

Capturing Coral Reef & Related Ecosystem Services (CCRES)

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Edition 02 | July 2014



CCRES Project Director Melanie King. (Picture: K. Sampson)

Teamwork, expertise, commitment are what counts

Hello, everyone.

It's now full steam ahead for the Capturing Coral Reef and Related Ecosystem Services (CCRES) project with activities starting in the Philippines and our efforts focusing on project design in Indonesia.

We have just returned from a successful visit to both countries.

For Indonesia, the visit was about establishing a collaboration with COREMAP-CTI and deciding how we will work together, as well as to 'short-list' the pilot site(s) in the archipelago.

For the joint activities, COREMAP is keen to utilise the expertise and outputs from CCRES for their work on the formulation of zoning plans, economic development and sustainable enterprise, and economic calculation of ecosystem services and the benefits to the community.

In Manila, due to the tireless efforts of our team at the University of the Philippines Marine Science Institute, we had an amazing launch of the project in the Philippines. More than 60 people, representing national, provincial and municipal institutions, attended a memorable ceremony.

What has excited me is the level of commitment, knowledge and expertise in both countries as they grapple with the complexity of managing coastal resources during a time of constant change.

Salamat dating, Maligayang pagdating (Welcome) to this edition of the CCRES newsletter.

We look forward to hearing from you!

[Melanie King](#)

Project Director



You won't see this every day

We're told it's not often you will find every member of the Coral Reef Rehabilitation and Management Program - Coral Triangle Initiative ([COREMAP-CTI](#)) team in the same place at the same time.

Yet, that's what happened during our mission to Indonesia.

The venue was the Meeting Room of the Direktorat General of Marine, Coastal and Small Islands at the Ministry of Marine Affairs and Fisheries on the 11th floor of the Mina Bahari III Building in Jakarta.

COREMAP-CTI supports coastal communities take a viable, decentralised and integrated approach to the sustainable management of coral reef resources, associated eco systems and biodiversity.

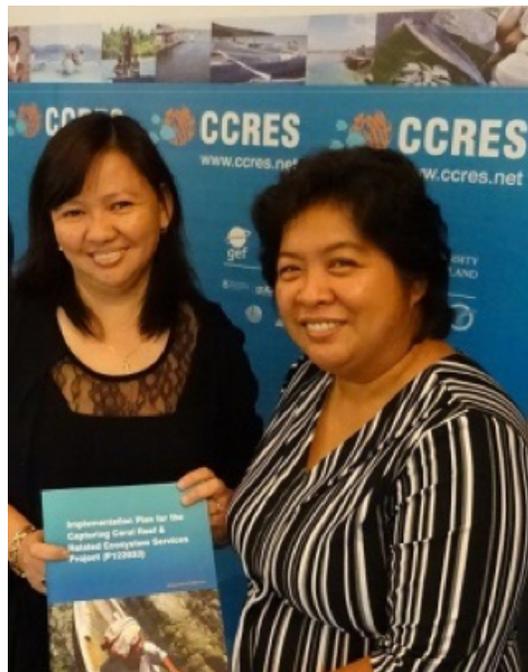
It's official: we're in the Philippines

The University of the Philippines (UP), together with The University of Queensland (UQ) has [launched](#) the CCRES Project in the Philippines.

“Unlocking the economic and social value of coastal ecosystems gives an incentive

to local communities, businesses, investors and policy-makers to preserve them (and their services) for future generations,” says the Director of the UP Marine Science Institute, Dr. Annette Juinio-Meñez.

The [pilot site](#) in the Philippines is the municipality of El Nido in northern Palawan. The site’s outputs will be implemented and disseminated across the East Asia-Pacific region and globally.



DENR Undersecretary Analiza Teh joins CCRES Philippines Coordinator Milidel Quibilan at the launch.
(Picture: M. Paterson)

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C'est la vie: CCRES Chief Scientist Peter Mumby.

Meet our Chief Scientist: Peter Mumby

There are few Englishmen who can master a French accent better than Peter Mumby.

In addition to an ear for language, Peter has a talent for being able to use remotely-sensed data to scale-up ecological models so they are spatially-realistic and can inform conservation decisions directly.

Peter has developed mechanistic ecological models of coral reefs that integrate reef dynamics, conservation actions and disturbance (including climate change). These models have provided insight into the consequences of conserving herbivorous fishes, reducing nutrient run-off, conserving mangroves and restoring urchin populations. His research has directly influenced conservation policy.

Professor Peter Mumby is the Chief Scientist for the CCRES Project and leads the [group](#) quantifying the value and market potential of coral reef and mangrove ecosystem services.

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What we like

Just how much are coral reefs worth? The launch of the CCRES project in the Philippines generated several media reports. This [article](#) by Macy Anonuevo is one of our favourites!

Picture: Andy Hooten

Where will we work in Indonesia?

A short-list of prospective pilot sites in Indonesia has been created, following a series of COREMAP-CTI and World Bank Mission meetings with stakeholders in Jakarta this month.

The two potential sites are Selayar and Pangkep in southwest Sulawesi. It was agreed CCRES will collaborate with the COREMAP team at the chosen site, so COREMAP can replicate the use of our knowledge products and technical tools and models across their other sites.

The [visit](#) by the CCRES team was hosted by the World Bank Indonesia and the Indonesian Government's Ministry of Marine Affairs and Fisheries (MMAF) and Indonesian Institute of Sciences (LIPI).



Melanie King, Ibu Ina Binari Pranoto, World Bank Indonesia; Pak Agus Dermawan, Director of the Directorate for Conservation of Areas and Fish species (KKJI); Pak Firdaus Agung, MMAF; and Pak Zainal Arifin, LIPI. (Picture: M. Paterson)

We welcome our Philippines partners

CCRES is proud to announce our six [project partners](#) from the Philippines:

- the University of Philippines Marine Science Institute (UPMSI);
- the Department of Environment and Natural Resources (DENR), through the Biodiversity Management Bureau;
- the Palawan Council for Sustainable Development (PCSD);
- the El Nido Local Government Unit (LGU);
- the El Nido Foundation (ENF); and
- the Palawan State University (PSU).

These in-country partners were presented with indigenous Australian message sticks by the executing agency, the [UQ Global Change Institute](#), during a *Coming Together* ceremony in Manila.



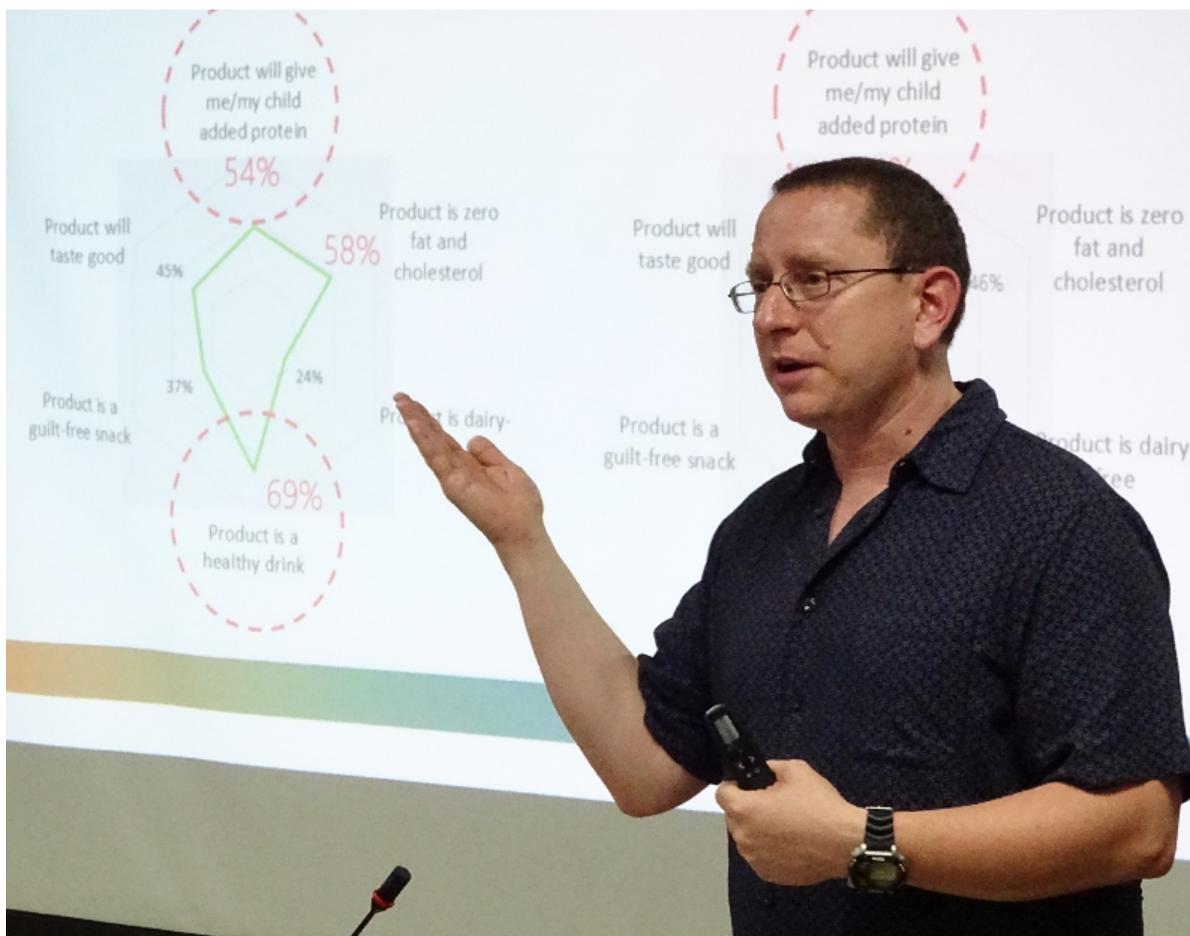
Nelson Devandera, PCSD; Anthony Charlemagne Yu, ENF; Dr. Annette Juinio-Meñez, UPMSI; Michael Pido, PSU; Melanie King, UQGCI; Mundita Lim, DENR; and Raffy Cabate, El Nido LGU. (Picture: K. Sampson)



Did you know?

Indonesia's coastline is home to 22.6% of the world's mangroves and 300,000 square kilometres of seagrass meadows (Source: Blue Carbon Centre)

(Picture: G. Sheehan)



Cornell's Mark Milstein talks sustainable business planning at the [COREMAP](#)-CTI workshop in Jakarta. (Picture: M. Paterson)

Meet the team: Mark Milstein

Mark Milstein has a confession. He loves karaoke. So, it's not surprising he bought a karaoke machine during this month's visit to the home of karaoke, the Philippines.

When not flexing his vocal chords Mark is leading the CCRES [team](#) exploring how to generate robust local economies that capture and sustain marine ecosystem services.

Mark likes to frame the world's social and environmental challenges as unmet market needs which can be addressed through business innovation and entrepreneurship. He believes the private sector can achieve financial success by creatively addressing problems, such as climate change, ecosystem degradation and poverty.

Dr. Milstein is Clinical Professor of Management and director of the [Center for Sustainable Global Enterprise](#) the Samuel Curtis Johnson Graduate School of Management at Cornell University.

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A meeting of 'like-minds' in Manila

The first meeting of the CCRES Advisory Board, comprising global, regional and national representatives from funding, partner and stakeholder organisations, took place in Manila.

The members of the CCRES Advisory Board are:

- Harideep Singh, Task Team Leader, World Bank, Washington DC;
- Dr Firdaus Agung, Ministry for Marine Affairs and Fisheries – Indonesia, COREMAP;
- Dr Zainal Arifin, Executive Director, Indonesian Institute of Sciences (LIPI), Indonesian Government;
- Undersecretary Analiza Teh, Department of Environment and Natural Resources (DENR), Philippines Government;
- Carol Figueroa, Task Team Leader - World Bank, PRPD;
- Adrian Ross, Executive Director, Partnerships in Environmental Management for the Seas of East Asia (PEMSEA); and
- Dr Stefanie Sieber, Maya Villaluz (proxy), Wealth Accounting and the Valuation of Ecosystem Services (WAVES)
- Professor Andrew Griffiths, Dean of the UQ Business School, The University of Queensland (UQ);

This month's inaugural meeting was chaired by Emeritus Professor Edgardo Gomez, from the University of the Philippines Marine Science Institute ([UPMSI](#)), Manila.



Dr Carl Smith, UQ; Carolina Figueroa-Geron, Mark Milstein, Cornell; Renato Cardinal, PEMSEA; Harideep Singh, Melanie King, UQGCI; Analiza Teh, DENR; Ed Gomez, Mags Quibilan, UPMSI; Kristen Sampson, UQGCI; Vincent V. Hiloman, DENR Biodiversity Management Bureau; Mark Paterson, Currie Communications.



Where we will be

Makassar, Selayar and Pangkep, southwest Sulawesi, Indonesia, 13-22 August, 2014: for a visit to our potential pilot site(s) in Indonesia. An Inception Workshop will be staged at the chosen site in December 2014.

Meet the team: our PhDs, post-docs

Ecosystem valuation, systems analysis and modelling, oceanography and community resilience are strengths in the PhDs and post-docs who joined the CCRES project this month.

- Dr **Alice Rogers**, working with CCRES Chief Scientist Prof. Peter Mumby, UQ, as his postdoctoral fellow working on assigning values to the services provided by coral reefs and other coastal ecosystems in the S.E. Asia region and informing management decisions to maximize sustainable service provision.
- Dr **Russell Richards** will be joining Dr Carl Smith, from the UQ School of Agricultural and Food Sciences, to work as a postdoctoral fellow on the systems analysis and modelling
- Ms **Lei Solera** is a PhD student with Cesar Villanoy at the UP Marine Science Institute, on oceanography
- Mr **Siham Afatta** is a PhD student at UQ who is a student of UQGCI director Prof. Ove Hoegh-Guldberg and Dr Carl Smith. His work is assessing the sustainability and resilience of alternative livelihoods within an Indonesian marine social-ecological system

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The Capturing Coral Reef and Related Ecosystem Services (CCRES) Project is a regional technical support project that seeks to unlock new, sustainable income streams for coastal communities in the East Asia-Pacific region. CCRES will develop knowledge products - which inform the design of global, regional and national projects, plans and policies - and technical models and planning tools which assist with preparation of community-based coastal resource management plans.



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