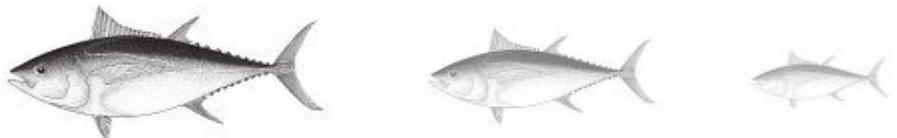


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Editorial



Bula and welcome to our first biannual issue since the PIMRIS Steering Committee decided to reduce newsletter issues from four to two per year. We know the impact of technology worldwide and how news and information are rapidly transmitted via mobile phones, computers (internet) etc. to and from everywhere including social media. Future issues of this newsletter will now focus on current events and important issues in the fisheries/marine area as well as updates on library/information services from and around the Pacific Islands region.

'Healthy Oceans, Healthy Planet' was the theme for World Oceans Day celebrated on 8 June 2015. According to the United Nations website (<http://www.un.org/en/events/oceansday/>), this day is celebrated 'to develop a worldwide movement of citizen towards the ocean and remind everyone of the major part the ocean has in everyday life, as lungs of our planet, providing most of the oxygen we breathe. For most Pacific Island people, the ocean and coastal areas is the source of food, income and part of our way of life.

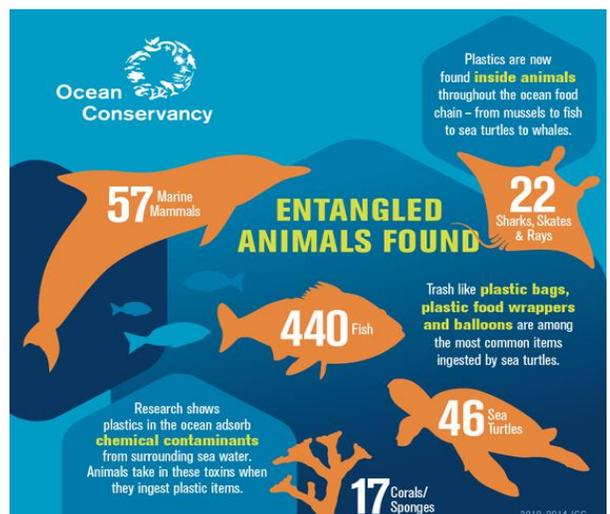
This issue of our newsletter covers a few major events and developments relating to our oceans and fisheries globally and from around the region. An update on latest new books added to the PIMRIS collection at USP Lower Campus Library and notices of upcoming conferences and workshops are also included.

Please check out our website: [PIMRIS](http://pimris.usp.ac.fj) and let us know should you need further information regarding our services or wish to share any marine/fisheries related news with us via pimris@usp.ac.fj. Fa'afetai tele laval!

Susana Macanawai, *PIMRIS Coordinator*

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Part of infographics from the 'Ocean Conservancy' 2015 Trash Free Seas Report. (Source: [Ocean Conservancy](http://oceanconservancy.org))

Directory

PIMRIS is a cooperative network of fisheries and marine resources libraries and information centres in the Pacific. Participants include national ministerial libraries and regional agencies listed below.

For additional information, contact the PIMRIS coordination unit or the specific agency.

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New Faces, New Places

SPREP Centre - new staff

Emma Arasi started as Assistant Records and Archives Officer at the SPREP Information Resources and Archives Centre in January 2015. She holds a Bachelor of Arts in Social Work and History.



Emma Arasi

Emma joins three other staff at the centre including its Manager, Miraneta Hazelman.

New Appointment at USP-Library (Suva)



Aarti Mala

Aarti Mala, former part-time clerical accounts assistant at USP main library, was recently appointed as Library Assistant after completing her Diploma in Library/Information Studies from USP. She is currently located at the Pacific

library. We congratulate Aarti on her new appointment and also for completing the DLIS while working part-time.

PIMRIS welcomes new staff



Abane Makei

Abane Makei was assigned to lower campus from February this year as the new PIMRIS part-time Junior Library Assistant (PTJLA). She has spent two years with the main library in the same capacity. Abane is currently

studying part-time towards the Diploma in Library & Information Studies (DLIS) at USP.

Amora Tavisia started as the new Library Attendant from February 2015, replacing Jone Batiwale who returned to the main library. Her relocation to lower campus this year is part of the USP Laucala Library's annual staff rotation programme.



Amora Tavisia

World Oceans Day 2015 celebrated worldwide

World Oceans Day 2015 was celebrated around the world on June 8. The United Nations (UN) theme for this year is 'Healthy Oceans, Healthy Planet'. The UN Secretary General, Ban Ki-moon's message for the day highlighted the importance of oceans to the world's population and the increasing threat of climate change. He stated, 'Oceans are an essential component of the Earth's ecosystem, and healthy oceans are critical to sustaining a healthy planet. Our oceans regulate the climate and process nutrients through natural cycles while provide a wide range of services,



Whales near the islands of American Samoa.
(Photo : American Samoa Visitors Bureau)

including natural resources, food and jobs that benefit billions of people. Climate change poses a great challenge for the health and productivity of the oceans. The science is clear: humans have caused changes to the climate system that are linked to the warming of oceans. Sea-levels are rising, with devastating effects on vulnerable communities, especially people living in small island developing states' (<http://www.un.org/en/events/oceansday/>).

Across the globe in the United Kingdom, the Commonwealth Secretariat echoed similar sentiments in an official statement by its Secretary-General highlighting the 'impact both wise and unwise stewardship of marine resources can have on the future well-being of our shared planet' and especially for small island developing states. He stated, 'Coastal states, in particular Small Island Developing States, depend on the wealth of resources provided by the oceans...the structure of their economies often presents challenges to exploiting ocean resources and services for sustainable development more fully. The Commonwealth has therefore been working with them to formulate national strategies to harness opportunities presented by a more diversified ocean-based economy. This includes practical assistance with the delimitation of national maritime boundaries, as well as sustainable management of marine and coastal resources and activities.'
(<http://thecommonwealth.org/media/news/world-oceans-day-2015>)



© Cécile Gaspar

2015 World Ocean Day Theme winner (*UN Photo competition*) – Cécile Caspar (France).
(Photo: UN website).

Also on this day, the winners of the UN's Division for Ocean Affairs and the Law of the Sea's Oceanic photo competition were announced at the UN Headquarters in New York.

The finalists' photographs will feature in physical exhibits around the world, accompanied by a narrative that underlines the importance of the oceans for humanity.

Some of winning photographs from this competition have been included in this issue, but more can be viewed and list of winners are available via the competition's official [site](#).



© James Vodicka



© Ellen Cuylaerts

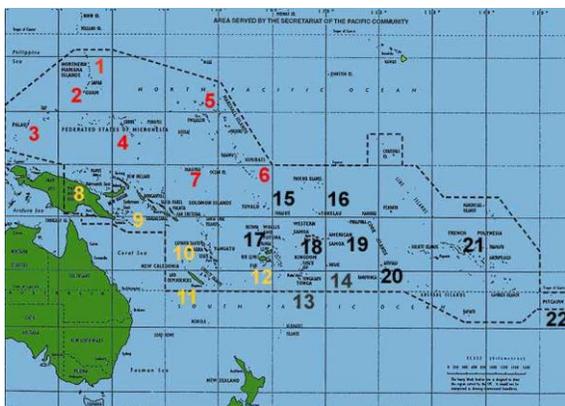
Far left: *Above Water Seascapes* – Winner: James Vodicka (Australia) (Photo: UN website)

Left: Human Interaction with the Ocean – Winner: Ellen Cuylaerts (Belgium) (Photo: UN website)

Meanwhile in our region, the Secretariat of the Pacific Regional Environment Programme (SPREP) office in Samoa also commemorated the day with a cleanup along the coast at Taumeasina Bay with the local Pualele Outrigger canoe club and the Samoa Conservation Society. The Director-General of SPREP who also took part in the cleanup highlighted the many projects and work programs underway at SPREP to help strengthen our ocean and marine life as we face numerous challenges, including marine litter.

‘The Pacific region comprises a vast ocean, greater than 30 million km² with a total land area of just over 500,00 km², of which Papua New Guinea accounts for 83 per cent, while Nauru, Pitcairn, Tokelau, Tuvalu are each smaller than 30 km². Nine of the Pacific Island countries have a sea area extending over 2 million km², while the combined maritime area under national jurisdiction exceeds the land area by more than fifty times’ (Power & Solofa, 2015).

For many Pacific Island countries, the ocean remains the only significant natural resource, the source of livelihood and part of many traditional customs. Many of Pacific Island communities rely heavily on coastal fisheries as a source of food and income while island economies rely on oceanic fisheries and coastal tourism for foreign exchange. This has been and will be for generations to come. However, action to safeguard our oceans from destructive fishing practices, pollution, illegal, unreported and unregulated fishing must continue as a shared responsibility.



Map of the Pacific Islands region (Photo: spc.int)



Islands of the Fiji group. (Photo: delphiforums.com)

Sources:

Power, M., & Solofa, A. (2015). The Pacific islands regional ocean policy and the framework for a Pacific oceanscape: Many islands, one ocean. In B. Cicin-Sain, D. L. VanderZwaag & M. C. Balgos (Eds.), *Routledge handbook of national and regional ocean policies* (504-521). New York: Routledge.

<http://thecommonwealth.org/media/news/world-oceans-day-2015>

<http://www.un.org/en/events/oceansday/>

www.sprep.org

DeepGreen Resources Offers Marine Science Scholarships



(L-R) Mr. Nooa Maraki and Mr. Rawata Kaureata, Dr Bibhya Sharma (FSTE), Dr Samantha Smith (DeepGreen Resources). (Photo: USP News)

DeepGreen Resources, a company looking to build an onshore processing plant to produce metals from seafloor polymetallic nodules, has kindly offered the newly instituted *Marine Science Scholarship* to 1st year students from Kiribati who wish to undertake their studies at The University of the South Pacific (USP).

DeepGreen Resources is working with the Government of Kiribati to investigate the potential of developing a more socially and environmentally advantageous approach to obtaining strategic metals needed for the world's social and economic development,

with a focus on seafloor polymetallic nodules containing nickel, copper and manganese. The company is keen on contributing to increasing the capacity of marine science in the region and plans to offer additional Marine Science Scholarships in the future.

Dr Samantha Smith, representing DeepGreen Resources, met Dr Bibhya Sharma, Associate Dean of the Faculty of Science, Technology and Environment (FSTE), his Learning & Teaching staff and two recipients of the scholarship on Friday 20th March. The two recipients present at the ceremony organised by FSTE were Mr Nooa Maraki and Mr Rawata Tangitang Kaureata. The third recipient of the scholarship is Ms loita Aribita who is currently based at the Kiribati Campus and will join her fellow recipients from Semester 2 this year.

Dr Smith highlighted the importance of building marine science capacity in the region. She also urged the students to go back to their home countries and take part in increasing the marine science capacity. She thanked the Faculty and in particular Dr Sharma for taking a sincere and proactive role in the design of the Marine Scholarship and all the help rendered in the selection process.

Dr Sharma in welcoming the guests and scholarship recipients congratulated them and also thanked Dr Smith for her role in the new development. He further added that it was indeed heart-warming and encouraging to see companies and organisations coming forward to help our students in the region. He sincerely thanked DeepGreen Resources for deciding to follow in this direction.

The scholarship provides funding for students to complete an undergraduate Marine Science degree at the University and covers tuition fees and accommodation expenses.

Nooa Maraki, an elated recipient of the scholarship said that the scholarship provided is very important as the livelihood of his people in Kiribati is dependent on their ocean resources. The recipients conveyed their appreciation at being given such an opportunity and assured Dr Smith and Dr Sharma that they will perform to the best of their abilities to reach their goals. On behalf of the Faculty, Dr Sharma agreed to mentor the recipients and provide them learning support through their Student Learning Support (SLS) team.

More: [USP News](#)

South Pacific food security and livelihoods promoted by Fish 2.0

A Pacific Fish 2.0 workshop held in Nadi in early March, hosted by World Wide Fund for Nature – Pacific (WWF-Pacific) and the International Union for Conservation of Nature – Suva Office (IUCN), was opened by the United States Ambassador in Fiji, Judith Cefkin.

This workshop follows the launch of the Fish 2.0 competition globally in early January 2015.

Fish 2.0 is a business competition that connects investors with seafood businesses giving them an opportunity to win over \$180,000 in prizes, gain international visibility, find strategic partners and ultimately garner new investments for their businesses.

It is backed by a broad range of over 19 foundations, private investors and corporates.

The 2015 Fish 2.0 competition launched globally in January aims to connect investors interested in supporting sustainable and innovative ideas with new and growing businesses in fisheries, aquaculture, and seafood supply chains. The Pacific Fish 2.0 workshop in Fiji was hosted by WWF Pacific and IUCN.

Sustainable fisheries crucial to the sustenance and livelihoods for much of the South Pacific are promoted through the Fish 2.0 competition, said United States Ambassador Judith Cefkin.

“But the impact is much broader than that, Fish 2.0 helps to build a mutually supportive sustainable fisheries community that will pay dividends for business owners, investors, Pacific nations, people and the ocean around us, far into the future.

“The U.S. Department of State is pleased to be able to support aspiring Pacific Island entrepreneurs through this program, and hopes Fish 2.0 will foster the growth of businesses and investments in the Pacific Islands, facilitate diaspora mentoring connections, and support the development of sustainable fisheries, technologies and supply chains to protect global oceans.”

WWF-Pacific Conservation Director Sally Bailey said being involved allows participants of Fish 2.0 to share knowledge and skills that will help their businesses to grow sustainably.

Workshop participants included a mix of seafood entrepreneurs from boat to plate, in the Melanesia and Micronesian regions of the Pacific namely Tuvalu, Kiribati, Papua New Guinea, Solomon Islands and Fiji.

Fish 2.0 founder Monica Jain said there has been overwhelming interest from businesses.

“We funded the participation for only 25 participants but about double that number applied and some have opted to come at their own cost,” she said.

The three-day workshop familiarises entrepreneurs with competition, investment and in growing a business. One was similarly held in Pohnpei in the Federated States of Micronesia in February.



The US Ambassador in Fiji, Judith Cefkin during the workshop opening in Nadi.
(Photo: WWF South Pacific)



The US Ambassador in Fiji with Sally Bailey (WWF Pacific) and Tui Macuata Ratu Wiliame Katonivere. (Photo: WWF South Pacific)

Meanwhile, the first phase of the competition which opened in January 13 2015 was closed in April 27.

Out of the original 170 businesses that applied, 69 are currently in phase 3 of which 36 will make it to the finals.

Competitors in this competition come from all over the globe representing wild fisheries, aquaculture and other seafood-related enterprises.

The 2015 competition however continues on with phases 3 and 4 until the finals in November.

Sources:
[WWF South Pacific](http://www.fish20.org/)
<http://www.fish20.org/>



International Union for Conservation of Nature

How to develop your event

for the World Conservation Congress, Hawai'i 2016

Call for Contributions to the IUCN World Conservation Congress 2016 now open

The IUCN World Conservation Congress 2016 will bring together several thousand leaders and decision-makers from government, civil society, business, and academia with the goal of conserving the environment and harnessing the solutions nature offers to global challenges. This is an opportunity not to be missed!

If you want to be part of the 2016 Congress and host an event during the Forum, the Call for Contributions is your opportunity to seize! You have from now until 15 October 2015 to submit your proposal!

For more information: [IUCN](http://www.iucn.org)

41st IAMSLIC Annual Conference

& 16th EURASLIC Biennial Meeting

7-11 September 2015

FAO, Rome, Italy



Blue Growth: Motivating Innovations in Aquatic Information Management

Siete cordialmente invitati a unirvi a noi a Roma per il 41° congresso annuale IAMSLIC

The planning committee of the 41st Annual Conference of the International Association of Aquatic and Marine Science Libraries and Information Centers (IAMSLIC) along with the European Regional Group of IAMSLIC (EURASLIC) invite you to join us in Rome, Italy, 7-11 September 2015. The conference will be hosted and co-sponsored by the [Food and Agriculture Organization of the United Nations](#) (FAO). Program proposals are due by April 17, 2015.

Registration information will be coming soon.

The FAO Global Initiative on Blue Growth (BGI) in Support of Food Security, Poverty Alleviation and the Sustainable Management of Aquatic Resources, defines “Blue Growth” as *“Sustainable growth and development emanating from economic activities in the oceans, wetlands and coastal zones, that minimize environmental degradation, biodiversity loss and unsustainable use of living aquatic resources, and maximize economic and social benefits”*.

Organized in cooperation with the Fisheries and Aquaculture Department of the Food and Agriculture Organization of the United Nations (FAO), the **41st Annual Conference of the International Association of Aquatic and Marine Science Libraries and Information Centers (IAMSLIC)** will create a forum for discussion and exchange of knowledge and information on the Blue Growth Initiative as well as to share the best practices and innovative ideas in fisheries and aquatic information management.

The participants will have a great opportunity to learn from and discuss the Initiative with top-level FAO experts and invited speakers. The conference organizers are putting together an exciting program for the Special Session on Blue Growth.

More information about the Blue Growth Initiative can be found here:

<http://www.fao.org/zhc/detail-events/en/c/233765/>

More on: <http://www.iamslc.org/conf2015/>

Secretariat of the Pacific Community (SPC) conducts stock assessment workshop

The Secretariat of the Pacific Community (SPC) recently conducted a week-long workshop (22-27 June 2015) at the SPC Headquarters in Noumea, New Caledonia.

Attended by 26 regional scientists and observers from 15 Pacific Island countries, the '2015 Stock Assessment Workshop' aims to equip scientists and other government officials with the ability to provide sound advice to their governments on fisheries conservations and management.

The SPC for the past decade has been conducting annual stock assessment workshops aimed at providing regional scientists with the tools to critically examine the stock assessments that form the basis for management advice on the globally significant tuna fisheries of the Western and Central Pacific Ocean.

The Western and Central Pacific Ocean accounts for 58 per cent of the world tuna catch and Pacific Island countries and territories are custodians of the bulk of that catch. This fishery is worth an estimated USD 6.2 billion per annum.

Tuna is also an important source of dietary protein for many Pacific Island communities.

A testament to the success of these trainings is the number of past participants now occupying senior positions within fisheries ministries and inter-governmental organisations around the Pacific.

"This year we're delighted to welcome as one of the presenters, a previous workshop participant, Cook Islander Pamela Maru, who now works as a Fisheries Management Advisor for the Forum Fisheries Agency," SPC's Director of Oceanic Fisheries, Dr John Hampton, said.

Participants at the workshop will learn basic analytical techniques on fisheries data, similar to those performed in the tuna stock assessments.

The combination of lectures and hands-on practical sessions will provide participants with the critical tools needed to interpret the annual stock assessments presented at the upcoming Scientific Committee meeting of the Western and Central Pacific Fisheries Commission (WCPFC) in August.

The workshop is hosted by SPC with participation by the Forum Fisheries Agency (FFA) and the University of the South Pacific (USP). It is made possible with support from the Australian Government, Japan Trust Fund, New Zealand Aid Programme, Pew Charitable Trusts and WCPFC.

Source: www.spc.int



Unloading tuna. (Photo: spc.int)

News from around the Region

Blue Days Conference to promote marine-based ecotourism



The conference aimed at promoting ecotourism in the Pacific Islands region. (Photo: SPREP)

A conference jointly organized by the Government of French Polynesia and the Secretariat of the Pacific Regional Environment Programme (SPREP) was held from 1-5 June 2015 in Pape'ete, French Polynesia.

The Blue Days conference, an initiative of the Government of French Polynesia, is to deliver an assessment of the development of ecotourism in the Pacific Islands, its impacts on the dugongs, turtles, whales, dolphins and sharks and also, to set a roadmap for the future.

Around sixty participants from around the Pacific Islands, international experts and NGOs attended and took part in forming the framework for a multiyear programme under the Blue Days Project.

The framework acknowledges the importance of involving local communities and their cultural relationships with wildlife and how this can be strengthened and respected in marine-based ecotourism. The framework will be put before decision makers during the annual conferences of SPREP in September and the Regional Meeting of Tourism members in October this year.

"This was a very inspiring conference that discussed ways for us to better understand and work with the notion that a healthy and sustainable marine life will grow our economies through marine-based ecotourism," said Ms Pascale Salaun of the Biodiversity and Ecosystem Management Team at SPREP.

"We all feel empowered and ready to help see some very positive results that will see a healthy and vibrant marine life as well as thriving ecotourism market to the Pacific."

A communique developed from the conference has designated SPREP and the South Pacific Tourism Organisation (SPTO) as the lead organisations to drive the Blue Days Project. This will allow both organisations to work together, raise funds for the implementation of the multiyear programme.

Mr Michael Donoghue, the Threatened and Migratory Species Officer of SPREP was elated about outcomes of the conference. He stated, "As we head towards the Year of the Whale in 2016, we are very much excited about the Blue Days Conference and the excellent input and collaboration that will make the Blue Days Project a success. We are pleased that this project will be a win-win all round, the protection and safe-guarding of our marine species as well as a growing economy through marine-based ecotourism. We look forward to what comes ahead of this."

The week-long conference ended with an excursion to see the spinner dolphins.

Source: [SPREP](#)

Dolphin hunting in Solomon Islands requires urgent monitoring, research finds

By Sam Bolitho

Traditional dolphin hunts in the Solomon Islands are among the world's largest, researchers in the US have found, with over 1,600 dolphins killed in a 2013 hunt alone.

A study in Fanalei village, on the island of South Malaita, recorded an overall tally of 15,400 dolphins killed between 1976 and 2013.

The dolphins are mainly killed for their teeth, a local currency often used to pay dowries for brides and for ceremonial jewelry.

Despite recent attempts from environmentalists and government to stamp out the practise, the local price of a dolphin tooth rose from the equivalent of 14 US cents in 2004 to about 70 US cents in 2013.

"The large number of dolphins killed and the apparent incentive for future hunting offered by the increasing commercial value of teeth highlight an urgent need to monitor hunts and assess the abundance and trends in local populations," the report, published in the journal Royal Society Open Science, said.

The Solomon Islands has a long history of "drive hunting", however it is now limited to just a few villages.

Hunters in groups of 20-30 canoes drive dolphin schools from deep to coastal waters by hitting stones together. This creates a sound barrier underwater that drives the mainly spinner and spotted dolphins towards shore where they are killed.

Researchers said while the hunt did not pose a threat to the species, it did have the potential to wipe out small and isolated dolphin communities.

"We've learned over the years that many populations of dolphins are highly subdivided," co-author Scott Baker, from Oregon State University, told [Pacific Beat](#).

"That is, they're localised around islands forming small communities. It's the loss of those communities that is the threat here."

Dr Baker said village leaders in South Malaita were receptive to ideas that would protect the resource.

"They'd like to continue the tradition into the future and that might not be possible if they're overexploiting local populations," he said.

More: [ABC net](#)



Dolphin teeth are used as a local currency in some parts of the Solomon Islands as dowries for brides.
(Photo: [DolphinProject.net](#))

Aquaculture project launched in French Polynesia



Jiansan Jia, deputy director of the Fisheries and Aquaculture Dept. at UN & Tahiti Nui Ocean Foods President, Wang Cheng. (Photo: AFP)

The French Polynesian government and Chinese investors have formally launched a massive aquaculture project on Hao atoll, expected to cost around 1.5 billion US dollars.

The company, Tahiti Nui plans to build 2,800 cages to farm fish, prawns and sea cucumbers for export to China.

500 people are expected to be employed for about two years to build the facilities and once completed, the annual fish production is targeted to be in excess of 50,000 tonnes.

The company, which is a subsidiary of the Chinese Tian Rui group, has in part chosen

Hao because its runway is long enough to accommodate planes which can freight the fish directly to China.

The project is hoped to create jobs for local people as unemployment in the territory is running at an estimated 25 percent. Hao was a major military base in the latter part of the last century when France carried out its nuclear weapons tests on nearby Moruroa and Fangataufa atolls.

French Polynesia to keep Hao project on track

(2 June 2015)

The French Polynesian government says manipulation by the opposition was behind a demonstration on Hao atoll against a huge aquaculture project of a Chinese company.

The action prompted the president and four ministers to spend two days on Hao in an effort to keep the project on track.

At the beginning of the year, the government signed a deal with Tian Rui



Officials and guests during the launch on 8 May 2015. (Photo: [Radio NZ](#))

International Investment for fish farms that would see investments worth 1.7 billion US dollars and create about 2,000 jobs.

The project was to go ahead on Makemo but last month, it was announced that it would be switched to Hao.

Hao atoll had been considered for fish farming for years, but last year Makemo was picked for the Chinese project because of concerns with the nuclear and physical pollution on the atoll.

Source: [Radio NZ](#)

Deep Sea Fishing Company opens factory in Samoa

A new fish processing plant owned by Yuh Yow Fisheries Company Ltd of Taiwan and local business interests was officially opened by the Prime Minister of Samoa, Tuilaepa Lupesoliai Sailele Malielegaoi at Apia wharf on the 24 May 2015.

The opening of this new factory is the result of negotiations over the years between the Government of Samoa and the Taiwanese Yuh Yow Fisheries Company Ltd which started in 2012.

The prime minister during the opening was excited and happy about the new venture, emphasizing the importance of this new business to both countries.

He stated that 'the opening of this new facility marks an achievement of the first ever Fishery Access Agreement (FCA) between the Government of Samoa and a foreign country, a milestone that requires mention and recognition'.

During his opening speech, the Prime Minister also emphasized that the company will not fish in the Samoan zone allocated for 'alia' fishing boats that do not go far and owned by local fishermen.

"The opening of this facility marks an achievement of the first ever Fishery Access Agreement (FCA) between the Government of Samoa and a foreign country, a milestone that requires mention and recognition," said Tuilaepa.

Yuh Yow Fisheries Company Ltd. has seven long liner vessels which will be used for deep sea fishing and the catch per day is expected to be 100 tonnes per vessel with 80% going on overseas commercial markets and 20% for local markets.

According to Talamua report, this is the first ever fishing agreement between the government of Samoa and any country and that the Prime Minister believes this new venture and agreement is a good deal that optimizes benefits while minimizing costs to both parties.

Concerns relating to Samoa's obligations to international agreements and conventions and potential environmental issues have been considered.

More: [Talamua](#)

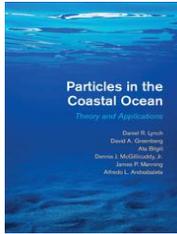


Yuh Yow company officials with local staff during the opening. (Photo credit: Talamua)



Apia Deep Sea Fishing Co. Ltd. Factory at Matautu wharf, Samoa. (Photo credit: Talamua)

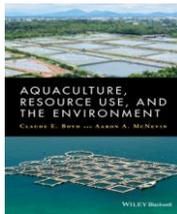
New additions to PIMRIS Library



Particles in the coastal ocean: theory and applications/ Lynch, D. R. et al., c2014. ISBN: 9781107061750.

This book is about modeling and simulation of the transport, evolution, and fate of particles (physical and biological) in the coastal ocean. It summarises the state of the art in this field and directs it toward diverse applications, like measuring and monitoring sediment motion,

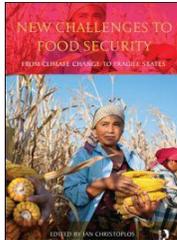
<http://www.cambridge.org/us/academic/subjects/earth-and-environmental-science/oceanography-and-marine-science/particles-coastal-ocean-theory-and-applications>



Aquaculture, resource use and the environment / Boyd, C. & McNevin, A., c2015. ISBN: 9780470959190.

This book analyses and synthesizes critical issues facing the continued growth and acceptance of aquaculture practices and products. It looks at the past, present and future demands for food and aquaculture production.

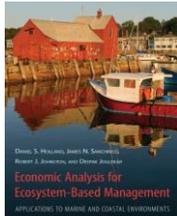
<http://au.wiley.com/WileyCDA/WileyTitle/productCd-0470959193.html>



New challenges to food security: from climate change to fragile states / edited by I. Christoplos & A. Pain. New York: Routledge, c2014. ISBN: 9780415822565.

This publication brings together analyses of different factors that impact on food security. It contains a range of perspectives on food security and the challenges of market volatility, climate change and state fragility.

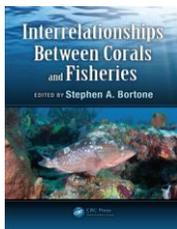
http://www.routledge.com/books/details/9780415822565/?utm_source=CMS&utm_medium=Article&utm_campaign=SBU3_MBS_2PR_8cm_1GEO



Economic analysis for ecosystem-based management: applications to marine and coastal environments / by Holland et al. New York: RFF Press, c2010. ISBN: 9781933115740.

This book describes ways in which economic analysis can be an important tool to inform and improve ecosystem-based management (EBM). It includes discussions on modeling economic impacts, benefit-costs analysis and spatial considerations in EBM.

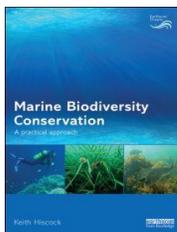
<http://www.rff.org/Publications/Pages/PublicationDetails.aspx?PublicationID=20811>



Interrelationships between corals and fisheries / edited by S. A. Bortone. Boca Raton, Fla: CRC Press, c2015. ISBN: 9781466588301.

This book addresses current and emerging threats as well as challenges and opportunities for managing corals and associated fisheries. It derives from a workshop held by the Gulf of Mexico Fishery Management Council in Tampa, Florida in May 2013.

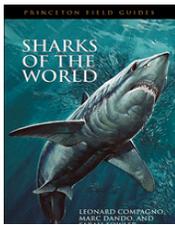
<https://www.crcpress.com/product/isbn/9781466588301>



Marine biodiversity conservation: a practical approach / by Hiscock, K. New York: Routledge, c2014. ISBN: 9780415723565.

This is practical guide based on a clear exposition on the principles of marine ecology and specie biology, with the main focus on benthic species living on or in the seabed and immediately above rather than on commercial fisheries or highly mobile vertebrates.

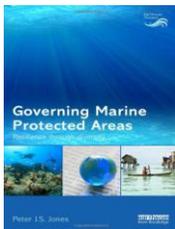
http://www.routledge.com/books/details/9781315857640/?utm_source=CMS&utm_medium=Article&utm_campaign=SBU3_MBS_1TX_8cm_9ENV



Sharks of the world / by Compagno, L., Dando, M., Fowler, S. Princeton: Princeton University Press, c2005. ISBN: 9780691120720.

This is a field guide to more than 400 species of sharks, illustrated by colour plates and includes detailed accounts and a distribution map for each species as well as over 500 additional drawings illustrating physical features from different angles.

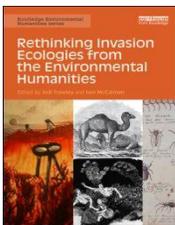
<http://press.princeton.edu/titles/7931.html>



Governing marine protected areas: resilience through diversity / Jones, P. New York: Earthscan, c2014. ISBN: 9781844076635.

This book addresses some important challenges related to the effective and equitable governance of marine protected areas (MPAs), ocean zones where human activity is limited. MPA case studies from around the world are explored and analysed in this publication.

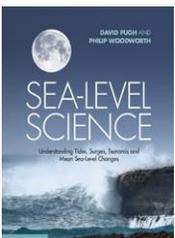
<http://www.geog.ucl.ac.uk/about-the-department/news/news-archive-2014/february-2014/governing-marine-protected-areas-resilience-through-diversity>



Rethinking invasion ecologies from the environmental humanities / edited by J. Frawley & I. McCalman. New York: Routledge, c2014. ISBN: 9780415716574.

This book demonstrates how humanistic methods and disciplines can be used to bring fresh clarity and perspective on this aspect of environmental practice and the need to understand interactions of ecologies and societies in addressing problems of global environmental crisis.

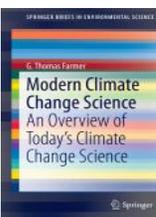
<http://www.routledge.com/books/details/9780415716574/>



Sea-level science: understanding tides, surges, tsunamis and mean sea-level changes / Pugh, D. & Woodworth, P. New York: Cambridge University Press, c2014. ISBN: 9781107028197.

This full-colour book incorporates major recent technological advances in the areas of satellite altimetry and other geodetic techniques (particularly GPS), tsunami science, measurement of mean sea level and analyses of extreme sea levels.

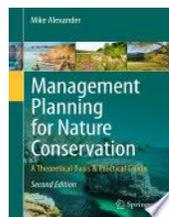
<http://www.cambridge.org/us/academic/subjects/earth-and-environmental-science/oceanography-and-marine-science/sea-level-science-understanding-tides-surges-tsunamis-and-mean-sea-level-changes>



Modern climate change science: an overview of today's climate change science / by Farmer, G. T. Cham: Springer, c2014. ISBN: 9783319092218.

This book examines contemporary climate change science with sub-sections on the Intergovernmental Panel on Climate Change (IPCC), earth's energy imbalance and energy flow, carbon dioxide's role in the greenhouse effect and more.

<http://www.springer.com/us/book/9783319092218>



Management planning for nature conservation: a theoretical basis & practical guide / Alexander, M. 2nd ed. Dordrecht: Springer, c2013. ISBN: 9789400751156.

This second edition deals with the development both, conceptual and practical, of adaptive management planning for nature conservation. It is about preparing management plans with case studies demonstrating the planning process in action.

<http://www.springer.com/us/book/9789400751156>

Conferences, Workshops & Events

6-10 July 2015	WCPFC Inter-sessional Working Group (IWG) Regional Observer Programme and IWG E-monitoring, E-reporting Meetings , Nadi, Fiji.
9-10 July 2015	18th Pacific Islands Round Table for Nature Conservation Annual Meeting , Suva, Fiji.
1-4 Aug. 2015	Pacific Islands Forum Fisheries Agency (FFA) Science Working Group Meeting , Pohnpei, Micronesia.
7-11 Sept. 2015	46th Pacific Islands Forum Leaders Meeting , Port Moresby, Papua New Guinea.
14-16 Sept. 2015	2nd Central Pacific Shipping Commission (CPSC) Conference , Majuro, Marshall Islands.
21-26 Sept. 2015	40th Pacific Maritime Transport Alliance (PMTA) Conference , Port Moresby, Papua New Guinea.