

Biographical information

Workshop 1: Climate change in relation to Water in the Pacific

Etienne Coyette

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Dr. Katherine Daniell

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Dr. M. John Gardner

Professional profile:

I am a social psychologist within Australia's Commonwealth Scientific and Industrial Research Organisation (CSIRO), working in the areas of energy technology, climate change mitigation and climate adaptation. I'm involved in a range of projects in these fields, investigating the factors that motivate the responses of individuals, communities and businesses to issues of climate change and alternative energy technologies. Much of this research involves large-scale surveys, interviews and focus groups, as well as experimental evaluations of intervention programs, and examines the role of individual and social factors on behaviour change, carbon footprints, uptake of new technology, and preparation for climate change impacts. I have a combined Masters/PhD in social/organisational psychology. I have previously worked as an academic at the University of Queensland and as a research consultant to public- and private-sector organisations.



Research, innovation, capacity development and other collaboration interests:

My current research foci are: i) behavioural and policy interventions related to the management of domestic water consumption, and ii) tracking and predicting the extent of climate adaptation planning in Australian public- and private-sector organisations.

Relevant publications:

Gardner, J, et al. (2011). Social Study on Attitudes, Drivers and Barriers to the Uptake of Electric Vehicles. CSIRO, Australia. Gardner, J., et al. (2010). Developing national indicators of climate change adaptive capacity. Report for Australian Government DCCEE, CSIRO, Australia. Gardner, J., et al. (2008). Exploring the acceptance of a domestic distributed energy market in Australia. Aust J of Env Management, 15 (June): 93-103.

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Makelesi Gonelevu**Professional profile:**

Bachelor of Science Degree (University of the South Pacific), 1999, Suva, Fiji Masters in Information Technology (University of Southern Queensland), Queensland, Australia, 2010

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**Dr. Karen Hussey****Professional profile:**

I am a political scientist and economist with extensive experience in research around climate adaptation, water policy and the policy and institutional arrangements for sustainability. I have a PhD in Political Science (title: the EU as an international environmental leader), a Masters of Economics, and a B.A (Economics and Politics). Board member, UNESCO Chair in Water Economics and Transboundary Water Management, at The Australian National University Achievements: • Invited Expert Evaluator, Marsden Fund, Royal Society of New Zealand • Invited Expert Evaluator, European Union 7th Framework Programme, Theme: Environment (including climate change). • Invited Expert Evaluator, Marie Curie International Research Staff Exchange Scheme, European Union 7th Framework Programme • Committee member, ANU University Research Committee. Chair: Deputy Vice Chancellor-Research. • Steering Committee member, 2012 International Water Association Annual Congress on the 'Energy-Water Nexus', Dublin. • Book reviewer, Cambridge University Press • Associate, Centre for Water Economics and Environmental Policy, Crawford School of Economics and Government, ANU. • Associate, Sustainable Environment Group Consulting Firm. Details: <http://www.segroup.net.au/>

**Research, innovation, capacity development and other collaboration interests:**

Manage \$1.3m research projects on governance & institutional arrangements for climate adaptation. As Co-Chair of the ANU Water Initiative I am responsible for coordinating the water-related research and education activities of the ANU. Board Member of UNESCO Chair in Water Economics and Transboundary Governance, & Programme Director for the ANU-United States Studies Centre project 'Climate, Energy & Water: Accounting for & Managing the Links'.

Relevant publications:

Hussey, K. & J. Pittock & S. Dovers (forthcoming). Climate, Energy and Water: Managing a Holy Trinity. CUP Grafton&Hussey(eds)2011Water Resources Planning

and Management CUP Hussey&Dovers(eds)2007Managing Water for Australia: the social and institutional challenges, CSIRO Publishing Hussey 2011 "Water Security", Encyclopaedia of Sustainability, V3: The Law and Politics of Sustainability Berkshire Publishing

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Prof. Maria Manez

Professional profile:

Diplom in Physical Geography. Doctoral degree in Agricultural Economics.

Research, innovation, capacity development and other collaboration interests:

- investigate the need of society for advice regarding questions related to the climate - be a link between climate-researchers and climate-advisors in Germany - integrate research data on the climate-induced migration and preparing this for the needs of clients - provide this information to customers via products, which are sector-specific and tailored to suit client needs - coordination of feedback from practitioners to scientists

Relevant publications:

Máñez Costa, M. and Scheffran, J. (2011): Die Flucht von Klimawandel Máñez Costa, M, Moors, E. and E. Fraser (2011): Socio-economic settings and climate change: Which is driving vulnerability in southern Portugal? Ecology and Society 16(1): 28 Máñez Costa, M (2011) A participatory framework for conservation payments. Land Use 28 (2) 423-433

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Dr. Pascal Pagand

Professional profile:

Docteur de l'Université de Montpellier I Formation doctorale : Hydrologie (Sciences de l'eau et aménagement)

Research, innovation, capacity development and other collaboration interests:

Valorization of organic waste from waste water treatment plant for vegetalization of degraded mine sites. Collaboration with

Relevant publications:

Pagand, P., Blancheton, J.P. et Casellas, C., 2000. A model for predicting the quantities of dissolved inorganic nitrogen released in effluents from a sea bass... Aquaculture Engineering 22 : 137-153. Pagand, P., Blancheton, JP., Lemoalle, J. et Casellas, C. 2000. Use of high rate algal ponds for the treatment of marine effluent... Aquaculture research 31 : 729-736 Metaxa, P. Deviller, G. Pagand, P. Alliaume, C. Casellas, C., Blancheton J.P. 2006

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Rhonda Robinson

Professional profile:

Graduated from the University of the South Pacific with a Bachelor of Science Degree in 1998 majoring in Biology and Chemistry and worked for SOPAC from 1998-2004 as the Water Sanitation and Hygiene Officer. Went on to further studies from 2005 - 2006 graduating with a Master of Diplomacy and Environmental Management and Development from the Australian National University and



rejoined SOPAC in July 2006 as the Coordinator for Integrated Water Resource Management (IWRM) Planning Programme. In 2011 I have since been appointed to the role of Deputy Director of the WSP and will be in this role for the next 3 years.

Research, innovation, capacity development and other collaboration interests:

All areas relating to water and sanitation in the Pacific Island context.

Contact:

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Prof. Karl-Ulrich Rudolph

Professional profile:

Professor Dr. Dr. Karl-Ulrich Rudolph is double educated in water engineering and environmental economics. Before joining the Private University of Witten/Herdecke, Germany, as director of the IEEM (Institute of Environmental Engineering and Management), and becoming the CEO of the CEEM (Prof. Dr. Dr. Rudolph GmbH, Consultants for Environmental Engineering and Management), he worked for the operations of GfA, a large sewage treatment plant company, as member of the Deutsche Bank Advisory Board, and as Supervisory Board Member for the Berlin Water Works. In 2008, he was awarded as Guest Professor at the NEU - National Economic University in Hanoi. Since 12/2009, he is Co-ordinator of the UNW-DPC working group on "Capacity Building in Water Efficiency". Since 12/2010, he is Evaluation Expert to the European Commission, Research Framework Programme 7 (Environment Theme). In the Republic of South Africa (RSA), he leads the research project about Integrated Water Resources Management (IWRM) focusing the Olifants river basin, which is funded by BMBF (the German Research Ministry) and WRC (the Water Research Commission RSA), and which is including innovative management options, like Franchise. The Franchise concept of IEEM has won the Global Contest at the World Bank 2006 and



received additional funding for pilot implementation in RSA. Since 2009, the GWFA - Global Water Franchise Agency is exploiting these outcomes from the BMBF-funded research, world-wide.

Research, innovation, capacity development and other collaboration interests:

Water research, esp. lean cost technologies for wastewater treatment with nexus to energy efficiency

Relevant publications:

www.uni-wh-utm.de/html/en/publikationen.html

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Prof Dr Dr K-U Rudolph Institute of Environmental Engineering and Management Alfred-Herrhausen-Str 44 58455 Witten, Germany Phone: +492302914010 E-Mail: mail@uni-wh-utm.de www.uni-wh-utm.de

Dr. Kathleen Schwerdtner Mánez

Professional profile:

Studied landscape ecology and conservation in Greifswald/Germany, obtained a PhD in agricultural economics at the Martin Luther University Halle in cooperation with the Helmholtz Center for Environmental Research (UFZ) in Leipzig (2008). Between 2008 and 2011, work as post-doctoral researcher in social-ecological systems group at the Leibniz Center for Tropical Marine Ecology (ZMT) in Bremen on environmental changes and resource use in coastal and marine areas of Indonesia. Currently research associate at the ZMT working on resource use and water scarcity. Since 2010 member of the scientific steering committee of the History of Marine Animal Populations (HMAP) project. Associated researcher with the Asia Research Center of Murdoch University, Perth since 2010.



Research, innovation, capacity development and other collaboration interests:

Interested in perceptions of water scarcity and history of marine resource use on small islands in the Pacific

Relevant publications:

Schwerdtner Máñez K, Husain S, Ferse SCA, Máñez Costa M (in review) Water scarcity in the Spermonde Archipelago, Sulawesi, Indonesia: past, present and future. Environmental Science and Policy Schwerdtner Máñez K, Glaser M, Ferse S, Wiederhold H, Sulzbacher H (2011) Danger from below. Groundwater protection on small islands - its importance must not be underestimated. In: Water: beware! Zwischenruf der Leibniz Gemeinschaft 1/2011: 42-46

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Jean Francois Vernoux

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Samson VILVIL-FARE

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Vanuatu Embassy Avenue de Tervueren, 380 Chemin de Ronde Bruxelles B. 1150 Belgium



Dr. Geoffroy Wotling

Professional profile:

PhD in Hydrology (Geosciences, UMII Montpellier) WMO hydrological Adviser for New Caledonia, Qualification in field hydrology, rainfall-runoff-erosion modelling, surface and ground water monitoring, statistics, geosciences, environmental sciences



Research, innovation, capacity development and other collaboration interests:

Hydrology, geosciences

Relevant publications:

Terry, Wotling 2011. Rain-shadow hydrology New Caledonia. J. Hydrol. Wotling G, Bouvier C. 2002, Impact of urbanization on suspended sediment and organic matter fluxes from small catchments in Tahiti Hydrol. Process. Wotling, et al. 2000. Regionalization of extreme precipitation distribution using the principal components of the topographical environment. J. Hydrol.

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