversity, Ecosystem Services, and Resilient Societies <i>G Brodie, W Aalbersberg</i></p>	<p>Theme 2: Information and Communications Technologies (ICT) for Sustainable Development <i>B Sharma, J Vanualailai</i></p>	<p>Theme 3: Food, Water, Energy and Health <i>W Aalbersberg, A Raturi</i></p>	<p>Theme 4: Society, Culture and Gender <i>AM Ratunabuabua, M Rokonadravua</i></p>	<p>Theme 5: Governance, Economic Development and Public Policy <i>J Saqib, V Naidu, B Prasad</i></p>	<p>Theme 6: Climate Change and Impacts <i>E Holland, S Hemstock</i></p>	<p>Theme 7: Oceans <i>J Veitayaki, S Pohler</i></p>	Future Earth Panel Discussion <i>N Hasan, A Raturi</i>	<p>Special Session: Natural Solutions - Building Resilience for a Changing Pacific <i>T Carruthers</i></p>
1440 - 1500	<p>Market valuation of nutrients for Ecosystem services for large scale private firms <i>HV Korff</i></p>	<p>Classification of Pacific Pearls and Clams with Support Vector Machines <i>M Loesdau et al</i></p>	<p>Food sovereignty on Rapa Nui: A review of the food patterns between 1864 and the present <i>A Seelenfreund, F Ramirez</i></p>	<p>Performing Arts, Gender and Museums in the Pacific : The Role of Museums in Culture Maintenance <i>T Vunidilo</i></p>	<p>Trade in Services and Growth of Pacific Island Countries (PICs) <i>K Rai, D Maiti</i></p>	<p>Improved understanding of Climate Change science for Pacific Islands <i>B Murphy et al</i></p>	<p>Eastern and Central Pacific ENSO and their relationships to the recharge/discharge oscillator paradigm <i>A Singh, T Delcroix</i></p>		<p>Mangrove management in Fiji: a top down approach to co-management <i>N Nand</i></p>
1500 - 1520	<p>Artificial intelligence methods for problems in systems biology: Metabolic Flux Analysis <i>R Chandra</i></p>	<p>Vehicle guidance and traffic control system <i>U Mehta et al</i></p>	<p>Adoption of coffee based farming practices by smallholder coffee growers in PNG <i>B Tiko, A Halim</i></p>	<p>The Faikava Tonga <i>E Fehoko</i></p>	<p>A study of public financial management in Samoa <i>P Singh, J Bhati</i></p>	<p>Processing and monitoring of Climate Change data for coral reefs of the Fiji Islands <i>ADR N'Yeurt et al</i></p>	<p>The deep chlorophyll maximum in Fiji waters <i>E Anderson, K Urata</i></p>		<p>Engaging the Pacific in ecosystem based adaptation approaches <i>P Donohoe et al</i></p>

Afternoon tea

1600-1620	<p>Sustainable agricultural production landscaping system in Fiji - the way forward <i>A. Prasad et al</i></p>	<p>Emotional function generation using neutral network <i>DH Kim</i></p>	<p>Preliminary value chain analysis and value adding of cultured Tilapia (<i>Oreochromis niloticus</i>) in Fiji <i>S Bala et al</i></p>	<p>DNA extraction and amplification from contemporary Polynesian bark-cloth <i>A Seelenfreund</i></p>	<p>Determinants of Oceanian currency options <i>L RO'I</i></p>	<p>Mathematical modeling of carbon sink and emission in rain forests of Papua New Guinea <i>K Neuendorf, B Marasinghe</i></p>	<p>Establishing a baseline of spinner dolphin acoustic communication within Moon Reef, Fiji Islands <i>S Simpson et al</i></p>	Future Earth Panel Discussion Contd.	<p>Potential of the problematic weed <i>abrus precatorius</i> to control invasive <i>coptotermes gestroi</i> termite in Fiji <i>R Prasad et al</i></p>
1620-1640	<p>Floristic biogeography of Fiji <i>S Pene, S Dowling</i></p>	<p>University-Industry Partnership: A necessary requirement to produce competent engineers for Papua New Guinea <i>J Pumwa</i></p>	<p>Shelf life prediction of cold-smoked Tilapia <i>J Lako et al</i></p>	<p>Influence of traditional values on conservation of charismatic animals in Fiji <i>A Bertram</i></p>	<p>The impact of microcredit on the health system in Bangladesh <i>Y Tseng</i></p>	<p>Analysis of coastline change using remote sensing data in Kosrae, Micronesia <i>HS Park (presented by SH Lee)</i></p>	<p>Assessment of anthropogenic sources of heavy metal pollution in the Suva coastal environment using multivariate techniques <i>V Chand, S Prasad</i></p>		<p>Natural solutions - non-climate change related threats to biodiversity and ecosystems <i>B Jefferies</i></p>

1640-1700	Using a species distribution model to identify areas of suitable habitat for an endangered Fijian forest podocarp S Pene et al	Harnessing mobile technology for science communication for sustainable development A Schram	Phosphorous requirements of soils in the Fiji sugarcane belt S Goundar et al	Ethnochemistry and Ethnomedicine of ancient Papua New Guineans B Marasinghe, P Jeyarathan	Trade's impact on technological progress and efficiency improvement: A case study of seven PICs BC Prasad, H Chen, B Singh	Relationship between the Southern Oscillation and rainfall in Vanuatu RS Tigona, CR de Freitas	Collaborative Project : Ocean Acidification (OA) monitoring in the Chuuk Lagoon, FSM JH Noh et al	N Hasan, A Raturi	Boosting natural resilience through integrated solid waste management E Richards, D Haynes	TO ACTION HAFM Jansen, GR Ilolahia, B Takala Abraham, T Tokam, P Chatterier
1700-1720	Invasive potential of two non-native plant species in Fiji AR Macanawai	Collaborative conceptual modelling: building community adaptive capacity B Newell	Rural-urban migration in Fiji: A case of declining agriculture and food security S Kumar, S Michael		ANN-based forecasting of Samoa's currency exchange rate S Ahmed et al	Reproducibility of precipitation over East Asia by CMIP5 models S. Kusunoki	Aspects of carbonate production and beach nourishment in Fiji, SW Pacific SML Pohler et al		The Pacific Islands global Ocean observing system. Science for societal benefit. P Wiles	

Tuesday, 9th July

0820-0910	Keynote Theme 1: Biodiversity, Ecosystem Services, and Resilient Societies Professor Dieter Mueller-Dombois Venue: AusAID Lecture Theatres									
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0920-0940	Biodiversity modeling for rock islands in Palau's southern lagoon, world heritage site C Kitalong	Valuing ICTs in the developing Pacific: A human security perspective from Tonga FVM Mafileo	Saline water use for agricultural development in coastal regions of India SK Gupta	Pacific youth in New Zealand and a quarter life crisis? ST Pole	Urbanisation and economic growth in the South Pacific: a study of three Melanesian Countries NS Swami, R Singh, BC Prasad	Projected seasonality in ocean acidification in the Western Pacific region S Nandini	Excavating sponges from the SW Pacific: their biodiversity and role in reef bioerosion SML Pohler	Panel Session: Australia and the Pacific Islands G McCall, H Mueckler, C 'Ilaiu Talei	Special Session: Fragility versus Resilience in Pacific Ecosystems under Global Change: A PABITRA Perspective M Tuiwawa, D Mueller-Dombois	Special Session: Ciguatera fish poisoning in the Pacific, round-table M Skinner
0940-1000	Using biodiversity and culture to identify forest conservation priorities on Malaita Island, Solomon Islands EJM Pollard	Cyber security in the Pacific: Battling the dragon in the room S Tamanikawaiwaimaro	Growth performance of tilapia fingerlings (<i>Oreochromis niloticus</i>) offered different levels of copra meal with local ingredients as tilapia feed W Nano, J Poiye	Merging archaeology and the local community: Understanding preservation objectives SO Ngirmang, S Kloulubak	Remittance and the macroeconomy in the Pacific Island Countries P K Narayan et al	Seasonal prediction of climate extremes for the Pacific Y Kuleshov	Quantitative distribution of reef fishes in Thailand following a severe coral bleaching event M Sutthacheep et al		PABITRA (Samoa) 2003-13: A review of activities and options for moving forward N Tuivavalagi et al	
1000-1020	Raising the bar: recognizing the intricacies of Cultural and Ecological Knowledge (CEK) in natural resource management DF Orchardton	Mobile phones in rural PNG: A transformation in health communication and delivery services in Western Highlands province H Yamo	Distribution and susceptibility of Chinese Red Hibiscus to <i>Erineum</i> mite pest in Upolu and Savaii Islands, Samoa M Mua et al	"Vaka" and "Drua": Cultural sustainability and academic research dissemination V Hereniko	Ma Bhat - roles of foreign direct investment and tourism in the growth of Pacific Island Countries: A panel study: 1995-2011 TK Jayaraman, H Chen	Trends in mean and extreme rainfall and air temperature in the Western Pacific S McGree et al	Modeling sea-level surge during the impact of the cyclone Oli on the Island of Tubuai J Serafin et al		Resilience in Hawaii's rainforest under Global Change D Mueller-Dombois	

Morning tea. Poster session for Theme 1: Biodiversity, Ecosystem Services, and Resilient Societies (AusAID Lecture Theatres)

1100-1120	Irrigated ethnoagriculture, livelihood resilience and the Vitokoni ni Vuci Project T King	Challenges in ICT development in Samoa: Recommendations for the way forward ITVC Mow	Organic farming models: blueprint for the Pacific Islands Countries and Territories MM Alagcan, RC Joshi	Faaso: A Samoan perspective PM Fouvaa, SVA Temese	Does tourism predict macroeconomic performance in Pacific Island Countries? PK Narayan et al	Climatological evidence of climate change in Fiji R Kumar	Trophic structure of mesophotic coral reef fish assemblages of the Northwestern Hawaiian Islands R Kosaki et al	Special Session: Sustainable aquaculture S Waqairatu	Forest invasion by the African tulip tree in the Hawaiian Islands: Are seedlings shade-tolerant? C Daehler et al	Special Session: Ciguatera fish poisoning in the Pacific, round-table M Skinner
1120-1140	Parallel responses in the bees of the south western Pacific: Implications for early ecosystem development SVC Groom	A systems approach to urban health and wellbeing in the Asia-Pacific Region K Proust, N Hasan	An assessment of the resilience of agricultural systems in coral atolls: A case study of pulaka cultivation Tuvalu M Tekinene et al	Doulul in aj: Weaving empowerment into non-formal spaces BT Abraham	Tourism culture: the hospitality dimension D Harrison	Impacts of ENSO on rainfall and temperatures in Fiji – Evaluation of CCAM downscaling at 60 and 8 km resolutions V Devi	The Phoenix Islands Protected Area: A reference site for global change, resilience, and adaptation R Rotjan et al		Biodiversity Habitat Mapping In Fiji – Lessons Learnt from Recent PABITRA Surveys A Naikatini, HC Wendt	
1140-1200	Ectoparasite diversity and host-parasite associations of bats in Mount Makiling, Laguna, Philippines JDV Alvarez et al	Building bridges: Using ICT in ACTS A Anzeg, P Ryland	Tomato leafminer and its natural enemies: Diversity, abundance, and damage in sprayed and unsprayed fields, at Koronivia, Fiji RR Devi et al	Pacific Islanders in California: A linguist's reappraisal P Geraghty	Native Land Act and its impact on indigenous tourism in Fiji: Case study of the Yasawas S Sakai	Age-dating of reef boulder fields on Taveuni Island, Fiji for marine inundation history J Terry, S Etienne	Biodiversity of open-ocean fishes aggregated around FADs in French Polynesia N Loiseau et al		Bird assemblages in the mangroves of the Rewa River Delta, South-East Viti Levu, Fiji A Naikatini	

1200-1220	Release of cytoplasmic incompatible <i>Aedes polynesiensis</i> male mosquitos on Tetiaroa, French Polynesia LK Hapirai et al	Reaching the 'unreached': Bridging the geographical and cognitive gap using ICT A Kaur	Distribution, damage, and management of coconut stick insect pest in selected islands of Fiji AD Deesh et al	An energy consumption and conservation study of Pacific Island Hotels K. Prasad	Weed invasions and biodiversity hotspots L Kumar et al	Bridging resource management in Fiji through building community servicing networks S Meo	Assessing stream health in a watershed under different landuse patters using biological indicators B Rashni et al
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Lunch

Keynote Theme 2: Information and Communications Technologies (ICT) for Sustainable Development
Professor Abtar Kaur
 Venue: AusAID Lecture Theatres

Venue:	AusAID LT1	N111	S024	IS30	New FBE LT	Japan-Pacific ICT	AusAID LT2	SO25/26	AusAID PS	FSTE PG Sem Rm
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1420-1440	Effect of physical environment on population structure of Pe'eone crab Hippa Pacific Dana in exposed beaches of Hawaii M Lastra et al	Implementing open source software solutions for education in Fiji R Chandra	Fuzzy logic-based control algorithm for hybrid propulsion passenger boat MH Assaf, P Chand	Special Session: Education, Science, Teaching and Learning in the 21ST Century in the Pacific U Baba	Remittance and welfare in the case of Niue R Gounder	Standing on Common Ground: Gender and Climate Change Variability in Papua New Guinea A Faiteli	The exploration and exploitation of sea resources in disputed territories with particular focus on the South China Sea FPN Mitchell	Special Session: Natural Hazards and Sustainability S Kumar	Freshwater fishes of the PABITRA Landscape Transect in Fiji: fragility & resilience in an island context LKF Copeland et al	Special Session: Ciguatera fish poisoning in the Pacific, round-table M Skinner
1440-1500	New papaya disorder found in Fiji MF Lomavatu et al	SMS-based classroom assessments introduced at USP S Chand, B Sharma	Who shall inherit the mini grids? Examining business and ownership models for PV Hybrid Mini grids J Hazelton	Aoga Amata..e amata i fea, ae faaiu i fea? (Reconceptualising Aoga Amata, where do does it start, and where does it end)? F Tagoilelagi-Leota	Pacific Human Security: EU-Pacific partnerships in disaster risk management G Taylor	Impact of climate change on alpine vegetation in Taiwan CH Chou et al	Traditional management of fish behavior to increase yield in the South Pacific FAJ Hartley	Tracking of tropical cyclones in the South Pacific region using World-Wide Lightning Location Network A Kumar and S Kumar	Using species distribution models for conservation of the endangered Fijian Long-legged Warbler A Naikatini	
1500-1520	Study of a Marquesan traditional medicine plant NJ Martin et al	Exploration of mobile technology: Transforming learning and services in the Pacific Region B Sharma et al	Pacific biofuel: Setting up a biofuel testing reference laboratory in Fiji VV Lal, WGL Aalbersberg	A methodology to access program outcome and impact of program gap assessment G Singh et al	The interaction of actors in natural disaster management in the archipelago of Vanuatu A Vachette	<i>In Vivo</i> Salt tolerance of Giant Swamp Taro <i>Cyrtosperma merkusii</i> S Rao	Trends and prospects of KOSOPFF (Korea-South Pacific Fisheries Forum) HP Hong	The meteorite impact in the Pacific region and threat to human security MM Verma	Ensemble species distribution modelling of Coleoptera in Viti Levu, Fiji H Waqa-Sakiti et al	

Afternoon tea. Poster session for Theme 2: Information and Communications Technologies for Sustainable Development (Japan-Pacific ICT Centre Foyer)

1600-1620	Does sea urchin Echinometra mathaei provide microhabitats for some marine species? SNE Tutupoho, M Tsuchiya	Early warning system-innovative student monitoring in an eLearning environment B Sharma et al	Modernizing traditional biomass energy use in the outer-islands of the Pacific Island Region: A case-study of Vaitupu Island, Tuvalu SL Hemstock et al	Optimising Samoan oral proficiency: implications for teaching and learning MA Toloa et al	Assessing policy impact on the smallholder rice based cash crop production systems in Papua New Guinea N Kewa, P Manus	Climate Change and Weed Invasions S Taylor	Seaweed farming and its effects on the livelihood of people on Wagina T Tabe	Study of ULF electromagnetic precursors at Agra associated with earthquakes OP Singh et al	Preliminary checklist of bryophytes within the PABITRA Gateway site, Viti Levu, Fiji M Katafono et al	Special Session: Ciguatera fish poisoning in the Pacific, round-table M Skinner
1620-1640	The present status of giant clams on coral reefs in Thailand T Yeemin	Introduction of Tablet Learning in the Pacific Region R Kumar et al	The Magnus Effect and the Flettner Rotor: the potential application for future oceanic shipping P Nuttall	Interrogating indigenous knowledge in science classrooms: Enhancing achievement & Pacific cultures M Dakuidreketi, S Naisilisili	Pacific Island research and development: obstacles, challenges and opportunities NS Tuivalavagi, E Solofa, DC Seng	Species number of vascular plants in the biodiversity hotspots in the Pacific Rim and climate change S Venevsky, I Venevskaja	Fisheries management in Tarawa: An analysis of what is at stake and how to address VR Bidesi	Association of Total Electron Content (TEC) with earthquake M9 Tohoku event at the anomaly crest region on South America. VH Rios et al	The relationship between anthropogenic plants and old village sites M Tuiwawa, E Nakoro	
1640-1700	Very low numbers of endangered humpback whales moving through a historic migration route in the Fiji Islands: 2010-2012 C Miller et al	Connecting the Pacific Region using intelligent classrooms SI Azid, B Sharma	Solodamu: A survey of fuel and transport use in a coastal village on Kadavu, Fiji A Newell et al	Complexities in professional development for teachers in remote and rural terrains S Naisilisili et al	Some Australian initiatives to increase engagement between policy makers and scientists D Trewin	A pilot study on the impact of Climate Change on Fiji's cloud forest S Tuiwawa	Diversity, ethnobiology, conservation status and ecological roles of parrotfishes in a changing world – Case studies of Fiji and Tuvalu T Fong et al	Potential of adapting Fijian traditional housing for housing reconstruction A Fujieda, H Kobayashi	Conservation and management of the endemic Fijian Sago Palm (<i>Metroxylon vitiense</i>) N Thomas et al	
1700-1720	Mangroves of Tonga: baseline mapping and species diversity ST Lepa	ICT in education and e-learning in the South Pacific TU Jitoko	Sailing for sustainability; the potential of sail technology as an adaptation tool for Oceania C Philp et al			Understanding local adaptation and mitigation to climate change: Biodiversity management in Wakatobi Biosphere Reserve, Indonesia Y Purwanto, E Sukara	Adaptation in a Fishing Community in Fiji –towards a resilient community K Udagawa_ et al	Analysis of tropical cyclone track sinuosity in the South Pacific Region using ARCGIS P Malsale	Two frogs, one tale-species distribution modelling for Fiji's Platymantis T Osbourne	

Wednesday, 10th July

0820-0910

Keynote Theme 3: Food, Water, Energy and Health
Judith Ann Francis
 Venue: AusAID Lecture Theatres

Venue:
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0920-0940

Monitoring of red soil runoff along the Matafa'a Mangrove Conservation Area in Samoa <i>T Imo-Seuoti</i>	Edutainment for an Enhanced Learning Experience(ELE) <i>S Nusair et al</i>	The Pacific Ocean and her communities - Vaka Motu Project <i>S Evans</i>	Su'esu'e Manogi/ Vakasaqara na ka e boi vinaka: In search of 'parity' in the University of Auckland's tertiary landscape <i>T Baice, U Nawaqavanua</i>	Video presentation: Food security and sustainable diets: the big challenge for food policy <i>T Lang</i>	An integrated coastal management plan for Fiji through an integrated bottom-up and top-down approach – Ra Province case-study <i>LA Buliruarua et al</i>	Evaluation of Fiji's national tuna management compliance system <i>E Ledua et al</i>	Spatial analysis and assessment of urban growth and informal settlements in Honiara City, Solomon Islands <i>R Reuben</i>	Biogeography, ecology, spread and impact of <i>Bactrocerus</i> fruit flies on food and livelihood security and agrobiodiversity in the Pacific Region <i>F Khan, R Thaman</i>
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0940-1000

Regenerative competence of pseudobulb explants of endangered Orchid genera: a study in vitro <i>V Sharma</i>	The need for Online Mathematics Diagnostics Test (OMDT) at USP <i>R Kumar et al</i>	Traditional reef fish farming in Panamecho village of New Ireland - A sustainable fish farming method for food security <i>W Nano, TE Nano</i>	Towards a critical Samoan discourse analysis <i>A Galuvao</i>	Project planning in the Fijian government <i>O Zwikael et al</i>	Tuvalu and Climate Change: Building Island Resilience <i>A Resture</i>	Strategizing livelihood practices in the face of fisheries scarcity <i>P Fong et al</i>	Valuing Indigenous ways of knowing for disaster risk management in the Pacific <i>S Prasad</i>	Reversing an ecological collapse: Native habitat restoration and alien invasive plant control in Rapa Nui (Easter Island) <i>J-Y Meyer et al</i>
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1000-1020

Jari buttiya (Indian medicine) as a basis for health security in a rapidly urbanising Pacific: A case study <i>R Shah, R Thaman</i>	Development of agriculture students through ICT in Fiji <i>K Deeksha, HK Sachan</i>	Isolation and purification of algal secondary metabolites with potent anticancer activity <i>SE Motuhi et al</i>	The Savoir-Faire dictionary project: Revitalization through community education <i>M Walworth</i>	Mainstreaming rights and humanitarian action: European Union and the Pacific <i>K Vadura</i>	Ocean algal afforestation to address climate change issues in the Pacific Region <i>ADR N'Yeurt et al</i>	Linking ecosystem management and sustainable livelihood in Fiji's coastal communities <i>P Fong et al</i>	Loss and Damage associated with coastal hazards in Kosrae, Micronesia <i>S Abraham</i>	Living pollution: Are Invasive Alien Species (IAS) a greater threat to the Pacific Islands than Climate Change? <i>R Thaman</i>
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Morning tea. Poster session for Theme 3: Food, Water, Energy and Health (FBE Courtyard).

1100-1120

Mainstreaming of Gender concerns in Fiji's National Biodiversity Strategy and Action Plan (NBSAP) <i>R. A Chand</i>	Refresher Programme at USP <i>A Sharma et al</i>	Loto'i Tonga: A community development/health promotion model for Tongans living in urban areas <i>M Ofanoa</i>	Chasing the Micronesian American dream - giving and taking: Chuukese immigrant children experiences of schooling and community in Guam <i>UN-Baba et al</i>	Conflicting and competing discourses: the politics of land and development in post-conflict Cambodia <i>P Tat</i>	A comparative analysis of Kiribati and Tuvalu's climate change adaptation policies and governance <i>AA Chand</i>	Integrated coastal management: the only way to go for sustainable fisheries management in the Pacific Islands <i>J Veitayaki</i>	Climate-induced natural disaster, urban vulnerability and human security in the Pacific cities: Implications to flooding <i>M Mohanty</i>	Rebuilding of indigenous cohort stands after collapse in the Hawaiian rainforest <i>J Boehmer</i>
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1120-1140

Outdoor education is a vehicle for creating environmental sensitivity among students <i>J.Dorovolomo</i>	Supporting sustainable student learning at USP through the use of ePortfolios <i>S Singh et al</i>	Construction of optimum strata and determination of sample size in health survey <i>KG Reddy, MGM Khan</i>	Challenges and recommendations for 'visitors' teaching design in the developing world towards sustainable equitable futures <i>M Jann</i>	Mediation as a tool for economic development and local governance <i>C Jones, JA Kandakasi</i>	A grassroots perspective on raising a new secure, sustainable and climate resilient Pacific generation through the use of relevant climate science <i>V Wichman et al</i>	Economic valuation of coral reef ecosystems in the South Pacific, what are the expected impacts for decision-making? <i>N Pascal</i>	The 2010 Chile Maule earthquake: ecological legacies along the intertidal coast of the fracture zone <i>E Jaramillo</i>	Local knowledge facilitates rapid assessment of the conservation status of iconic tree species <i>G Keppel et al</i>
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1140-1200

Sustainable use of caves in Fiji: a case study from Volivoli Cave, SW Viti Levu Island <i>M Stephens</i>	Emerging ICT integration in Higher Education in the USP Region <i>A D Jokhan</i>	Guam Early Hearing Detection and Intervention (Guam EHD): Pacific Pioneers In the Identification of Hearing Loss in Infants <i>VA Sablan et al</i>	The learning styles of Micronesian students at the University of Guam <i>L Gamboa et al</i>	Australian policy towards Pacific labour mobility: why recent initiatives have fallen short, and what more is needed <i>S Howes</i>	A Test of Resilience: Cyclone Evan <i>DC Seng</i>	The threat of emergent coral diseases in the Pacific <i>JC Bythell</i>	Coral evidence for earthquake recurrence, an AD 773 cluster and a 700-year emergence history, Malekula Island, Vanuatu <i>MJ Harrison</i>	A PABITRA perspective summary <i>M Tuiwawa, D Mueller-Dombois</i>
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1200-1220

Crown-of-thorns starfish breaks down 23 years of resilience and induces regime shift in a coral fish assemblage <i>T Lamy</i>			Rating the MBA program at the graduate school of business and employer satisfactions <i>S Ahmed et al</i>	Overseeing and overlooking: Australia's shifting engagement with the Pacific islands <i>J Schultz</i>	Adapting to climate change through a "science-religion" approach <i>NS Tuivavalagi</i>		Developing a technique for categorizing tropical cyclone tracks in the South Pacific <i>MGM Khan et al</i>	
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Lunch

1320-1410

Keynote Theme 4: Society, Culture and Gender
Mr Walter Ecohawk
 Venue: AusAID Lecture Theatres

Venue:
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AusAID LT1 **N111** **S024** **IS30** **New FBE LT** **Japan-Pacific ICT** **AusAID LT2** **SO25/26** **AusAID PS** **FSTE PG Sem Rm**
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1420-1440	Preliminary analysis on the termiticidal activity of <i>Allamanda cathartica</i> L. leaf extracts F B V Cadavis, F R M Ladio	Webinar: Connecting biodiversity collections in the Pacific: digitization through DNA barcoding and informatics D Schindel, B Mantle		Security challenges and prospects for effective government in Solomon Islands GL Nanau	Is gender a missing component for resource management? A case study of Vanuatu R Singh	Special Session: Building resilience through Locally Managed Marine Areas (LMMAs) S Jupiter, W Tan		Special Session: Biodiversity in Melanesia A Allison, SA James	Symposium: Oceans and Nations: Failed States and the Environment in the Pacific M Prasad
1440-1500	Human health security and climate change: investigation of the therapeutic compounds from marine sponge-associated fungi P Maharaj			The 2012 National Elections: Electoral Process & Electoral Administration in Central Bougainville S Menu	Framework and tool for incorporating reef resilience into management S Mangubhai	A case study of village-based resource management efforts building a foundation for resilience in the Padaido Islands, Indonesia C Marles		Protected Herbivores Can Prevent Phase Shifts and Strengthen Reef Resiliency F Nainoca	
1500-1520	Genetic diversity of the endangered giant clam <i>Tridacna maxima</i> and its symbiodinium in French Polynesia V Dubousquet et al			Infertainment N Gopalakrishan		Weathering the storm: A case study on increasing recovery of coral reef resources in Pohnpei, Micronesia E Joseph, J Anson		Sensory properties highlight <i>V. xahitensis</i> biodiversity P Raharivelomanana et al	
Afternoon tea. Poster Session for Theme 4: Culture and Gender (FBE Courtyard)									
1600-1620	Gonad transcriptome analysis of pearl oyster <i>P.margaritifera</i> : sex and stage specific genes T Vaihiti	Webinar: Connecting biodiversity collections in the Pacific: digitization through DNA barcoding and informatics, contd. D Schindel, B Mantle	Special Session: Coastal zone management in island states Y Lu	Special Session: Women, Science and Human Security N Lewis, Y Inoue-Smith	Governance transformations as an outcome of fisheries adaptive co-management; Torres Strait and Fiji A Tawake et al		Protected Herbivores Can Prevent Phase Shifts and Strengthen Reef Resiliency F Nainoca et al	Panel Discussion: Introduction to ECOPAS and its focus on the human dimension of climate change in the Pacific J Veitayaki, E Holland, V Hereniko, N Bingeding, P Rudiak-Gould, C Toren, T Henri T Manuella	Larval host plants and nectar plants preferred by endemic <i>Papilio schmeltzi</i> V Chandra et al
1620-1640	Symbiodinium clade dynamics in corals of Moorea (French Polynesia): what's new about Clade D? H. Rouzé		Managing mangroves in the Solomon Islands through the bottom-up approach H Tafea	Assessment of gender equality in the knowledge society Case of Indonesia W Hermawati	Oil price shocks and effectiveness of devaluation in Fiji K Prakash		Spatial planning tools for Conservation HK Wendt et al		Mangroves of Vanuatu: A synthesis of surveys on species diversity and spatial distribution R Baereleo
1640-1700	Hybridization can alter the outcomes of climate change P Lockhart et al		Emerging industry development and emissions of emerging pollutants in the Bohai coastal region of China Y Lu et al	The effect of gender inequality on inclusive growth-case study B Prasad et al	Distribution of mining benefits and urban planning in Northern New Caledonia – a sustainable development? M Kowasch		PNG National Learning and Training Network: promoting good practice, sustainability, and resilience in marine areas H Rei		<i>Mucuna (Mucuna cochinchinensis)</i> seed biology study in Viti Levu, Fiji AR Macanawai
1700-1720			Temporal sediment dynamics in small undisturbed forested watersheds on tropical islands: a baseline case study from Viti Levu, Fiji AR Ram, JP Terry		Effectiveness of energy policies in PICs: A survey of policies and economic analyses of renewable energy options R Lal		How can "local management" go to national scale?: the role of government H Govan		Ethno mycological survey and biological activities of mushroom extracts against <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> . JK Nema et al
1800-2000								Side-event: Locally Managed Marine Area (LMMA) network Tok Story Fiji LMMA network	

Thursday, 11th July

0820-0910	Keynote Theme 5: Governance, Economic Development and Public Policy <i>Professor Hurriyet Babacan</i> Venue: AusAID Lecture Theatres
0915-1005	Keynote Theme 6: Climate Change and Impacts <i>Professor Elisabeth Holland</i> Venue: AusAID Lecture Theatres

Morning tea. Poster Sessions for Theme 5: Governance, Economic Development and Public Policy (FBE Courtyard) and Theme 6: Climate Change (Japan-Pacific ICT Centre foyer)

Venue:	AusAID LT1	N111	S024	IS30	New FBE LT	Japan-Pacific ICT	AusAID LT2	S025/26	AusAID PS	FSTE PG Sem Rm
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Map Loc:	4	10	12	12	12	6	4	12	4	20
1100-1120	Special Session: Risk management and sustainable use of biodiversity and ecosystem service in coastal ecosystems <i>S Saitoh, M Kaeriyama</i>	Webinar: Connecting biodiversity collections in the Pacific: digitization through DNA barcoding and informatics, contd. <i>D Schindel, B Mantle</i>	Adaptation process of a fishing community in Fiji – towards a resilient community <i>K Udagawa</i>	The adjustment level of rural adolescent students according to their socio-economic status in India: A field study <i>S Mandal</i>	Does Trade in PICs Reduce Poverty? <i>S Kumar</i>	Workshop: Sustainably Transforming Learning and Teaching through ICTs <i>D Grewal, I Thomson, S Raturi, A Kedrayate</i>	Soft, hard and holistic approaches in reducing the negative impacts and risk of natural disasters in LMMA and non-LMMA communities in Fiji <i>I Korovulavula</i>	Special Session: Climate Change and health in the Pacific <i>L Mclver, J Naicker</i>	Potential suitability analysis of forest invasive species: piper aduncum in New Ireland province, PNG using maximum entropy model and GIS techniques <i>F Alei</i>	Symposium: Oceans and Nations: Failed States and the Environment in the Pacific <i>M Prasad</i>
1120-1140	Risks of shipping in the Pacific Islands <i>E Anderson, B Judson</i>		Articulating sustainable development in Gau Island, Fiji: a community-based initiative <i>J Veitayaki</i>	Gender equity: Women in academia <i>M Shah, S Kubuabola</i>	Earnings, employers and caste: An evaluation of caste/ethnic wage differentials in the Nepalese labour market <i>S Jafarey et al</i>		Detecting the impacts of periodic harvests: A comparison of three common sampling techniques <i>J Goetze</i>	Strengthening health systems as a means of health adaptation to Climate Change- Experiences from the PCCAPHH Fiji project <i>J Naicker et al</i>	Ethnomycological leads to bioactive myco-chemicals in mushrooms from Papua New Guinea <i>SW Wossa, RA Barrow</i>	
1140-1200	Development and application of Tohoku coastal Web-GIS for supporting recoveries of the Tohoku Earthquake <i>S Saitoh</i>		Land + Gender Equity = \$ + Self sufficiency + Harmony + Security <i>K Sumeo</i>	Governance, Human Security and Public Finance in the Pacific <i>H Nakagawa</i>	Sustaining small-scale fisheries with periodically-harvested closures <i>P Cohen et el</i>		Technology dependence, Climate Change and health <i>K Proust</i>	Seasonal abundances of <i>Bactrocera passiflorae</i> (Froggatt), <i>B. xanthodes</i> (Broun) and <i>B. distincta</i> (Malloch) on Viti Levu <i>L Leweniqila et al</i>		
1200-1220	Using spatial prioritization tools to strengthen terrestrial conservation and management in Fiji <i>G Wainiqolo et al</i>		The decline of the male breadwinner: Changing gender Relations in Fiji <i>P Chatterier</i>		Results of Basic Management Effectiveness Assessments Across the FLMMA Network <i>R Vave</i>		Managing the health impacts of climate change in the South Pacific: from awareness to action <i>L Mclver</i>	Mangrove biodiversity survey of Maramasike Passage, Malaita Province, Solomon Islands <i>H Tafea et al</i>		

Lunch

1320-1410 **Keynote Theme 7: Oceans**
Professor Richard Kenchington
Venue: AusAID Lecture Theatres

Venue:	AusAID LT1	N111	S024	IS30	New FBE LT	Japan-Pacific ICT	AusAID LT2	SO25/26	AusAID PS	FSTE PG Sem Rm
Map Loc:	4	10	12	12	12	6	4	12	4	20
1420-1440	Geographical distribution and genetic evolution of dengue viruses in the South Pacific <i>M Aubry et al</i>	Workshop: Ecological Climate Diagrams <i>D Mueller-Dombois</i>	Vocational motivation and career consciousness among young women in Japan <i>Y Smith</i>	Panel Discussion: Governance and Delivery of Primary Education in Fiji, Kiribati, Samoa and Solomon Islands: Initial Learnings from the Field <i>G Nanau, V Naidu, A Chantung, T Taoaba, H Nakagawa, D Ruru</i>	Workshop: Sustainably Transforming Learning and Teaching through ICTs <i>D Grewal, I Thomson, S Raturi, A Kedrayate</i>	Netweavers in Conservation Learning Networks <i>B Goldstein</i>	Climate change adaptation to protect human health in Fiji: health promotion and advocacy perspectives <i>M Kepa et al</i>	Ethnomycological documentation and antibacterial properties of wild mushrooms of Western Highlands, PNG <i>J Anae</i>	Symposium: Oceans and Nations: Failed States and the Environment in the Pacific <i>M Prasad</i>	
1440-1500	The land snail fauna of Rotuma & Cicia Islands (Fiji): conservation and biosecurity imperatives <i>G Brodie</i>		Women in Pacific Islands parliaments: Examining their impact on decision-making <i>A Liki-ChanTung, R Maetala</i>			Effectiveness of Fiji LMMAs for livelihood benefits. <i>A Tawake</i>	Floods, faeces & fishes: Managing island watersheds for sustainability and public health outcomes <i>A Jenkins et al</i>	A soil seed bank study to investigate the impact of African tulip tree infestation in the high rainfall region of Viti Levu, Fiji <i>R Lagi et al</i>		
1500-1520	A regional biosecurity plan for northern Micronesia and the U.S. State of Hawaii <i>J Stanford, M Seniloli</i>		Polygamy in Enga Province and PNG and its effect on women <i>B Tommbe</i>			Building Torres Strait Islands' resilience by empowering Island communities and stewardship <i>K Bedford et al</i>	Health impacts of climate change in the Pacific: vulnerabilities and adaptation priorities in PICs <i>L Mclver</i>	The diversity and community structure of macro-moths in native and exotic forest on Viti Levu, Fiji <i>S Tikoca et al</i>		
1600-1620	Sustainability and risk management of chum salmon under changing climate and catastrophic earthquake and tsunami around Japan <i>M Kaeriyama</i>		Gender parity and their relation to Climate Change <i>N Bilimoria</i>			Fostering the foundations of resilience: challenges and responses in the management of Helen Reef, Palau <i>W Andrew, R Victor</i>	Dengue and climate change: Exploring the relationships and risks in Fiji <i>K Oli</i>	Flora of the Rewa River Mangrove, Viti Levu, Fiji Islands <i>S Tuwawa et al</i>		

Afternoon tea. Poster Session for Theme 7: Oceans (AusAID Lecure Theatres)

1620-1640	Analysing and modelling social-ecological system using a transdisciplinary framework: a case study P Leenhardt, J Claudet	workshop: Pacific Solution Exchange (PSE): 30-minute 'information and interactive planning' session J Berrell et al	Workshop: Sustainably Transforming Learning and Teaching through ICTs Contd. D Grewal, I Thomson, S Raturi, A Kedrayate	Explicitly incorporating socioeconomic criteria and data into marine spatial planning L Rumetna et al	Climate change and conflict in the tropical Pacific: the record from Volivoli Cave, Fiji M Stephens et al	Isolation of potential insect biocontrol agents from Fiji soils S Kour, UR Khurma
1640-1700	Conservation planning for connectivity: aligning social and ecological scales to improve management outcomes R Weeks			Building resilience in coastal communities and LMMAs: harmonizing disaster risk reduction and climate change JT Cleofe	Climate Change and health in the Pacific: round-up discussion L McIver, J Naicker	Observations on invasive common Indian Mynah (<i>Acridotheres tristis</i>): what do they eat? A Prasad, K Christi
1700-1720	Developing science literacy in the local contexts for a sustainable society of the future N Mima			Locally Managed Marine Areas: How Well Are We Doing and What Do We Still Need to Learn? S Jupiter		
1900 Final Conference Dinner, Novotel, Lami						

Friday 12 July

0900-1100	PSA Closing Ceremony N Lewis, J Bythell, J Vanualailai, W Aalbersberg Japan-Pacific ICT Centre					
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