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**WORLD
OCEANS
DAY 2021**

Selected Bibliography of Ocean-Related Research

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World Oceans Day 2021: A bibliography

We celebrate World Oceans Day to remind everyone of the major role the oceans have in everyday life. They are the lungs of our planet, providing most of the oxygen we breathe. The purpose of the Day is to inform the public of the impact of human actions on the ocean, develop a worldwide movement of citizens for the ocean, and mobilize and unite the world's population on a project for the sustainable management of the world's oceans. They are a major source of food and medicines and a critical part of the biosphere. In the end, it is a day to celebrate together the beauty, the wealth and the promise of the ocean.

By its [resolution 63/111](#) (link is external) of 5 December 2008, the UN General Assembly designated 8 June as [World Oceans Day](#). “The Ocean: Life and Livelihoods” is the theme for World Oceans Day 2021, as well as a declaration of intentions that launches a decade of challenges to get the Sustainable Development Goal 14, “Conserve and sustainably use the oceans, seas and marine resources”, by 2030.



Blue economy and fisheries

Healthy oceans, coasts and freshwater ecosystems are crucial for economic growth and food production. Billions of people worldwide rely on healthy oceans as a source of jobs and food, underscoring the urgent need to sustainably use, manage and protect this natural resource.

Christophersen G., Bakke S. and Sunde J. 2021. Norwegian red sea cucumber (*Parastichopus Tremulus*) fishery and aquaculture north of 60°N latitude: Feasible or fictional? SPC Beche-de-mer Information Bulletin 41:25–36. Available at: <http://purl.org/spc/digilib/doc/fvfxj>

European Commission. 2021. The EU blue economy report 2021. Luxembourg: Publications Office of the European Union. Available at: https://ec.europa.eu/oceans-and-fisheries/system/files/2021-05/the-eu-blue-economy-report-2021_en.pdf (Accessed 1 June 2021)

Murphy N.E., Skewes T.D. and Plagányi É.E. Updated conversion ratios for beche-de-mer species in Torres Strait, Australia. SPC Beche-de-mer Information Bulletin 41: 5–7. Available at: <http://purl.org/spc/digilib/doc/hdksb>

Pacific Community. 2021. Transposition à grande échelle de la gestion communautaire des pêches en Océanie. Noumea, New Caledonia: Pacific Community. Available at: <http://purl.org/spc/digilib/doc/zipk3>

Prince J., Smith A., Rafe M., Seeto S. and Higgs J. 2020. ‘Élaboration d’un système pérenne de tailles minimales de capture pour préserver les ressources halieutiques côtières des Îles Salomon’. Lettre d’information sur les pêches 163:45–56. Available at: <http://purl.org/spc/digilib/doc/hteyz>

Rodríguez-Forero A. 2021. The sea cucumber and its role in the blue economy in Colombia. SPC Beche-de-mer Information Bulletin 44:66–68. Available at: <http://purl.org/spc/digilib/doc/pxcgz>

Shedrawi G. et al. 2021. The status of sea cucumber populations in Samoa in 2019. Noumea, New Caledonia: Pacific Community. Available at: <http://purl.org/spc/digilib/doc/isb9p>

The World Bank. 2021. Engagements in fisheries and sustainable ocean economy in the Pacific. External information paper 1. 4th SPC Regional Technical Meeting on Coastal Fisheries. Pacific Community. Available at: <http://purl.org/spc/digilib/doc/z5hwm>

United Nations Conference on Trade and Development. 2019. Advancing sustainable development goal 14: sustainable fish, seafood value chains, trade and climate. Geneva: United Nations Conference on Trade and Development. Available at: <https://www.un-ilibrary.org/content/books/9789210046961> (Accessed June 1, 2021)

United Nations Conference on Trade and Development. 2021. Towards a harmonized international trade classification for the development of sustainable ocean-based economies. Geneva: United Nations Conference on Trade and Development. Available at: https://unctad.org/system/files/official-document/ditcted2020d4_en.pdf. (Accessed 1 June 2021)

Whitford J. and Pickering T. 2020. SPC supports the establishment of Va’ulele Yaubula, the first community-owned pearl-meat farm in Fiji. SPC Fisheries Newsletter 163:7–8. Available at: <http://purl.org/spc/digilib/doc/xq9kv>



Climate and oceans

The ocean and coasts provide critical ecosystem services such as carbon storage, oxygen generation, food and income generation. But at the front line of climate change, the ocean, the coastlines and coastal communities are being disproportionately impacted by increasing carbon dioxide (CO₂) and other greenhouse gas (GHG) emissions from human activities. The sustainable management, conservation and restoration of coastal and marine ecosystems are vital to support the continued provision of carbon sequestration and other ecosystem services on which people depend.

Bosserelle P., Halford A., Lemari L. and Ishiguro K. 2021. Monitoring the vulnerability and adaptation of coastal fisheries to climate change – Majuro Atoll, Republic of the Marshall Islands. Noumea, New Caledonia: Pacific Community. Available at: <http://purl.org/spc/digilib/doc/pux8v>

Commonwealth Marine Fisheries Programme. 2018. Effects of Climate Change on Ocean Fisheries Relevant to the Pacific Islands. Noumea: Pacific Community. Available at: https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/714536/11_Oceanic_Fisheries.pdf (Accessed 1 June 2021)

Donovan M.G. and Mycoo M. 2017. A blue urban agenda: adapting to climate change in the coastal cities of Caribbean and Pacific small island developing states. Washington, DC: Inter-American Development Bank. Available at: <https://publications.iadb.org/publications/english/document/A-Blue-Urban-Agenda--Adapting-to-Climate-Change-in-the-Coastal-Cities-of-Caribbean-and-Pacific-Small-Island-Developing-States.pdf>. (Accessed 1 June 2021)

Nicol, S. 2021. Climate change and fisheries: Working Paper No. 6 for the 13th Heads of Fisheries Meeting, 1-4 June 2021. Noumea, New Caledonia: Pacific Community. Available at: <http://purl.org/spc/digilib/doc/twu4u> (English, Accessed 1 June 2021) and <http://purl.org/spc/digilib/doc/bhwwz> (Français, 1 June 2021).

Secretariat of the Pacific Community. 2014. A. Rising oceans, changing lives: final report. Suva, Fiji: Secretariat of Pacific Community. Available at: <http://purl.org/spc/digilib/doc/hp5gi>



Coastal and marine risk mitigation

The coast is a dynamic and constantly changing environment that is incredibly productive both ecologically and economically. Irrespective of the contribution of climate change, uncertainty exists in the coastal zone about the magnitude, frequency and extent of impact from both natural and human-induced hazards. Preparedness and investment are key to mitigating the risks and a coordinated and planned investment provides solutions for both short-term damage and long-term development efforts.

Baleilevuka A. et al. 2013. Oceanographic assessment, Rangiroa, Kauehi, Arutua, Apataki and Manihi, French Polynesia. Suva, Fiji: Secretariat of Pacific Community. Published report. Available at: <http://purl.org/spc/digilib/doc/qzm59>

Baleilevuka A. et al. 2014. B 1: Physical resources. 1.4: Benthic habitat mapping. Assessing vulnerability and adaptation to sea-level rise: Lifuka Island, Ha'apai, Tonga. Suva, Fiji: Secretariat of Pacific Community. <http://purl.org/spc/digilib/doc/8xfwo>

Begg Z. and Krüger J. 2014. B 1: Physical resources. 1.1: Shoreline assessment. Assessing vulnerability and adaptation to sea-level rise: Lifuka Island, Ha'apai, Tonga. Suva, Fiji: Secretariat of Pacific Community. Available at: <http://purl.org/spc/digilib/doc/b9dzz>

Begg Z., Krüger J. and Baleilevuka A. 2015. Bonriki inundation vulnerability assessment: Oceanographic data acquisition. Secretariat of Pacific Community. SPC Technical Report. Available at: <http://purl.org/spc/digilib/doc/zna8i>

Bosserelle C., Lal D. et al. 2016. Waves and Coasts in the Pacific (WACOP). Fatato (Tuvalu), Oceanographic and topographic data collection. Suva, Fiji: Pacific Community. SPC technical report. Available at: <http://purl.org/spc/digilib/doc/zej3q>

Bosserelle C., Pohler S. et al. 2016. Waves and Coasts in the Pacific (WACOP). Maui Bay (Fiji), Bathymetric and topographic data collection. Suva, Fiji: Pacific Community. SPC technical report. Available at: <http://purl.org/spc/digilib/doc/5bvze>

Damlamian H. et al. 2015. Bonriki inundation vulnerability assessment: Inundation modelling of Bonriki Islet, Tarawa, Kiribati. Suva, Fiji: Secretariat of Pacific Community. Available at: <http://purl.org/spc/digilib/doc/c5gdd>

Greenhalgh S. et al. 2018. Mangrove restoration: An overview of the benefits and costs of restoration. Prepared as part of the RESCCUE-SPC Fiji Project. Suva, Fiji: University of the South Pacific. Available at: <http://purl.org/spc/digilib/doc/z6r5q>

Grujovic A., Holland P. and Rios Wilks A. 2014. C. Vulnerability and hazard assessment. 3.0 Preliminary economic analysis of adaptation strategies to coastal erosion and inundation. Volume 1 — Least cost analysis. Assessing vulnerability and adaptation to sea-level rise: Lifuka Island, Ha'apai, Tonga. Suva, Fiji: Secretariat of Pacific Community. Available at: <http://purl.org/spc/digilib/doc/75jzf>

Krüger J. et al. 2014. D: Adaptation options and community strategies report. Assessing vulnerability and adaptation to sea-level rise: Lifuka Island, Ha'apai, Tonga. Suva, Fiji: Secretariat of Pacific Community. Available at: <http://purl.org/spc/digilib/doc/2w5k4>

Krüger J., and Begg Z. 2011. Coastal processes at Port of Ronton, Kiritimati Islands, Kiribati. SPC technical report. Suva, Fiji: Secretariat of Pacific Community. Available at: <http://purl.org/spc/digilib/doc/pb8cz>.

Kumar S. et al. 2013. Multibeam bathymetry survey, Rangiroa, French Polynesia. SPC technical report. Suva, Fiji: Secretariat of Pacific Community. Available at: <http://purl.org/spc/digilib/doc/2zmoo>

Raj A., Damlamian H. and Krüger J. 2015. Bonriki inundation vulnerability assessment: shoreline change mapping. SPC technical report. Secretariat of Pacific Community. Available at: <http://purl.org/spc/digilib/doc/zvw8d>

Smith R. 2016a. Multibeam bathymetric and seismic survey, Lomaloma Port, Lomaloma, Vanua Balavu, Lau, Fiji. SPC technical report. Suva, Fiji: Pacific Community. Available at: <http://purl.org/spc/digilib/doc/kohme>

Smith R. 2016b. Multibeam bathymetric and seismic survey, Natovi Port, Northeast Viti Levu, Fiji. SPC technical report. Suva, Fiji: Pacific Community. Available at: <http://purl.org/spc/digilib/doc/b7xhi>

Wandres M. et al. 2020. Distant-Source Swells Cause Coastal Inundation on Fiji's Coral Coast. *Frontiers in Marine Science* 7: 546. Available at: <https://www.frontiersin.org/articles/10.3389/fmars.2020.00546/full> (Accessed 1 June 2021)



Food security and oceans

Ten per cent of the world's population depends on the ocean for a readily accessible source of protein and employment. Coastal ecosystems and the communities that rely upon them are facing extreme challenges of increases in ocean pollution, loss of habitat, ocean warming and changes in ocean productivity. With the whole system under mounting pressure, governments need to scale down the level of food security analyses to the coastal community level to avoid overseeing rising levels of food insecurity.

Halavatau S. 2018. Growing root crops on atolls. Suva, Fiji: Pacific Community. Available at: <http://purl.org/spc/digilib/doc/dz3j8>

Morrell W.J. 2010. Pacific food security toolkit. Building resilience to climate change: root crop and fishery production. Rome: Food and Agriculture Organization of the United Nations. Available at: <http://purl.org/spc/digilib/doc/zd8k5>

Pacific Community. 2021. Food systems and the Pacific region: evidence brief for the UN Food Systems Summit Dialogues. Available at: <http://purl.org/spc/digilib/doc/y5hr8>

Sinclair P. et al. 2021. Small Islands Food and Water Project SIFWaP: preparatory study on water security and hydrology. Suva, Fiji: Pacific Community. Available at: <http://purl.org/spc/digilib/doc/grvnp>



Gender equality and oceans

Women engage in all aspects of ocean interaction, yet in many parts of the world, women's contribution, both towards ocean-based livelihoods like fishing and conservation efforts are invisible and gender inequality persists across the sector, from the marine industry to the field of ocean science.

Barclay K. et al. (eds) 2021. Pacific handbook for gender equity and social inclusion in coastal fisheries and aquaculture. 2nd ed. Noumea, New Caledonia: Pacific Community. Available at: <http://purl.org/spc/digilib/doc/mav7c>

Campbell S.J. et al. 2021. Gender-inclusive financial literacy strategies: unlocking the value of small-scale fishing communities. SPC Women in Fisheries Information Bulletin 33:37–47. Available at: <http://purl.org/spc/digilib/doc/o7qbs>

Gotschall I. 2021. An overview of i-Kiribati women in fisheries. SPC Women in Fisheries Information Bulletin 33:31–36. Available at: <http://purl.org/spc/digilib/doc/kiuph>

Graham A. and D'Andrea A. 2021. Gender and human rights in coastal fisheries and aquaculture: A comparative analysis of legislation in Fiji, Kiribati, Samoa, Solomon Islands, Tonga and Vanuatu. Noumea, New Caledonia: Pacific Community. Available at: <http://purl.org/spc/digilib/doc/zz6mn>

Makhoul N. 2021. A summary of key issues from the Cook Islands gender and fisheries assessment. SPC Women in Fisheries Information Bulletin 33:16–21. Available at: <http://purl.org/spc/digilib/doc/zzky6>

Mangubhai S. and Lawless S. 2021. How is gender included in small-scale fisheries management and development? SPC Women in Fisheries Information Bulletin 33:22–30. Available at: <http://purl.org/spc/digilib/doc/4t4c6>

Vitukawalu B., Ciriyaawa A., Batibasaga R. and Ma F. 2021. Enhancing knowledge and skills of Fijian women seafood vendors. SPC Women in Fisheries Information Bulletin 33:56–59. Available at: <http://purl.org/spc/digilib/doc/m5guy>



Sustainable oceans

Adopting more sustainable ways of managing the ocean is a global priority; protecting its health will bring benefits to all. Developing countries face specific challenges as many depend heavily on ocean-based industries and are overly exposed to the consequences of ocean degradation. Enhancing their access to science, policy advice and financing would allow them to tap better into the opportunities of a more sustainable ocean economy, including more decent jobs, cleaner energy, improved food security and enhanced resilience, while contributing to the protection of the world's ocean.

IOC-UNESCO. 2019. The science we need for the ocean we want. United Nations Educational, Scientific and Cultural Organization. Intergovernmental Oceanographic Commission brochure. Available at: <http://purl.org/spc/digilib/doc/apzhu>

Isensee K. (ed.) 2020. Global ocean science report 2020: Charting capacity for ocean sustainability. Paris: UNESCO Publishing. Available at: <https://unesdoc.unesco.org/ark:/48223/pf0000375147> (Accessed 1 June 2021)

Pacific Islands Forum Secretariat. 2020. The 2020 biennial Pacific sustainable development report. Suva, Fiji: Pacific Islands Forum Secretariat. Available at: <https://www.forumsec.org/wp-content/uploads/2020/12/2020-Biennial-Pacific-Sustainable-Development-Report.pdf> (Accessed 1 June 2021)

