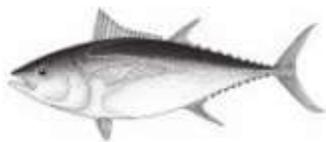


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Editorial



Bula & Welcome to our first issue of the year.

The first six months of this year has been a busy one for our region as we played host to several key international sporting events and high-level meetings. The most significant so far, are the historical official visits related to the United Nations' Sustainable Development Goals (SDG) and climate change, first by Norway's Crown Prince Haakon to Tonga, Fiji and Samoa followed by the week-long tour of Fiji, Tuvalu and Vanuatu by the United Nations' Secretary-General, Antonio Guterres. Both dignitaries witnessed the impacts of rising sea levels, pollution and local mitigating initiatives.

These official visits may be the result of Fiji's successful and historic leadership of COP23 and in recognition of the united voice and work of Pacific Island states in raising global awareness about climate change and its threat to our existence. Our situation is not only urgent but real and we are grateful of all the efforts and contributions towards global action so far. We know we contribute the least to the global climate change problem but it should not deter us from sustaining activities to curb environmental pollution and achieve other SDGs in our region.

On the latest from PIMRIS Coordination Unit, two new staff have joined us this year from the USP Laucala main library. We are also excited to mention that the newly recruited library staff for Fiji and Kiribati Fisheries have made contact and are currently working to maintain local library activities. Vinaka to all our partners who have made submissions so far and we hope to hear from the rest of our members as we plan our next possible regional meeting.

All the best for the next 6 months & Happy Reading!

Susana Macanawai, *PIMRIS Coordinator*

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HRH Crown Prince of Norway with locals during his visit to the Moata'a mangroves, Samoa in April. (Image: Samoa Gov't).

---Opinions expressed in articles included in the PIMRIS Newsletter do not necessarily represent those of any participants. --

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, please contact the PIMRIS coordination unit or the specific agency.

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New Faces, New Places

Bula & Welcome!

Natasha Skeen joined USP Library in late January. She is Librarian - Reader Services and the Liaison Librarian for Language/Literature and Tuvalu Campus. Natasha is from the West Midlands, UK and holds a MA (Info.



Natasha Skeen

& Lib. Studies) and a Post-Grad. Cert. in Teaching and Learning in Higher Education.

Daniel Brown joined USP Library in early March and is the Librarian - Electronic Resources (Technical Services). He is also the Liaison Librarian for Journalism & Media. He holds a PhD in English, MA (Liberal Studies) and MS in Info. Science.



Daniel Brown

Viliame Makasiale, a Library Attendant at the USP main library (Laucala) for 18 years, relocated to PIMRIS in February this year as one of the two rotated staff. Vili first joined the Laucala library full-time in 2001 and has seen many changes and developments at the library over the years.



Vili Makasiale

Unaisi Domonakibau is the new Part-Time Junior Library Assistant (PTJLA) at PIMRIS. She relocated to Lower Campus in February as part of the USP Library's annual staff rotation programme. She is currently pursuing the Diploma in Library Studies part-time at USP-PacificTAFE.



Una
Domonakibau

ADB launches \$5 billion Healthy Oceans Action Plan



ADB President Takehiko Nakao with Fiji's Prime Minister at the 52nd Annual Meeting of the ADB's Board, in Nadi, Fiji. (Image: Collected – The Daily Star).

The Asian Development Bank (ADB) recently launched a \$5 billion 'Healthy Oceans and Sustainable Blue Economies Action Plan' for the Asia-Pacific region. The Action Plan was launched alongside an ADB Oceans Financing Initiative during the ADB's 2019 Annual Meeting in Nadi, Fiji from the 1-5 May.

The Plan and Initiative aim to support initiatives and efforts of the ADB's developing member countries to achieve the

Sustainable Development Goals (SDGs) including SDG 14 (Life below Water) especially on the protection and restoration of marine ecosystems while promoting inclusive livelihoods.

The ADB's President Takehiko Nakao emphasised that the action plan focuses on creating business opportunities in sustainable tourism, protecting and restoring coastal, marine ecosystems and key rivers, reducing land-based sources of marine pollution and improving sustainability in port and coastal infrastructure development.

Furthermore, the Oceans Financing Initiative will expand financing and technical assistance for ocean health and marine economy projects to \$5 billion from 2019 to 2024 including co-financing from partners.

This initiative will also promote the use of innovative financing instruments, such as credit-enhanced blue bonds and revenue guarantees.

According to the ADB news release, the ADB will pilot the Ocean Financing Initiative in Southeast Asia in collaboration with the Association of Southeast Asian Nations (ASEAN) Infrastructure Fund and the Republic of Korea.

Support in designing and implementing this initiative will be provided by the World Wide Fund for Nature (WWF).

Right:
ADB's new initiative launched at its meeting in Nadi in May. (Image: ADB)



At the annual meeting in Nadi, the ADB also organised a seminar titled, 'Ocean Health: Actions from Source to Sea'. The official speakers and panelists at this seminar included the Indonesian Minister for National Development Planning and ADB alternate Governor for Indonesia, Mr Bambang Brodjonegoro, the Global Environment Facility CEO and Chairperson, Ms Naoko Ishii, the World Resources Institute President and CEO, Mr Andrew Steer, the Pacific Islands Forum Deputy Secretary General, Ms Cristelle pratt and ADB President, Takehiko Nakao.



Panelists during the 'Ocean Health: Actions from Source to Sea' Seminar discussions. (Image: ADB)

The ADB's news release further stated, 'Ocean ecosystems have been pushed to the brink of collapse by the threats of climate change, pollution and illegal and unregulated fishing, among others'

'Unless immediate action is taken about 90% of Asia and the Pacific's coral reefs will be dead by 2050, and all commercially exploitable fish stocks will disappear by then. This will significantly threaten food security, the global economy, and livelihoods, especially among millions of poor and vulnerable communities in the region.'

One notable achievement from this annual meeting is the signing of the Host Country Agreement between the ADB and the governments of Kiribati, Tonga and Tuvalu.

The agreements confirmed the establishment of country offices to enhance the impact of ADB's growing assistance programmes and further expand the bank's support in the Pacific.

Tuvalu's Deputy Prime Minister and ADB Governor, Mr Maatia Toafa signed the agreement before the annual meeting started. Mr Teuea Toatu, Kiribati's Minister of Finance and Economic Development and ADB Governor and Tonga's Finance Minister and ADB Governor, Mr Pohiva Tu'i'onetoa signed their host agreements on the final day of the meeting.

The Kiribati, Tonga and Tuvalu country offices will serve as extensions of ADB's Pacific Sub-regional office in Fiji and will be known as, the ADB Kiribati Coordination Office, the ADB Extended Mission in Tonga and the ADB Tuvalu Development Office.

These three new country offices are the ADB's first group of field presences in Pacific developing member countries to be upgraded.

These will allow ADB to have more regular contact and substantive communication with government and development partners as ADB scales up financing to help developing member countries achieve sustainable economic and social development.

[END]

(Adapted from: ADB News & Events, IISD / SDG Knowledge Hub, Fiji Times)

Environmental cost of the Solomon Islands' oil spill yet to be determined

The full extent of the impact of the oil spill on the ocean and environment from the Hong Kong-based bulk carrier, the MV Solomon Trader which ran aground near Rennell Island (Solomon Islands), is yet to be determined.



According to the Australian Government's Department of Foreign Affairs & Trade press release in late March, aerial assessments conducted by the Australian Maritime Safety Authority (AMSA) on behalf of the Solomon Islands government confirmed extensive oil leakage around the ship dispersing across the surrounding sea and shoreline.

A large oil slick emanating from the MV Solomon Trader, located near Rennell Island in the Solomons. (Image: DFAT).

On March 18, the Solomon Islands National Disaster Management Office reported that salvage experts have stabilized the ship and stopped the fuel leak.

However, the investigation into this environmental disaster is ongoing and may take some time.

It was reported that more than 80 tonnes of heavy fuel oil started spilling from the MV Solomon Trader on February 5 when the vessel ran aground in bad weather near Rennell Island, within a few kilometres of a UNESCO World Heritage Site.

The vessel owner and company's response to the oil spill was slow and was criticised by the locals and the Australians who immediately responded to the Solomon Islands government's plea for assistance.

The Solomon Islands is not a signatory to two international treaties which underwrite the cleanup and wreck removal for ship owners and insurers.

However, the Hong Kong owner – King Trader later apologised over the disaster and stated that weather conditions, poor infrastructure and remote location all caused delays in responding to the oil spill.

The company further added, 'reports crew being absent from the vessel or intoxicated at the time of the grounding are false' and 'matters of liability are yet to be determined'.

Rennell Island, one of the Solomon Islands' outlying islands in its southern Rennell and Bellona Province is geographically remote with little infrastructure and few services.

It is the largest raised coral atoll in the world, with the largest fresh water lagoon in the Pacific, and is home to many unique animal species.

It is also home to about 2000 people.



The MV Solomon Trader leaking oil near Rennell Island.
(Image: AAP)



The oil slick on the beach at Rennell, Solomon Islands.
(Image: Solomon Star)

The salvage teams from the Solomon Islands and Australia managed to control the oil spill and its spread within two weeks when it started operations in early March.

The UNESCO World Heritage site declared in 1998 is located in the southern third of Rennell Island, not far from Kangava Bay and comprises of 370 square kilometres (143 square mile) of forest and a marine area extending 5.5 kilometres (3.4 miles) out to sea.

The site provides habitat for 10 endemic plant species, 43 species of breeding land and water birds and 730 species of insects.

It was not affected by the spillage as the oil was found in particular locations within the bay according to officials of the Solomon Islands Environment and Conservation Ministry.

Nevertheless, the heavy fuel oil had dispersed across the island's shoreline contaminating the ecologically delicate area.

In the latest twist of events as reported by Radio New Zealand (RNZ) 'the Indonesian miner Bintan Mining Corporation, which chartered the stricken *MV Solomon Trader*, is suing the ship's owner King Trader Ltd'.

The mining company's spokesperson said, 'we will stand for the rights of the people of Rennell Bellona to hold the ship owner liable for the incident'.

An Australian academic and environmental management expert who has spent the last 15 years trying to help the Solomon Islands government and local communities with environmental management and protection, said that the oil spill in Rennell was not just an accident but an inevitable outcome of a broken system.

The RNZ news reported that 'questions of liability, inadequate legislation and corporate responsibility have been pored over again and again with the maritime incident being described by the country's Prime Minister as the worst man-made environmental disaster in recent times'.

[END]

(Adapted from: Australian Gov't - DFAT Press Release, RNZ, Solomon Star)

'One Ocean Hub' launched at USP Laucala Campus

The £22 million 'One Ocean Hub' research programme was officially launched in the Pacific at the University of the South Pacific's (USP) Laucala Campus on 22 February 2019.

The five year programme funded by the United Kingdom (UK) Research and Innovation's Global Challenges Research Fund involves more than 50 partners, including world leading research centres, development organisations, community representatives, governments and multiple UN agencies.



One Ocean Hub officials with the USP Vice-Chancellor & President and USP staff during the launch. (Image: USP News)

The One Ocean Hub programme is aimed at transforming the global response to the urgent challenges of oceans law, science and governance.

The USP researchers have been awarded an initial £1.6m to lead key areas of the research.

Professor Derrick Armstrong, USP's Deputy Vice Chancellor Research, Innovation and International, expressed the university's excitement and honour to be part of the project's inauguration.

He added that the interdisciplinary focus of the hub, combining ocean science, policy and art with a strong focus on community engagement and indigenous knowledge, includes a major feature of the innovative approach to engaging with tractable challenges.

Professor Armstrong congratulated the UK government for championing the visionary approach to these challenges and promoting collaboration between UK universities and universities and countries in the developing world.

The British High Commissioner to Fiji, Her Excellency Melanie Hopkins stated that the research grant will enable researchers from USP to partner with its One Ocean Hub teams as they work in addressing the urgent challenges of ocean law, science and governance.

Furthermore Her Excellency explained that 'this research will greatly assist in coral reef management and monitoring invasive marine species management, conservation of threatened and migratory marine species such as sea turtles and whales, waste management and pollution control'.

The One Ocean Hub programme is led by researchers from the University of Strathclyde in the UK. The Director of the Strathclyde Centre for Environmental Law & Governance with the Law School, Professor Elisa Morgera said that One Ocean Hub is committed to developing excellent research to the service of vulnerable communities, particularly those who are left out of decision making.

More info: <http://www.usp.ac.fj/news/story.php?id=3013>

FFA awarded top prize for global 'Stop IUU Fishing' Competition



The FFA team with their award in Bangkok, Thailand earlier this year. (Image: FFA)

The Pacific Islands Forum Fisheries Agency (FFA) was awarded the prize for the global 'Stop Illegal, Unreported and Unregulated Fishing' (IUU) competition at the 6th Global Fisheries Enforcement Training Workshop (GFETW) in Bangkok, Thailand.

The contest organised by the International Monitoring, Control and Surveillance (MCS) Network was initially launched in July 2012 and this year's winners were judged from nine applications.

The Committee of Judges is a balanced group of MCS experts and was chaired by Michele Kuruc, Vice President of Oceans Policy for the World Wildlife Fund-US.

The aim of the Stop IUU Fishing contest is to promote the efforts of the International Community to combat Illegal, Unreported and Unregulated fishing.

The International MCS Network has reported that losses from IUU fishing activity are estimated worldwide in a range of USD 10-23 billion annually and these activities undermine sustainable exploitation of living marine resources and destroy aquatic habitats.

The FFA Director-General Dr Tupou-Roosen congratulated the FFA team, past and present as well as FFA member countries and stressed that this award and achievement is recognition of the regional organisation's work in Monitoring, Control and Surveillance initiatives to deter IUU fishing in the Pacific.

"This award is a reflection of the work we do to protect the rights of FFA members over tuna within our Exclusive Economic Zones (EEZs), and the foundation of the economic and social benefits that flow from that. We have to ensure that there is long term sustainability of oceanic fish stocks to secure our peoples' future livelihoods and regional food security."

The FFA Director-General further added, 'The underpinning theme of FFA and the IUU strategy is our regional cooperation. That is our Pacific way and it is the only way we are going to ensure a successful, safe, secure and prosperous future for our region'.

The Acting Director for Fisheries Operations, Mr Allan Rahari while receiving the award on behalf of the FFA thanked the judges, the team at FFA and former staff as well as FFA member countries for their commitment and hard work.

The winning submission by the FFA can be viewed [here](#). Congratulations FFA!

[END]

(Adapted from: The International MCS Network web, FFA news)

News from around the region

Samoa and FFA sign agreement on regional aerial surveillance programme



Prime Minister of Samoa and Secretary-General of FFA, signing the MoU in Apia. (Image: FFA).

A Memorandum of Understanding (MoU) to formalise the Government of Samoa's support for the Pacific Islands Forum Fisheries Agency's (FFA) Regional Aerial Surveillance Programme was signed in February between Samoa's Prime Minister, Tuilaepa Malielegaoi and the Secretary-General of the FFA, Dr Manu Tupou-Roosen in Apia.

The Regional Air Surveillance Initiative is funded by the Government of Australia as part of the Pacific Maritime Security

Programme to enhance the surveillance capacity of Pacific Island countries to deter, detect and respond to illegal or security-related activities occurring in their Exclusive Economic Zones.

Under the MoU, Samoa will host one and Vanuatu the other, of two King Air200 aircrafts fitted with high-tech sensors, avionics and communications technologies, capable of detecting fishing vessels over a wide area of ocean. Dr Tupou-Roosen said the MoU with Samoa was another significant step forward.

"I wish to acknowledge the generous support of the Government of Australia to strengthen the surveillance capabilities of participating Members through the Pacific Maritime Security Program. This will enable the FFA to assist Pacific islands countries in further addressing maritime surveillance needs and enforcement operations," said Hon. Tuilaepa Malielegaoi.

"The surveillance programme, in conjunction with the Pacific Patrol Boat program, will provide targeted maritime patrolling and enhance the ability of Pacific island countries to defend against regional maritime security threats such as illegal fishing and transnational crime," he added.

"The Marshall Islands signed a similar agreement earlier this month and now Samoa is also demonstrating leadership with its willingness to host one of the King Aircraft. Our members are contributing to a new level of regional cooperation, with Australia funding the Program and the FFA Secretariat managing the planes and working in close consultation with Members," said, Dr. Tupou-Roosen.



At the signing of the MoU between the Government of Samoa and FFA in Apia. (Image: FFA).

The Regional Aerial Surveillance Program commenced in December 2017. Two King Air aircrafts will provide 1400 hours of aerial surveillance per year for 15 FFA members.

(Reprinted from the MoU parties – Joint Media Release via FFA)

Cook Islands Ministry of Marine Resources conducts workshop on fisheries harvest strategies

A two-day workshop on harvest strategy approach to tuna fisheries management was organised by the Cook Islands Ministry of Marine Resources (MMR), Tu'anga o te Pae Moana in early May.

The workshop was led by Dr Stephen Brouwer of the Pacific Community's (SPC) Oceanic Fisheries Programme, and involved experts from the Pacific Islands Forum Fisheries Agency (FFA), Dr Wetjens Dimmlich, the International Seafood Sustainability Foundation's (ISSF), Dr Victor Restrepo and SPC's Dr Finlay Scott and Dr Nan Yao.

As reported by the Cook Islands News (CIN), Dr Brouwer says that harvest strategies are a way for stakeholders to define what they want for their fishery and that the time is right to introduce this approach as the Pacific's main tuna stocks are in a healthy condition.

Furthermore, the tuna management system is variable at the moment and using a harvest strategy approach will help with getting to where you want to be in the future as these strategies are stakeholder led, improves transparency and flexible (can change if conditions in the fishery change).

He added, "this means everybody knows what you are trying to achieve – all the different groups that are fishing or managing the resource, the non-government organisations (NGOs), a fishing company or a government – you all know where you are trying to get to," said Dr Brouwer.

According to several reports including the Australian Fisheries Management Authority (AFMA) website, "the aim of a harvest strategy is to maintain commercial fish stocks at environmentally sustainable levels and to maximise the economic returns to the local communities. A harvest strategy also gives the fishing industry a more reliable operating environment.

The Western and Central Pacific Fisheries Commission (WCPFC) also has harvest strategies in place including one for Bigeye, Skipjack and Yellowfin Tuna.

The CIN reported that harvest strategies are emerging as the next innovation in fisheries management and they incorporate existing tools such as monitoring programmes and reference points, providing an improved 'lens' through which stakeholders and managers can determine the best path forward for the fish and fishery.

Harvest control rules are the operational component of a harvest strategy, essentially pre-agreed guidelines that determine how much fishing can take place, based on indicators of the targeted stock's status.



A participant during the workshop in Cook Islands. (Image: Cook Islands News).

(Adapted from: Cook Islands News, www.afma.gov.au, www.wcpfc.int)

Fiji extends 10 year ban on harvest and sale of sea turtles



Community children with a large green turtle for tagging. (Image: WWF-Pacific)

The 10 year ban on the harvest, sale, possession and transport of sea turtles, their eggs or any part of a sea turtle in Fiji has been extended after the Fisheries Moratorium in place from 2010 to December 2018 expired.

The Fiji Ministries of Fisheries issued the public notice earlier this year and it covers 5 species of sea turtles which are: Leatherback (Vonu Tutuwalu), Green sea turtle (Vonu Dina), Loggerhead sea turtle (Tuvonu), Hawksbill (Vonu Taku) and Olive Ridley sea turtle (Vonu Damu).

The five listed species of sea turtles covered under the ban are the common species currently found in Fiji waters which are listed internationally as vulnerable, endangered or critically endangered.

Furthermore, the current provisions of the Offshore Fisheries Management Regulations (OFMR), do not allow for any exemptions to

this ban nor for permits to be issued by the Ministry for the harvest of sea turtles under any circumstances.

However, the notice confirmed that the permit process will resume after April (2019) when the current sea turtle nesting season is over, and when the current CFMR legislation is updated to enable the issuance of permits especially for limited cultural harvest by local i-Taukei communities.

Penalties imposed for any breaches of this ban are for individuals (from FJD 10,000 up to 50,000) and corporations (from FJD 20,000 to 100,000).

The success of the earlier moratorium on sea turtles in Fiji as observed and reported by local marine researchers and Non-Government Organisations (NGOs), has encouraged the extension of the ban.

A World Wide Fund – Pacific post in 2018 on turtle conservation in Fiji, stated that a turtle monitoring expedition by its researchers in 2014 showed that the foraging (feeding) and nesting numbers of turtles had increased since 2011.

The 2018 post by the WWF-Pacific reported that there were around 80 turtle monitors campaigning for turtle protection in Macuata, Lomaiviti and Serua provinces.

[END]

(Adapted from: Fiji Ministry of Fisheries – Public Notice, WWF-Pacific web)

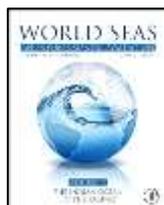
New Additions to PIMRIS (Lower Campus) Library



The world's oceans: geography, history, and environment / edited by R. Buschmann & L. Nolde. Santa Barbara: ABC-CLIO, c2018. ISBN: 9781440843518.

This single-volume resource explores the five major oceans of the world, addressing current issues such as sea rise and climate change and explaining the significance of the oceans from historical, geographic, and cultural perspectives.

<https://www.amazon.com/Worlds-Oceans-Geography-History-Environment/dp/1440843511>



World seas: an environmental evaluation – Vol.II / edited by C. Sheppard. 2nd ed. London, UK: Academic Press, c2019. ISBN: 9780081008539.

This book provides a comprehensive review of the environmental condition of the seas from the Indian Ocean to the Pacific.

<https://www.elsevier.com/books/world-seas-an-environmental-evaluation/sheppard/978-0-08-100853-9>



Biophysically special, unique marine areas of Fiji / by Sykes, H. [et al.]. Suva: MACBIO – Wildlife Conservation Society, c2018.

This report outlines the process undertaken to define and describe the special, unique marine areas of Fiji. These special, unique marine areas provide an important input to decisions about, for example, permits, licenses,

<http://macbio-pacific.info/Resources/biophysically-special-unique-marine-areas-of-fiji/>



The State of World Fisheries and Aquaculture 2018 (SOFIA): Meeting the Sustainable Development Goals / edited by FAO. Rome: FAO, © 2018. ISBN: 9789251305621.

The report emphasizes the fisheries and aquaculture sector's role in achieving the 2030 Agenda and measuring progress towards these goals.

<https://www.amazon.com/State-World-Fisheries-Aquaculture-SOFIA/dp/9251305625>



The sea floor : an introduction to marine geology / by Seibold, E. & Berger, W. 4th ed. Switzerland: Springer, c2017. ISBN: 9783319514116.

This textbook deals with the most important items in Marine Geology, including some pioneer work. The list of topics has grown greatly in the last few decades... and now includes prominently such things as methane and climate change...

<https://www.vitalsource.com/products/the-sea-floor-eugen-seibold-wolfgang-berger-v9783319514123>



The future of ocean governance and capacity development : essays in honor of Elisabeth Mann Borgese (1918-2002) / edited by International Ocean Institute-Canada. The Netherlands: Brill/Nijhoff, c2018. ISBN: 9789004363977.

This collection of over 80 insightful essays on the future of ocean governance and capacity development honors the work of Elisabeth Mann Borgese (1918-2002), preeminent ocean advocate and founder of the IOI.

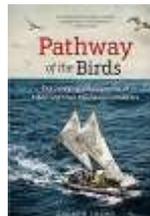
<https://brill.com/view/title/36420>



Tropical Pacific Island environments / by C. S. Lobban [et al.]. 2nd ed. Honolulu, HI: Bess Press, c2014. ISBN: 9781573064620.

Tropical Pacific Island Environments is the most up-to-date academic text detailing the terrestrial, aquatic, land, and general biological and environmental ecosystems found throughout the Pacific Ocean.

https://books.google.com.fj/books/about/Tropical_Pacific_Island_Environments.html?id=judngEACAAJ&source=kp_book_description&redir_esc=y



Pathway of the birds : the voyaging achievements of Maori and their Polynesian ancestors / by Crowe, A. Honolulu, HI: Univ. of Hawaii Press, c2018. ISBN: 9780824878658.

Pathway of the Birds is the first major summary of Polynesian voyaging since *Vikings of the Sunrise* (1938) and *Vaka Moana* (2006).

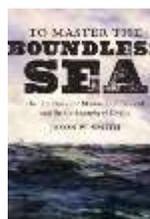
<https://www.amazon.com/Pathway-Birds-Achievements-Polynesian-Ancestors/dp/0824878655>



The Routledge international handbook of island studies : a world of islands / by Baldacchino, G. London: Routledge, c2018. ISBN: 9781472483386.

This book is a global, research-based and pluri-disciplinary overview of the study of islands. Its chapters deal with the contribution of islands to literature, social science and natural science, as well as other applied areas of inquiry

<https://www.crcpress.com/The-Routledge-International-Handbook-of-Island-Studies-A-World-of-Islands/Baldacchino/p/book/9781472483386>



To master the boundless sea / Smith, J. W. Chapel Hill: Univ. of North Carolina, c2018. ISBN: 9780915809073.

In vividly told sketches of exploration, naval officers, war, and, most significantly, the ocean environment, Smith draws together insights from environmental, maritime, military, and naval history, and the history of science and cartography...

<https://www.vitalsource.com/za/products/to-master-the-boundless-sea-jason-w-smith-v9781469640457>



Exploring sustainable development goal 14.b and its proposed indicator 14.b.1 : workshop proceedings, 28-29 November 2017 / edited by N. Franz.. Rome: FAO, c2018. ISBN: 9789251307281.

The workshop explored the indicator methodology and related issues on data and information sources, analysis and reporting – including the use of an e-learning platform...

<https://www.amazon.com/Exploring-Sustainable-Development-Proposed-Indicator/dp/9251307288>



Report of the technical consultation on marking of fishing gear / FAO. Rome: FAO, c2018. ISBN: 9789251307557.

The technical consultation worked towards concluding the development of DRAFT Voluntary Guidelines on the marking of fishing gear. The Technical Consultation reviewed and finalized the scope of the guidelines...

<http://www.fao.org/3/CA0196EN/ca0196en.pdf>

Conferences, Workshops & Events Jul – Dec 2019

- 23 – 25 Jul **Workshop on UN Decade of Ocean Science for Sustainable Development.** Noumea, New Caledonia.
Web: <https://www.spc.int/events/workshop-on-un-decade-of-ocean-science-for-sustainable-development>
- 3 – 6 Aug **The Pacific Islands Forum Fisheries Agency (FFA) – Science Working Group Meeting,** Pohnpei, Federated States of Micronesia.
Web: <https://www.ffa.int/node/2182>
- 12 – 20 Aug **15th Regular Session of the WPCFC Scientific Committee (WPCFC15),** Pohnpei, Federated States of Micronesia. Web: <https://www.ffa.int/calendar>
- 22 – 23 Aug **The 6th International Conference on Fisheries & Aquaculture,** Bangkok, Thailand. Theme: *Sustainable Aquaculture: Nutritional Security and Exports.* Web: <https://aquaconference.com/>
- 27 – 28 Sept **15th World Congress, Aquaculture & Fisheries.** Theme: 'Exploring Emerging Innovations, Hong Kong.
Web: <https://aquaculturecongress.conferenceseries.com/>
- 14 – 15 Oct **16th World Congress, Aquaculture & Fisheries,** Theme: Innovative Aquaculture under Challenges. Singapore.
Web: <https://aquaculturemeet.insightconferences.com/>
- 5 – 11 Dec **16th Regular Session of the WPCFC Scientific Committee (WPCFC16) –** Port Moresby, Papua New Guinea.
Web: <https://www.ffa.int/calendar>
- 2 – 13 Dec **UN Climate Change Conference (UNFCCC COP25),** Chile.
Web: <https://cop25.cl/en/index.html>