

## THE OCEAN: A GLOBAL CHALLENGE AND A PLANETARY SOLUTION

### Bibliography

- **Abbott, J.K., Leonard, B., & Garber-Yonts, B. (2022).** "The distributional outcomes of rights-based management in fisheries". *Proceedings of the National Academy of Sciences* 119, no 2: e2109154119. <https://doi.org/10.1073/pnas.2109154119>.
- **Adelaide Ferreira, M., & al. (2022).** "The Need for a Global Ocean Vision Within Biodiversity Beyond National Jurisdiction: A Key Role for Strategic Environmental Assessment", *Frontiers in Marine Science*. DOI: 10.3389/fmars.2022.878077.
- **Aït-El-Hadj, S. (2013).** "Characteristics of Naval War, 18th and 19th Centuries". *Innovations*, 42(3), 237-247. <https://www.cairn.info/revue-innovations-2013-3-page-237.htm>.
- **Alder J., & Wood L. (2004).** "Managing and protecting seamounts." in: *Seamounts: biodiversity and fisheries*, T. Morato and D. Pauly eds., 67-73.
- **Allianz. (2022).** "Safety and Shipping Review 2022 | AGCS". <https://www.agcs.allianz.com/news-and-insights/reports/shipping-safety.html>.
- **Allison E.H. (2011).** "Aquaculture, Fisheries, Poverty and Food Security", Working Paper 2011-65. The WorldFish Center, [http://pubs.iclarm.net/resource\\_centre/WF\\_2971.pdf](http://pubs.iclarm.net/resource_centre/WF_2971.pdf).
- **Altieri, A.H., & Gedan, K.B. (2014).** "Climate Change and Dead zones." *Global change biology*, DOI: 10.1111/gcb.12754.
- **Amara, R. (2011).** "Impact de l'anthropisation sur la biodiversité et le fonctionnement des écosystèmes marins. Exemple de la Manche-mer du nord" [archive], *VertigO - la revue électronique en sciences de l'environnement*, Hors-série 9.

- **Attali, J. (2020).** "The Economics of Life: Preparing for What's Coming." Paris: Fayard.
- **Aubert, J.E. (2021).** "The sea and the people", MOOC Sustainable blue economy, maritimization and the ocean, module 1.
- **BÄHR, U., (2018).** "ATLAS OF THE OCEAN 2018. Facts and figures on the threats to our marine ecosystems." French-language ed. Heinrich-Böll-Stiftung.
- **Baloglanov, E.E., Abbasov, O.R., & Akhundov, R.V. (2018).** "Mud volcanoes of the world: Classifications, Activities and Environmental hazard." (Informational-analytical review) European Journal of Natural History N° 5.
- **Banque Mondiale. (2022).** "Rapport de Suivi de la Situation Économique au Maroc : La Reprise Économique Tourne à Sec." Washington D.C.: World Bank Group. <https://documents.worldbank.org/en/publication/documents-reports/documentdetail/099535407192214846/IDU0caefa0c4081d3049be0a03b0ec8d7365fab3>.
- **Barron, G. (2012).** "Pâris, mobilis in mobile?" (section "Essay on the naval construction of extra-European peoples"), Hypotheses / Marine, science, technique (academic blog). <https://paris.hypotheses.org/tag/mobilite>.
- **Beaugrand, G., Conversi, A., Atkinson, A., Cloern, J., Chiba, S., Fonda-Umani, S., Kirby, R. R., Greene, C. H., Goberville, E., Otto, S. A., Reid, P. C., Stemmann, L., & Edwards, M. (2019).** "Prediction of unprecedented biological shifts in the global ocean, Nature Climate Change", 9 (3):237-243, <https://doi.org/10.1038/s41558-019-0420-1>.
- **Benjamin, S.H., Kulp, S.A., Rasmussen, D.J., & Levermann, A. (2021).** "Unprecedented Threats to Cities from Multi-Century Sea Level Rise". Environmental Research Letters 16, no 11: 114015. <https://doi.org/10.1088/1748-9326/ac2e6b>.
- **Benmakhlof, M. (2021).** "The vaquita, the world's rarest cetacean, is disappearing". National Geographic.
- **Benson, D., & Andrew J. (2014).** "Subsidiarity as a "scaling Device" in Environmental Governance: The Case of the European Union". In Multilevel Environmental Governance, édité par Inger Weibust et James Meadowcroft, Edward Elgar Publishing., 39 57. Social And Political Science. Cheltenham, UK. <https://www.elgaronline.com/view/edcoll/9780857939241/9780857939241.00012.xml>.

- **Benthuyzen, J. A., Oliver, E. C., Chen, K., & Wernberg, T. (2020).** "Advances in understanding marine heatwaves and their impacts". *Frontiers in Marine Science*, 147.
- **Berger, A., France Loutre, M. (2004).** "Astronomical theory of paleoclimates". *C. R. Geoscience* 336 (2004) 701-709.
- **Berkowitz, H., & Dumez, H. (2017).** "Racket in the Oceans : Why Underwater Noise Matters, how to Measure it, and how to Manage it". i3-Centre de Recherche en Gestion (École polytechnique - CNRS) ; Observatoire de l'Innovation Responsable (Mines ParisTech). <https://hal.archives-ouvertes.fr/hal-01486973>.
- **Bharadwaj, R., Chakravarti, D., Karthikeyan, N., Hazra, S., Daniel, U., Topno, J., and Abhilashi, R. (2022).** "Climate change, migration and vulnerability to trafficking." IIED Working Paper, IIED, London.
- **Biodiversity Science Assessment Team (Canada). (1994).** "Biodiversity in Canada: A Science Assessment for Environment Canada". Environment Canada.
- **Blasiak, R., Jouffray J.B., Wabnitz, C.C.C., Sundström, E., & Österblom, H. (2018).** "Corporate control and global governance of marine genetic resources". *Science Advances* 4, no 6: eaar5237. <https://doi.org/10.1126/sciadv.aar5237>.
- **Blei, D. (2016).** "Inventing the Beach: The Unnatural History of a Natural Place". *Smithsonian magazine*, June, 23.
- **Blue Plan Notes. (2021).** "Maritime Transport In The Mediterranean: Current Status And Challenges".
- **Boers, N. (2021).** "Observation-based early-warning signals for a collapse of the Atlantic Meridional Overturning Circulation." *Nat. Clim. Chang.* 11, 680–688. <https://doi.org/10.1038/s41558-021-01097-4>; Caesar, L., McCarthy, G.D., Thornalley, D.J.R. et al. Current Atlantic Meridional Overturning Circulation weakest in last millennium. *Nat. Geosci.* 14, 118–120 (2021). <https://doi.org/10.1038/s41561-021-00699-z>.
- **Bœuf, G. (2011).** "Marine biodiversity characteristics", *Comptes Rendus Biologies*, vol. 334, nos 5-6, p. 435-440 (DOI 10.1016/j.crv.2011.02.009).
- **Bonnett, A. (2020).** "Elsewhere: A journey into our age of islands". University of Chicago Press.

- **Bonnett, Alastair.** Elsewhere: A Journey into Our Age of Islands. Chicago: University of Chicago Press, 2021.
- **Bouchet P., & Cayre P. (2005).** "Richness and fragility of marine biodiversity: seamounts and coral reefs." in: Biodiversity and global change: societal issues and research challenges. R. Barbault and B. Chevassus-au-Louis (ed.), A. Teysseire (coord.), Paris: ADPF, 73-74. Biodiversity, Science and Governance, World Conference, Paris (FRA).
- **Boyce, D., Lewis, M. & Worm, B. (2010).** "Global phytoplankton decline over the past century." *Nature* 466, 591–596. <https://doi.org/10.1038/nature09268>.
- **Braudel, F. (1967).** "Civilisation matérielle, économie et capitalisme", XVe-XVIIIe siècle, Paris, Armand Colin.
- **Callum M.R., McClean, C.J., Veron, J.E.N., Hawkins, J.P., Allen, G.R., McAllister, D.E., Mittermeier, C.G., Schueler, F.W., Spalding, M., Wells, F., Vynne, C., Werner, T.B. (2002).** "Marine Biodiversity Hotspots and Conservation Priorities for Tropical Reefs"; *Science*: Vol. 295. no. 5558, pp. 1280 – 1284 DOI: 10.1126/science.1067728.
- **Campana, S. E., Stefánsdóttir, R. B., Jakobsdóttir, K., & Sólmundsson, J. (2020).** "Shifting fish distributions in warming sub-Arctic oceans". *Scientific Reports*, 10(1), 1-14. <https://doi.org/10.1038/s41598-020-73444-y>
- **Capet, A., Beckers, J.M., Barth, A., & Gregoire, M. (2013).** "Drivers, Mechanisms and Long-Term Variability of Seasonal Hypoxia on the Black Sea Northwestern Shelf – Is there any Recovery after Eutrophication?" *Biogeosciences*, 10, 3943-3962.
- **Carson, R. (2019).** "The Sea Around Us." New York: Oxford University Press, USA, 1951; Carson, Rachel, et Daniel Pauly. *La Mer autour de nous*. 1ère édition. Wildproject Éditions.
- **Carugati, L., Gatto, B., Rastelli, E., Martire, M.Lo., Coral, C., Greco, S., & Danovaro, R. (2018).** "Impact of mangrove forests degradation on biodiversity and ecosystem functioning", *Scientific Report* 8:13298, DOI:10.1038/s41598-018-31683-0.
- **Causse, C. (2018).** "L'océan se réchauffe." Fiche 2. [https://www.aquarium-tropical.fr/sites/default/files/atoms/files/locean\\_se\\_rechauffe.pdf](https://www.aquarium-tropical.fr/sites/default/files/atoms/files/locean_se_rechauffe.pdf).
- **Cazenave A., Dieng H., Meyssignac B., Von Schuckmann K., Decharme B. & Berthier E. (2014).** "The Rate of Sea Level Rise. " *Nature Climate Change*, vol 4, doi:10.1038/NCLIMATE2159.

- **Cazenave A., Palanisamy H. and ABLAIN M., (2018).** "Contemporary Sea Level Changes from Satellite Altimetry: what Have we Learned? What Are the New Challenges?" *Advances in Space Research*, 62:1639–1653, doi :10.1016/j.asr.2018.07.017.
- **Ceramicola, S., Dupré S., Somoza, L., & Woodside, J. (2018).** "Cold Seep Systems." DOI: 10.1007/978-3-319-57852-1\_19, In book: *Submarine Geomorphology* Publisher: Springer.
- **César, D. (2004).** "Port cities, laboratories of globalization." *Geography*. University of Le Havre.
- **Charlson J., James E.L., Meinrat O.A., & Warren S.G. (1987).** "Oceanic phytoplankton, atmospheric sulphur, cloud albedo and climate", *Nature*, no 326, p. 655–661.
- **Chorus, I., Fastner, J., & Welker, M. (2021).** "Cyanobacteria and Cyanotoxins in a Changing Environment: Concepts, Controversies, Challenges". *Water* 13, no 18: 2463. <https://doi.org/10.3390/w13182463>.
- **Chouinard, O., Baztan, J., & Vanderlinden, J.P. (2011).** "Coastal zones and climate change: the challenge of integrated management. *Géographie contemporaine*." Quebec City: Presses de l'Université du Québec.
- **Christiansen, S. & al. (2022).** "Towards an Ecosystem Approach to Management in Areas Beyond National Jurisdiction: REMPs for Deep Seabed Mining and the Proposed BBNJ Instrument", *Frontiers in Marine Science* (2022). DOI: 10.3389/fmars.2022.720146.
- **Chu, J. (2019).** "Study: Much of the Surface Ocean Will Shift in Color by End of 21st Century". MIT News | Massachusetts Institute of Technology. <https://news.mit.edu/2019/study-ocean-color-change-phytoplankton-climate-0204>.
- **Claessens, B. (2020).** "Environmental impact of offshore wind turbines: overall beneficial for biodiversity". *Energy Revolution*. <https://www.revolution-energetique.com/impact-environnemental-des-eoliennes-offshore-globalement-benefique-pour-la-biodiversite/>.
- **Clausen, R., & York, R. (2008).** "Economic growth and marine biodiversity: influence of human social structure on decline of marine trophic levels". *Conservation Biology*, 22(2), 458-466. DOI: 10.1111/j.1523-1739.2007.00851.x.

- **Cochard, N. (2012).** "The history of maritime populations in the contemporary era: geography in the service of the historian." *EchoGeo*, no. 19. <https://doi.org/10.4000/echogeo.12991>.
- **Collectif & All, (2018).** "The Law of the Sea: Issues and Perspectives for Morocco". Konrad Adenauer-Stiftung e.V. [https://www.kas.de/c/document\\_library/getfile?uuid=3466dba0-14f0-9f51-f00e-103a0538ce5b&groupId=252038](https://www.kas.de/c/document_library/getfile?uuid=3466dba0-14f0-9f51-f00e-103a0538ce5b&groupId=252038).
- **Commission océanographique intergouvernementale. (2017).** "Rapport mondial sur les sciences océaniques : état actuel des sciences océaniques dans le monde - Résumé exécutif ". Série sur les politiques de la COI, 2017-1. Paris : UNESCO. [https://unesdoc.unesco.org/ark:/48223/pf0000249373\\_fre](https://unesdoc.unesco.org/ark:/48223/pf0000249373_fre).
- **Commission on Environment and Development. (1987).** "Chapter 10: Managing The Commons". In *Our Common Future*. World. <http://www.un-documents.net/ocf-10.htm>;
- **Commission to the European Parliament. (2021).** "Transforming the EU's Blue Economy for a Sustainable Future". Communication from the, the Council, the European Economic and Social Committee and the Committee of the Regions on a new approach for a sustainable blue economy in the EU.
- **Cooper, Z. (2021).** "Indian Ocean Futures: Implications for U.S. Strategy " Roundtable. "Strategic Futures for the Indian Ocean". *Asia Policy* 16, no 3 : 23 28.
- **Corbin, A. (1994).** "The lure of the sea: the discovery of the seaside in the western world", 1750-1840. Univ of California Press.
- **Cossardeaux, J. (2019).** "Rising oceans: the number of potential disaster victims is set to triple". *Les Echos*. <https://www.lesechos.fr/monde/enjeux-internationaux/montee-des-oceans-le-nombre-de-sinistres-potentiels-est-bien-parti-pour-tripler-1144242>.
- **Costello M.J., Bouchet, P., Boxshall, G., Fauchald, K., Gordon, D., Hoeksema, B. W., Poore G.C.B., van Soest R.W.M., Stöhr S., Chad Walter T., Vanhoorne B., Decock, Wim., Appeltans W. (2013).** "Global Coordination and Standardisation in Marine Biodiversity through the World Register of Marine Species (WoRMS) and Related Databases", *Plos One*, vol. 8, no 1 (DOI 10.1371/journal.pone.0051629).
- **Costello, M. J., Coll, M., Danovaro, R., Halpin, P., Ojaveer, H., & Miloslavich, P. (2010).** "A census of marine biodiversity knowledge, resources, and future challenges". *PloS one*, 5(8), e12110.

- **Cottier-Cook, E. (2021).** "Ensuring the Sustainable Future of the Rapidly Expanding Global Seaweed Aquaculture Industry - A Vision." UNU-CRIS Policy Brief. Bruges: UNU Institute on Comparative Regional Integration Studies, 2021.
- **Cox, K.D., Covernton, G.A., Davies, H.L., Dower, J.F., Juanes, F., & Dudas, S.E. (2019).** "Human Consumption of Microplastics". *Environmental Science & Technology* 53, no 12: 7068-74. <https://doi.org/10.1021/acs.est.9b01517>.
- **Croitoru, L., & Maria S., (2017).** "The Cost of Environmental Degradation in Morocco." *Environment and Natural Resources Global Practice, Discussion Paper #5*, 147. <https://hazbane.asso-web.com/uploaded/sedd-rapport-du-coa-t-de-la-da-gradation-au-maroc-janv-2017.pdf>.
- **Davis, K.L., Colefax, A.P., Tucker, J.P., Brendan, P., Kelaher., & Isaac, R.S. (2021).** "Global coral reef ecosystems exhibit declining calcification and increasing primary productivity. " *Commun Earth Environ* 2, 105 <https://doi.org/10.1038/s43247-021-00168-w>.
- **De'ath, G., Fabricius, K.E., Sweatman, H., & Puotinen, M. (2012).** "The 27-year decline of coral cover on the Great Barrier Reef and its causes". *PNAS Vol. 109 | No. 44* 17995-17999 | <https://doi.org/10.1073/pnas.1208909109>.
- **Deng, Y., Zhang, Y., Lemos, B. & al. (2017).** "Tissue accumulation of microplastics in mice and biomarker responses suggest widespread health risks of exposure." *Sci Rep* 7, 46687. <https://doi.org/10.1038/srep46687>.
- **Depraetere, C., (1990).** "The island phenomenon on a global scale: sizes, hierarchies, and forms of oceanic islands. " *L'Espace géographique* 19, no. 2 126-34. <https://doi.org/10.3406/spgeo.1990.2962>
- **Diaz C., Javier, Iraqui, A., Megevand, C., & Marzo, F. (2022).** "Morocco Economic Situation Monitoring Report: The Economic Recovery is Running Dry." World Bank Group. Washington D.C. <https://documents.worldbank.org/en/publication/documents-reports/documentdetail/099535407192214846/IDU0caefa0c4081d3049be0a03b0ec8d7365fab3>.
- **Diaz, R.J., & Rosenberg, R. (2008).** "Spreading Dead zones and Consequences for Marine Ecosystems." *Science*, 321 (5891), 926-929.[doi.org/10.1016/S0140-6736\(20\)30677-2](https://doi.org/10.1016/S0140-6736(20)30677-2).
- **Dominic, Z. (2022).** "Taking stock", *The World Ahead* (special issue), *The Economist*.

- **Doney, S. C., Fabry, V. J., Feely, R.A., & Kleypas, J.A. (2009).** "Ocean acidification: the other CO<sub>2</sub> problem." *Annual Review of Marine Science* 1:169– 192.
- **DOUMENGE, F., (1985)** "Critères de base pour une estimation de viabilité des petits états insulaires", in *Géographie et écologie des milieux tropicaux, actes du Colloque franco-japonais de géographie*. 4e, 153-174.
- **Doumenge, F., (1985).** "Les îles et les micro-Etats insulaires" in *Hérodote*, Paris, n°. 37-38, p. 297-327.
- **Drobenko, B. (2012).** "From Integrated Coastal Zone Management (ICZM) to Integrated Maritime Policy (IMP): a new law for the coast?" *Special Environmental Law Review*, no. 5: 225-46. <https://www.cairn.info/revue-juridique-de-l-environnement-2012-5-page-225.htm>.
- **Ducruet, C. (2004).** "Port Cities: laboratories of globalisation". Unpublished PhD Dissertation in Geography, Le Havre University.
- **Dulvy, N. K., Sadovy, Y., & Reynolds, J. D. (2003).** "Extinction vulnerability in marine populations". *Fish and fisheries*, 4(1), 25-64.
- **Eugui, Vivas, D., Barrowclough, D., & Contreras, C. (2021).** "The Ocean Economy: Trends, Impacts and Opportunities for a Post COVID-19 Blue Recovery in Developing Countries". Research Paper. Genève: South Centre, October 2021. [https://www.southcentre.int/wp-content/uploads/2021/10/ RP137\\_The-Ocean-Economy\\_EN\\_red.pdf](https://www.southcentre.int/wp-content/uploads/2021/10/ RP137_The-Ocean-Economy_EN_red.pdf).
- **EurOBIS data. "European node of the Ocean Biodiversity Information System (EurOBIS)."** Available online at [www.eurobis.eu](http://www.eurobis.eu). EurOBIS (<https://www.eurobis.org/about>).
- **European Environment Agency. (2014).** Data from EEA Technical Report, "Horizon 2020 Report on the Mediterranean." Annex 4: Morocco. Copenhagen. <https://www.eea.europa.eu/fr/publications/rapport-horizon-2020-sur-la-mediterranee/annexe-4-maroc>.
- **European Parliament. (2019).** "CO<sub>2</sub> emissions from aircraft and ships: facts and figures". (infographic) | News. <https://www.europarl.europa.eu/news/fr/headlines/society/20191129STO67756/emissions-de-co2-des-avions-et-des-navires-faits-et-chiffres-infographie>.
- **FAO. (2020).** "The State of World Fisheries and Aquaculture 2020." Sustainability in Action Series, Rome. <https://doi.org/10.4060/ca9229fr>.



- **Farmery, A.K., Allison, E.H., Andrew, N.L., Troell, M., Voyer, M., Campbell B., Eriksson, H., Fabinyi, M., Song, A.M., & Steenbergen, D. (2021).** "Blind Spots in Visions of a "Blue Economy" Could Undermine the Ocean's Contribution to Eliminating Hunger and Malnutrition". *One Earth* 4, no 1: 28-38. <https://doi.org/10.1016/j.oneear.2020.12.002>.
- **Foley, R., Kearns, R., Kistemann, T., & Wheeler, B. (2019).** "Blue space, health and wellbeing". *Hydrophilia Unbounded*, Routledge, London. <https://doi.org/10.4324/9780815359159>.
- **Fossard, L., & Thiercelin, M., (2020).** "A la rencontre des peuples des mers : La navigation comme trait d'union". Grenoble: Glénat Books, Hamdoune, Christine. "Navigation: Antiquity. *Encyclopedia Berber*, no. 33: 5299-5310. <https://doi.org/10.4000/encyclopedieberbere.2689>;
- **Frier, J.F. (2017).** "For a Blue Diplomacy". IRIS, 2017. <https://www.iris-france.org/96974-pour-une-diplomatie-bleue/>.
- **Gaufrey-Demombines, M. (1925).** Extract from the letter addressed by Saladin to Yaacoub al Mansour in 1189, "Lettre de Saladin au Calife Almohade", in, *Mélanges René Basset : Etudes nord-africaines et orientales*, Rabat, Institut des hautes études marocaines, Tome 2, pp. 281-289.
- **Geoffron, P. (2021).** "Price pressure and uncertain demand: oil in troubled waters," *Polytechnique Insights*.
- **Gicheru Kinyua, B. (2020).** "The Meteoric Rise of Morocco's Tangier Med Port". *The Maritime Executive*. <https://maritime-executive.com/editorials/the-meteoric-rise-of-morocco-s-tangier-med-port>.
- **Giraud, G. (2016).** "The commons, a key concept for the future of development". <https://ideas4development.org/en/commons-development/>.
- **Global Coral Reef monitoring Network. (2020).** "Status of Coral Reefs of the World. Executive Summary." <https://gcrmn.net/wp-content/uploads/2022/05/Executive-Summary-with-Forewords.pdf>.
- **Global Environment Facility. (2018).** "The Opportunity of the Commons", GEF, 152 p., pp.10.
- **Global Fire Power. (2022).** "Navy Fleet Strengths by Country".

- **Global Ocean Oxygen Network, Breitburg, D., Gregoire, M., Isensee, K. (2018).** "The ocean is losing its breath: Declining oxygen in the world's ocean and coastal waters." IOC-UNESCO, IOC Technical Series, No. 137 40pp. (IOC/2018/TS/137).
- **Goeury, D. (2014).** "La pollution marine", in Woessner Raymond (dir.), Mers et océans, Paris : Atlande, Clefs concours.
- **Goldberg, L., Lagomasino, D., Thomas, N., Fatoyinbo, T. (2020).** "Global declines in human-driven mangrove loss." *Glob Change Biol.* 2020; 26:5844–5855. <https://doi.org/10.1111/gcb.15275>.
- **Golden, C., Allison, E., Cheung, W. et al. (2016).** "Nutrition: Fall in fish catch threatens human health". *Nature* 534, 317–320, 2016. <https://doi.org/10.1038/534317a>.
- **Goueythieu, J.P. (2019).** "Les biens communs".
- **Graham, M.H., Kinlan, B. Phi., Druehl, L.D., Garske, L.E., & Banks, S. (2007).** "Deep-water kelp refugia as potential hotspots of tropical marine diversity and productivity [archive]." *Proceedings of the National Academy of Sciences* 104 (42): 16576-16580.
- **Grant, G.R., Naish, T.R., Dunbar, G.B. & al. (2019).** "The amplitude and origin of sea-level variability during the Pliocene epoch." *Nature* 574, 237–241. <https://doi.org/10.1038/s41586-019-1619-z>.
- **Grataloup, C. (2015).** "The invention of the oceans. How Europe carved up and named the liquid world." *Géoconfluences*, <http://geoconfluences.enslyon.fr/glossaire/ocean>.
- **Groombridge, B. (1992).** "Global biodiversity: status of the earth's living resources: a report".
- **Grose, S. O., Pendleton, L., Leathers, A., Cornish, A., & Waitai, S. (2020).** "Climate change will re-draw the map for marine megafauna and the people who depend on them". *Frontiers in Marine Science*, 547. DOI: 10.3389/fmars.2020.00547.
- **G-STIC conference. (2020).** "Oceans – The future of ports and energy hubs".
- **Guezennec, J., & al. (2017).** "Blue biotechnologies: the unsuspected potential of the invisible". Nouméa : Tai Kona : Notre Magazine de la Mer, pp. 28-51.

- **Guild, E. (2018).** "Unsafe, Disorderly, and Irregular Migration? Examining the Assumptions Underlying the United Nations" New York Declaration. *Peace Research*, 53-75.
- **Guillotreau, P. (2018).** "Mare economicum : Enjeux et avenir de la France maritime et littorale". Presses universitaires de Rennes.
- **Gunasekar, S., Gloinson, E.R., Dunkerley, F., & Virdee, M. (2021).** "Oceans: An Analysis of Trends, Future Directions and Potential Missions to Address Societal Challenges in Norway". *Addressing Societal Challenges in Norway: Key Trends, Future Scenarios, Missions and Structural Measures*. Santa Monica, CA: RAND Corporation for the Research Council Norway.
- **Hall, S.J. (2011).** "Fishing for Solutions". *Global Commons. The Planet We Share, Our Planet - UNEP*, 26 27.
- **Hanlon, R.T., & John B.M. (2018).** "Cephalopod Behaviour". Cambridge University Press. <https://doi.org/10.1017/9780511843600>.
- **Hatton, I. A., Heneghan, R. F., Bar-On, Y. M., & Galbraith, E. D. (2021).** "The global ocean size spectrum from bacteria to whales". *Science advances*, 7(46), eabh3732. <https://doi.org/10.1126/sciadv.abh3732>.
- **Hawksworth, D.L. (1994).** "Biodiversity: measurement and estimation." *Phil. Trans. R. Soc. London, (B)* 345(1311): 5-136, 12 articles.
- **Heather, L.A., van Velzen, M.J.M., Brandsma, S.H., Vethaak, A.D., Garcia-Vallejo, J.J., & Lamoree, M.H. (2022).** "Discovery and Quantification of Plastic Particle Pollution in Human Blood". *Environment International* 163: 107199. <https://doi.org/10.1016/j.envint.2022.107199>.
- **Hepworth, R., (2007)** "Climate Change: The most serious threat to migratory species? " *Biodiversity and climate change*, Volume 12,
- **Heywood, V.H. & R.T. Watson, (1995).** "Global biodiversity assessment." Published for the United Nations Environment Programme (UNEP). Xii + 1140. Cambridge University Press, Cambridge, UK, New York.
- **Hoegh-Guldberg, O., Poloczanska, E.S., Skirving, W., & Dove, S. (2017).** "Coral Reef Ecosystems under Climate Change and Ocean Acidification, *Front. Mar. Sci.*, 29 May 2017 | <https://doi.org/10.3389/fmars.2017.00158>.

- **Hoffmann, A.K., McGlade, H., Krüger, K., Stelljes I.N. (2019).** "Oceans as Global Commons. International Governance and the Role of Germany." Report to the Science Platform Sustainability 2030. Berlin: Ecologic Institute.
- **Hofmann, A.F., Peltzer, E.T., Walz, P.M. & Brewer, P.G. (2011).** "Hypoxia by Degrees: Establishing Definitions for a Changing Ocean." *Deep-Sea Res. Pt I*, 58 (12), 1212-1226.
- **Houtart, F. (2014).** "Universal Declaration of the Common Good of Humanity." *Thought* 377, no. 1: 61-67. <https://doi.org/10.3917/lp.377.0061>;
- Institut français de recherche pour l'exploitation de la mer. Ressources pédagogiques : comprendre les océans, océans et climat. "Désoxygénation et acidification des océans : comment ça marche". <https://wwz.ifremer.fr/L-ocean-pour-tous/Nos-ressources-pedagogiques/Comprendre-les-oceans/Ocean-et-climat/Desoxygenation-et-acidification-des-oceans-comment-ca-marche> ;
- **Instituto Argentino para el Desarrollo Económico. (2019).** "Los países de América Latina que forman parte de la Nueva Ruta de la Seda de China". <https://www.iade.org.ar/noticias/los-paises-de-america-latina-que-forman-parte-de-la-nueva-ruta-de-la-seda-de-china>.
- Internal Climate Migration". Washington, DC: World Bank. <https://openknowledge.worldbank.org/handle/10986/36248>.
- **Internal Displacement Monitoring Center. (2022).** "2022 Global Report on Internal Displacement". <https://www.internal-displacement.org/global-report/grid2022/>.
- **International Maritime Bureau. (2021).** "Annual IMB Piracy Report". [https://www.icc-ccs.org/reports/2021\\_Annual\\_IMB\\_Piracy\\_Report.pdf](https://www.icc-ccs.org/reports/2021_Annual_IMB_Piracy_Report.pdf).
- **International Maritime Organization. (2020).** "Air water pollution". <https://theicct.org/wp-content/uploads/2021/06/Air-water-pollution-scrubbers-dec2020.pdf>.
- **International Monetary Fund. (2022).** World Economic Outlook. <https://www.imf.org/fr/Publications/WEO/Issues/2022/04/19/world-economic-outlook-april-2022>.
- **IOC-UNESCO and UNEP. (2016).** "Large marine ecosystems: status and trends, Summary for policy makers." Nairobi, United Nations Environment Programme (UNEP).
- **IOC-UNESCO. (2017).** "Proposal for an International Decade of Ocean Science for Sustainable Development (2021-2030)." IOC Brochure (IOC/BRO/2017/3).

- **IPBES. (2019).** "Global assessment report of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services", Brondízio, E. S., Settele, J., Díaz, S., Ngo, H. T. (eds). IPBES secretariat, Bonn, Germany. 1144 pages. ISBN: 978-3-947851-20-1.
- **IPCC. (2019).** "Special Report on Oceans and Cryosphere."
- **IPCC. (2019).** "Summary for Policymakers. In: IPCC Special Report on the Ocean and Cryosphere in a Changing Climate." [H.-O. Pörtner, D.C. Roberts, V. Masson-Delmotte, P. Zhai, M. Tignor, E. Poloczanska, K. Mintenbeck, A. Alegría, M. Nicolai, A. Okem, J. Petzold, B. Rama, N.M. Weyer (eds.)]. In press.
- **IPCC. (2019).** "The ocean and cryosphere in the context of climate change." Special Report, Summary for Policymakers, [edited by H.-O. Pörtner, D.C. Roberts, V. Masson-Delmotte, P. Zhai, M. Tignor, E. Poloczanska, K. Mintenbeck, M. Nicolai, A. Okem, J. Petzold, B. Rama and N. M. Weyer], ISBN 978-92-9169-255-2.
- **IPCC. (2021).** "Climate change widespread, rapid, and intensifying." 6ème Rapport du GIEC. <https://www.ipcc.ch/2021/08/09/ar6-wg1-20210809-pr/>
- **IPCC. (2021).** "The Physical Science Basis". Summary for Policymakers. In: Climate Change 2021. Contribution of Working Group I to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, pp. 3–32, doi:10.1017/9781009157896.001.
- **IRES. (2020).** "Towards a new development model." Strategic Report 2019/2020, Rabat, IRES.
- **IUCN France. (2013).** "Panorama of ecological services provided by natural environments in France - volume 2.2: marine and coastal ecosystems." Paris, France. [https://uicn.fr/wpcontent/uploads/2014/02/UICN\\_France\\_services\\_ecologiques\\_marins\\_et\\_cotiers.pdf](https://uicn.fr/wpcontent/uploads/2014/02/UICN_France_services_ecologiques_marins_et_cotiers.pdf).
- **Jacquemot, P. (2021).** "Commons, the way forward for Africa." ID4D. <https://ideas4development.org/en/commons-way-forward-africa/>.
- **Jarek, K.V., & Babbin, A.R. (2021).** "A High-Resolution Atlas of the Eastern Tropical Pacific Oxygen Deficient zones". Global Biogeochemical Cycles 35, no 12 (2021): e2021GB007001. <https://doi.org/10.1029/2021GB007001>.
- **Jasso, G. (2021).** "Analyzing Migration Restriction Regimes". *Frontiers in Sociology*.

- **Jean, D. (2015).** "Une ambition maritime française", *Stratégique* n°109, p. 68.
- **Jeff, T. (2018).** "Climate change has doubled the frequency of ocean heatwaves Extreme heat events wreak havoc on marine ecosystems and will only get worse in coming decades" [archive]; *Nature, News*.
- **Jevons, W., (1865).** "The Coal Question; An Inquiry Concerning the Progress of the Nation, and the Probable Exhaustion of Our Coal Mines".
- **Jonathan D. W., Favier V., Gorodetskaya I.V., Agosta C., Kittel C., & al. (2021).** "Antarctic Atmospheric River Climatology and Precipitation Impacts." *Journal of Geophysical Research Atmospheres*, American Geophysical Union, 126 (8).
- **Jones, B. M., Iglesias-Rodriguez, M. D., Skipp, P. J., Edwards, R. J., Greaves, M. J., Young, J. R., ... & O'Connor, C. D. (2013).** "Responses of the *Emiliana huxleyi* proteome to ocean acidification". *PloS one*, 8(4), e61868. doi: 10.1371/journal.pone.0061868.
- **Jones, E., Manzoor Q., van Vliet, M.T.H., Smakhtin, V., & Kang, S.M. (2019).** "The State of Desalination and Brine Production: A Global Outlook". *Science of The Total Environment* 657: 1343-56. <https://doi.org/10.1016/j.scitotenv.2018.12.076>.
- **Jouffray, J.B., Blasiak, R., Norström, A.V., Österblom, H., & Nyström, M. (2020).** "The Blue Acceleration: The Trajectory of Human Expansion into the Ocean". *One Earth* 2, no 1: 43-54: 43 54. <https://doi.org/10.1016/j.oneear.2019.12.016>.
- **Kanta Kumari, R., de Sherbinin, A., Jones, B., Bergmann, J., Clement, V., Ober, K., Schewe, J., et al. (2018).** *Preparing for Internal Climate Migration*. Washington, DC: World Bank. <https://doi.org/10.1596/29461>.
- **Käse, L., Geuer, J.K. (2018).** "Phytoplankton Responses to Marine Climate Change – An Introduction." In: Jungblut, S., Liebich, V., Bode, M. (eds) *YOUMARES 8 – Oceans Across Boundaries: Learning from each other*. Springer, Cham. [https://doi.org/10.1007/978-3-319-93284-2\\_5](https://doi.org/10.1007/978-3-319-93284-2_5).
- **Kench P. & Brander R.W., (2009).** "Seasonal variations in wave characteristics around a coral reef island, South Maalhosmadulu atoll, Maldives", *Marine Geology*, 262 (1-4). pp. 116-129.
- **Kerr, R.A. (2006).** "Rivers in the Sky Are Flooding The World With Tropical Waters", *Science*, vol. 313, no 5786, 28 juillet 2006, p. 435 (PMID 16873624, DOI 10.1126/science.313.5786.435).
- **Ketzer, M., Praeg, D., Rodrigues, L.F., Augustin, A., Pivel, M.A.G., Rahmati-Abkenar, M., Miller, D.J., Viana, A.R., & Cupertino, J. A. (2020).** "Gas Hydrate Dissociation

Linked to Contemporary Ocean Warming in the Southern Hemisphere". *Nature Communications* 11, no 1 (29 juillet 2020): 3788. <https://doi.org/10.1038/s41467-020-17289-z>.

- **Kirezci, E., Young, I.R., Ranasinghe, R., Muis, S., Nicholls, R.J., Lincke, D., & Hinkel, J. (2020).** "Projections of Global-Scale Extreme Sea Levels and Resulting Episodic Coastal Flooding over the 21st Century". *Scientific Reports* 10, no 1: 11629. <https://doi.org/10.1038/s41598-020-67736-6>.
- **Kopf, A.J. (2002).** "Significance of mud volcanism." *Review of Geophysics* 40 (2-1-2-52) : 1005.
- **Kopp, R. (2022).** "IPCC Climate Report: Profound Changes Are Underway in Earth's Oceans and Ice – a Lead Author Explains What the Warnings Mean". *The Conversation*. <http://theconversation.com/ipcc-climate-report-profound-changes-are-underway-in-earths-oceans-and-ice-a-lead-author-explains-what-the-warnings-mean-165588>.
- **Krumhansl, K.A., & al. (2016).** "Global patterns of kelp forest change over the past half-century". *PNAS. Research Article, Biological Sciences*. 113 (48) 13785-13790. <https://doi.org/10.1073/pnas.1606102113>.
- **Kulp, S.A., & Strauss, B.H. (2019).** "New Elevation Data Triple Estimates of Global Vulnerability to Sea-Level Rise and Coastal Flooding". *Nature Communications* 10, no 1: 4844. <https://doi.org/10.1038/s41467-019-12808-z>.
- **Kump, L., Pavlov, A., & Arthur, M. (2005).** "Massive release of hydrogen sulfide to the surface ocean and atmosphere during intervals of oceanic anoxia". *Geology* 33 .<https://doi.org/10.1130/G21295.1>.
- **La Barre, S., & Bates, S. S. (2018).** "Blue biotechnology: production and use of marine molecules." John Wiley & Sons.
- **Lacroix, D., David, B., Lamblin, V., de Menthière, N., De Lattre-Gasquet, M., Guigon, A., Jannès-Ober, E., et al. (2016).** "Ocean Common Good of Humanity". *Interactions between Oceans and Societies in 2030: Challenges and Issues for Research.* *European Journal of Futures Research* 4, no. 11. <https://doi.org/10.1007/s40309-016-0089-x>.
- **Laffoley, D., & Baxter, J.M. (2019).** "Désoxygénation des océans : le problème de chacun. Causes, impacts, conséquences et solutions." *Résumé à l'attention des décideurs*. Gland, Suisse : UICN, 28 p.

- **Land, Isaac. (2016).** "The Coastal History Blog 38: Sea Blindness, or Ocean Optimism?". Port Towns and Urban Cultures (blog), 29 juillet 2016. <https://porttowns.port.ac.uk/blog38/>.
- **Lanthiez, A., & Paul T. (2018).** "Chapter 7. Shipbuilding, global growth and European resistance." In "Mare economicum : Enjeux et avenir de la France maritime et littorale", edited by Guillotreau, P. 285-318. Economics, Management and Society. Rennes : Presses universitaires de Rennes, 2008. <http://books.openedition.org/pur/53812>.
- **Laoust É., (1923).** "Berber fishermen of the Sous." (Continued): Notes on a maritime vocabulary ... Texts in the Chelha dialect relating to fishing.
- **Larrue, P. (2021).** "The design and implementation of mission-oriented innovation policies: A new systemic policy approach to address societal challenges", OECD Science, Technology and Industry Policy Papers, n° 100, Paris : Éditions OCDE, <https://doi.org/10.1787/3f6c76a4-en>.
- **Lau, W.W.Y., Shiran, Y., Bailey, R.M., Cook, E., Stuchtey, M.R., Koskella, J., Velis, C.A., & al. (2020).** "Evaluating scenarios toward zero plastic pollution". Science 369, no 6510: 1455-61. <https://doi.org/10.1126/science.aba9475>.
- **Lefebvre, C. (2022).** "La gestion intégrée côtière et marine : nouvelles perspectives", Vertigo - la revue électronique en sciences de l'environnement [Online], Hors-série 9. URL : <http://journals.openedition.org/vertigo/10985> ; DOI : <https://doi.org/10.4000/vertigo.10985>.
- **Lefeuvre, J. C. (2006).** "Les invasions biologiques : un risque pour la biodiversité à l'échelle mondiale. " Les espèces envahissantes dans l'archipel néo-calédonien. Paris: IRD, 4-49.
- **Levin, K., Boehm, S., & Carter, R. (2022).** "6 Big Findings from the IPCC 2022 Report on Climate Impacts, Adaptation and Vulnerability".
- **Lippert, A. (2021).** "IPCC report: 6 alarming figures on the consequences of global warming".
- **Loarca, L., Andrea, Cobos, M., Millares, A., Besio, G., & Baquerizo, A. (2020).** "Integrated extreme sea level events in the Mediterranean coast of Spain". In EGU General Assembly Conference Abstracts, 7951. EGU General Assembly Conference Abstracts. <https://doi.org/10.5194/egusphere-egu2020-7951>.



- **Lotterhos, K.E., Áki J. L., & Jiang L.Q. (2021).** "Novel and Disappearing Climates in the Global Surface Ocean from 1800 to 2100". *Scientific Reports* 11, no 1 : 15535. <https://doi.org/10.1038/s41598-021-94872-4>.
- **Louchet, A. (2015).** "Atlas of the seas and oceans. Conquests, tensions, explorations." France, Autrement.
- **Lough, J.M. (2016).** "Coral reefs: Turning back time". *Nature*; doi:10.1038/nature17302, online 24 February 2016.
- **Lucarelli, A. (2018).** "Common Goods. Contribution to a Legal Theory," *Law and Society*, vol. 98, no. 1, pp. 141-157;
- **Maârouf Majida (2021).** "L'aquaculture marine, un secteur d'avenir pour le Maroc", *Marine & Océans, Numéro Spécial, 3ème trimestre 2021*, pp. 88-89;
- **Macfadyen, G. & Hosch, G. (2021).** "The IUU Fishing Index 2021." Poseidon Aquatic Resource Management Limited and the Global Initiative Against Transnational Organized Crime.
- **Majdoubi, H. (2022).** "Strategic Environmental Assessment in Morocco." *Revue juridique de l'environnement* 47: 265-80. <https://www.cairn.info/revue-juridique-de-l-environnement-2022-2-page-265.htm>.
- **Malaya, B., Lemire, M., & Kenny, T.A. (2021).** "5 Ways Climate-Driven Ocean Change Can Threaten Human Health". *The Conversation*. 29 juillet 2021 <http://theconversation.com/5-ways-climate-driven-ocean-change-can-threaten-human-health-162341>.
- **Mana'oakamai, J.S., & Watson, J.R. (2021).** "Novel Environmental Conditions Due to Climate Change in the World's Largest Marine Protected Areas". *One Earth* 4, no 11: 1625-34. <https://doi.org/10.1016/j.oneear.2021.10.016>.
- **MAP. (2021).** "NMD : la dimension environnementale au cœur de la vision royale". Article rédigé par Arboui, A. <https://www.maroc.ma/fr/actualites/nmd-la-dimension-environnementale-au-coeur-de-la-vision-royale>.
- **Marella, M.R (2017).** "The Commons as a Legal Concept." *Law and Critique* 28, no. 1: 61-86. <https://doi.org/10.1007/s10978-016-9193-0>.
- **Marina, L., Resplandy, L., Palter, J.B., Couespel, D., & Lachkar, Z. (2022).** "Chapter 13 - The Crucial Contribution of Mixing to Present and Future Ocean Oxygen Distribution". In *Ocean Mixing*, édité par Michael Meredith et Alberto Naveira Garabato, 329-44. Elsevier. <https://doi.org/10.1016/B978-0-12-821512-8.00020-7>.

- **Marine & Oceans. (2021).** "Morocco and the Sea", Special Issue, 3rd quarter, 124 pages (bilingual FR/EN).
- **Maris, V., Roche P., Levrel, H., & Geijzendorffer, I. (2016).** "Regards croisés sur les valeurs de la biodiversité et les services écosystémiques." Éditions Quæ.
- **Meehl G.A., & Tebaldi, C. (2004).** "More intense, more frequent, and longer lasting heat waves in the 21st century", *Science*, 305, 994–997, doi:10.1002/joc.693.
- **Michael, W. (1977).** "Global Marine Pollution: An Overview". UNESCO, ISBN 92-3-201 55 1 -X.
- **Michalis, V.I., Ranasinghe, R., Mentaschi, L., Plomaritis, T.A., Athanasiou, P., Luijendijk, A., & Feyen, L. (2020).** "Sandy Coastlines under Threat of Erosion". *Nature Climate Change* 10, n° 3: 260-63. <https://doi.org/10.1038/s41558-020-0697-0>.
- **Michel, J.A. (2016).** "Rethinking the Oceans: Towards the Blue Economy". Paragon House.
- **Migration Data Portal. (2022).** "The Global Risks Report 2022", 17th Edition, WEF, 2022 (chapter 4); State of World Migration Report, IOM.
- **Milkov, AV. (2000).** "Worldwide distribution of submarine mud volcanoes and associated gas hydrates." *Mar Geol* 167(1): 29–42.
- **Moffitt, S.E., Moffitt, R.A., Sauthoff, W., Davis, C. V., Hewett, K. & Hill, T.M. (2015).** "Paleoceanographic Insights on Recent Oxygen Minimum Zone Expansion: Lessons for Modern Oceanography." *PloS one*, 1, 39.
- **Mollo, P., & Noury, A. (2013).** "Manuel du plancton." Ed Charles Leopold Mayer Éditions Charles Léopold Mayer, Essai n° 195 ISBN 978-2-84377-173-6.
- **Mooser, A., Anfuso, G., Williams, A. T., Molina, R., & Aucelli, P. P. (2021).** "An innovative approach to determine coastal scenic beauty and sensitivity in a scenario of increasing human pressure and natural impacts due to climate change". *Water*, 13(1), 49. <https://doi.org/10.3390/w13010049>.
- **Mora, C., Tittensor, DP., Adl S., Simpson, AGB. & Worm, B. (2011).** "How Many Species Are There on Earth and in the Ocean?". *Plos Biology*, vol. 9, no 8, 23 août 2011 (DOI 10.1371/journal.pbio.1001127).

- **Moroccan National Tourist Office. (2019).**
- **Motte, M., (2017)** "The sea, between globalization and fragmentation". *Prospective et strategie* 8, no. 1: 57-70. <https://www.cairn.info/revue-prospective-et-strategie-2017-1-page-57.htm>.
- **Moullec, F. (2019).** "Impacts du changement global sur la biodiversité en mer Méditerranée: Une approche par modélisation End-to-End" (Doctoral dissertation, Université Montpellier).
- **Mulhern, O. (2021).** "2021: The Year That Could Save or Kill the Vaquita". Earth.Org - Past | Present | Future. Lotze, H. K., Tittensor, D. P., Bryndum-Buchholz, A., Eddy, T. D., Cheung, W. W., Galbraith, E. D., ... & Worm, B. (2019). "Global ensemble projections reveal trophic amplification of ocean biomass declines with climate change". *Proceedings of the National Academy of Sciences*, 116(26), 12907-12912. <https://doi.org/10.1073/pnas.1900194116>.
- **Munday, P.L., Dixon, D.L., Donelson, J.M., Jones, G.P., Pratchett, M.S., Devitsina, G.V., & Døving, K.B. (2009).** "Ocean acidification impairs olfactory discrimination and homing ability of a marine fish", [archive]. *Proceedings of the National Academy of Sciences*, 106(6), 1848-1852.
- **Nakicenovic, N., J. Rockström, O. Gaffney, & C. Zimm. (2016).** "Global Commons in the Anthropocene: World Development on a Stable and Resilient Planet". Monograph. IIASA, Laxenburg, Austria : WP-16-019, octobre 2016. <https://iiasa.dev.local/>.
- **Neill, P. (2016).** "The Once and Future Ocean: Notes Toward a New Hydraulic Society." Sedgwick, Maine: Leetes Island Books.
- **Neiman, P.J. & al. (2008).** "Diagnosis of an Intense Atmospheric River Impacting the Pacific Northwest: Storm Summary and Offshore Vertical Structure Observed with COSMIC Satellite Retrievals", *Monthly Weather Review*, vol. 136, no 11, p. 4398-4420 (DOI 10.1175/2008MWR2550.1, Bibcode 2008MWRv.136.4398N,
- **Neumann, B., Vafeidis, A. T., Zimmermann, J., & Nicholls, R. J. (2015).** Future coastal population growth and exposure to sea-level rise and coastal flooding-a global assessment. *PloS one*, 10(3), e0118571. <https://doi.org/10.1371/journal.pone.0118571>.
- **Noisette, F. (2013).** "Impacts de l'acidification des océans sur les organismes benthiques calcifiants des milieux côtiers tempérés" (Doctoral dissertation, Université Pierre et Marie Curie-Paris VI).

- **Ocean and climate. (2015).** "Le rôle de l'océan dans le climat". [https://www.ocean-climate.org/wp-content/uploads/2015/11/151030\\_FichesInformation\\_FR\\_HD.pdf](https://www.ocean-climate.org/wp-content/uploads/2015/11/151030_FichesInformation_FR_HD.pdf).
- **Ocean and Climate. (2016).** "Fact sheets", Second Edition. [https://www.ocean-climate.org/wp-content/uploads/2016/10/161011\\_FactSheets\\_EN.pdf](https://www.ocean-climate.org/wp-content/uploads/2016/10/161011_FactSheets_EN.pdf).
- **Ocean and Climate. (2016).** "Fact Sheets, Volume 2." [https://www.ocean-climate.org/wp-content/uploads/2016/11/161115\\_DIFFCO\\_FR\\_08.pdf](https://www.ocean-climate.org/wp-content/uploads/2016/11/161115_DIFFCO_FR_08.pdf).
- **OECD. (2017).** "The Economy of the Sea in 2030". OECD Publishing. Paris, 2017.
- **OECD. (2017).** "The Economy of the Sea in 2030." OECD Publishing. Paris.
- **Oliveira-Pinto, S., & Stokkermans, J. (2020).** "Marine floating solar plants: an overview of potential, challenges and feasibility". *Proceedings of the Institution of Civil Engineers - Maritime Engineering* 173, no 4: 120-35. <https://doi.org/10.1680/jmaen.2020.10>.
- **ONU. (2020).** "Marine Protected Areas: facts and figures", <https://www.un.org/en/conferences/ocean2022/facts-figures>.
- **Organisation for Economic Co-operation and Development. (2019).** "Rethinking Innovation for a Sustainable Ocean Economy." Paris: Organization for Economic Co-operation and Development.
- **Orr JC & al. (2005).** "Anthropogenic ocean acidification over the twenty-first century and its impact on calcifying organisms." *Nature* 437:681-686.
- **Osman, M. B., Das, S. B., Trusel, L. D., Evans, M. J., Fischer, H., Grieman, M. M., ... & Saltzman, E. S. (2019).** "Industrial-era decline in subarctic Atlantic productivity". *Nature*, 569(7757), 551-555. <https://doi.org/10.1038/s41586-019-1181-8>.
- **Ouchagour, L. (2022).** "Seaweed Production: Morocco has excellent know-how, according to the ADB". *The Agadir Blog (blog)*, April 21, 2022;
- **Özkan, Ö. (2018).** "Coastal and Marine Spatial Planning". *International Journal of Advanced Research and Review*, vol. 3, n° 12, pp.01-12.
- **Pandolfi, J.M., Bradbury, Sala, R.H., E., Hughes, T.P., Bjorndal, K.A., Cooke, R.G., McArdele, D., McClenachan, L., Newman, M.J.H., Paredes, G., Warner, R.R., & Jackson, J.B.C. (2003).** "Global Trajectories of the Long-Term Decline of Coral Reef Ecosystems", *Science* 301: 955-958. doi:10.1126/science.1085706.

- **Paris, G. (2019).** "Ocean acidification, the other danger of CO<sub>2</sub>". The Conversation. <http://theconversation.com/lacidification-des-oceans-lautre-danger-du-co-114716>;
- **Pauli, G. (2019).** "L'Economie bleue 3.0." Édition revue et Augmentée. Paris : L'OBSERVATOIRE.
- **Pérez B., Essenfelder, H. & Perry. (2020).** "Irrigation Technology and Water Conservation: A Review of the Theory and Evidence". Août 2020. Review of Environmental Economics and Policy 14(2):216–239;
- **Persson, L., Carney Almroth, B.M., Collins, C.D., Cornell, S., de Wit, C.A., Diamond, M.L., Fantke, P., & al. (2022).** "Outside the Safe Operating Space of the Planetary Boundary for Novel Entities". Environmental Science & Technology 56, no 3: 1510–1521. <https://doi.org/10.1021/acs.est.1c04158>.
- **Philippe, G., Gros, P., Boeuf, G., & Weber F. (2012).** "Biodiversity in the Marine Environment: Synthesis and Recommendations in Environmental and Human Sciences." 1st edition. Versailles: Editions QUAE GIE.
- **Picard, C., Elliott, N. (2018).** "Sea of the Caliphs: The Mediterranean in the Medieval Islamic World", Boston, Harvard University Press, 2018, pp. 152-184.
- **Polimeni, J.M., Mayumi, K., Giampietro, M., & Alcott, B. (2007).** "The Jevons Paradox and the Myth of Resource Efficiency Improvements." London; Sterling, VA: Routledge.
- **Pons, M., Watson, J.T., & al. (2022).** "Trade-offs between bycatch and target catches in static versus dynamic fishery closures." PNAS 119 (4). <https://doi.org/10.1073/pnas.2114508119>;
- **Porteus, C. (2022).** "Ever More CO<sub>2</sub> In Waters Disrupts Fish Smell and Behavior." The Conversation. <http://theconversation.com/toujours-plus-de-co-dans-les-eaux-perturbe-lodorat-et-le-comportement-des-poissons-108121>;<https://theconversation.com/it-might-be-the-worlds-biggest-ocean-but-the-mighty-pacific-is-in-peril-150745>.
- **Pörtner, H.O., Scholes, R.J., Agard, J., Archer, E., Arneeth, A., Bai, X., Barnes, D., et al. (2021).** "IPBES-IPCC co-sponsored workshop report on biodiversity and climate change". IPBES and IPCC. DOI:10.5281/zenodo.4782538.
- **Pramod, G. (2019).** "Morocco – Country Report", 8 pages, In: Policing the Open Seas: Global Assessment of Fisheries Monitoring Control and Surveillance in 84 countries, IUU Risk Intelligence - Policy Report No. 1, Canada, 840 pages.

- **Provost, E.J., Kelaher, B.P., Dworjanyn, S.A., Russell, B.D., Connell, S.D., Ghedini G., Gillanders, B.M., Figueira, W., Coleman, M.A. (2017).** "Climate-driven disparities among ecological interactions threaten kelp forest persistence *Glob Chang Biol.*";23(1):353-361. doi: 10.1111/gcb.13414. Epub 2016 Aug 6. PMID: 27392308.
- **Queste, B.Y., Clément, V., Heywood, K.J., & Piontkovski, S.A. (2018).** "Physical Controls on Oxygen Distribution and Denitrification Potential in the North West Arabian Sea". *Geophysical Research Letters* 45, no 9: 4143-52. <https://doi.org/10.1029/2017GL076666>.
- **Rashid, H., & Robert, S., & Neville, A., & Millennium Group. (2005).** "Ecosystems and Human Well-Being: Current State and Trends: Findings of the Condition and Trends Working Group." (Millennium Ecosystem Assessment Series).
- **Raymundo, L. J., Halford, A. R., Maypa, A. P., & Kerr, A. M. (2009).** "Functionally diverse reef-fish communities ameliorate coral disease."; *PNAS* 106, 17067-17070.
- **Richard, B., AlleyPeter, U., ClarkPhilippe H., Philippe H.J. (2005)** "Ice-Sheet and Sea-Level Changes", *Science* 310(5747):456-60, DOI: 10.1126/science.1114613.
- **Roche, S. (2021).** "Total and Offshore Wind, Diversifying to Survive." *The Conversation*. <https://theconversation.com/total-et-leolien-offshore-se-diversifier-pour-survivre-163124>.
- **Rockström, J. (2018).** "Managing the Global Commons". *Our Planet* 2017, no 3: 26-27. <https://doi.org/10.18356/7ea76f4a-en>.
- **Rose, C.M. (1986).** "The Comedy of the Commons: Commerce, Custom, and Inherently Public Property". *Faculty Scholarship Series: Paper n°1828*, 1986.
- **Rothman, D. H. (2019).** "Characteristic disruptions of an excitable carbon cycle". *Proceedings of the National Academy of Sciences*, 116(30), 14813-14822. <https://doi.org/10.1073/pnas.1905164116>.
- **Samira I. (2010).** "La Charte marocaine de l'Environnement et du Développement durable sera-t-elle une loi fondamentale ?", *VertigO - la revue électronique en sciences de l'environnement [En ligne], Débats et Perspectives*. URL : <http://journals.openedition.org/vertigo/9956> ; DOI : <https://doi.org/10.4000/vertigo.9956>.
- **Sánchez, J.A, Gómez-Corrales, M., Gutierrez-Cala, L., Vergara, D.C., Roa, P., González-Zapata, F.L., Gnecco, M., Puerto, N., Neira, L., & Sarmiento, A. (2019)** "Steady Decline of Corals and Other Benthic Organisms in the Sea Flower Biosphere

Reserve (Southwestern Caribbean)." *Front. Mar. Sci.* 6:73. doi: 10.3389/fmars.2019.00073.

- **Sbay, H. (2008).** "The Carob Tree in Morocco. A tree of the future". Collection Maroc Nature. Center de Recherche Forestière - Haut-Commissariat aux Eaux et Forêts et à la Lutte Contre la Désertification.
- **Schuster, P.F., Schaefer, K.M., Aiken, G.R., Antweiler, R.C., Dewild, J.F., Gryziec, J.D., Gusmeroli, A., & al. (2018).** "Permafrost Stores a Globally Significant Amount of Mercury". *Geophysical Research Letters\** 45, no 3: 1463-71. <https://doi.org/10.1002/2017GL075571>.
- **Sebillé, E.V., Wilcox, C., Lebreton, L., Maximenko, N., Hardesty, B. D., van Franeker, J.A., Eriksen, M., Siegel, D., Galgani, F., & Lavender Law, K. (2015).** "A Global Inventory of Small Floating Plastic Debris". *Environmental Research Letters* 10, no 12: 124006. <https://doi.org/10.1088/1748-9326/10/12/124006>.
- **Sehimi, M. (2020).** "Morocco and its Maritime Spaces". *Quid.ma*. <https://quid.ma/economie/le-maroc-et-ses-espaces-maritimes---par-mustapha-sehimi->.
- **Serra, L. (2010).** "Sea Berber maritime vocabulary". *Berber Encyclopedia*, n° 31: 4867-71. <https://doi.org/10.4000/encyclopedieberbere.560>.
- **Shi, JR., Talley, L.D., Xie, SP. & al. (2021).** "Ocean warming and accelerating Southern Ocean zonal flow." *Nat. Clim. Chang.* 11, 1090–1097 (2021). <https://doi.org/10.1038/s41558-021-01212-5>.
- **Simpson, S.D., & et al. (2011).** "Ocean acidification erodes crucial auditory behaviour in a marine fish" [archive]. *Biol. Lett.* 7, 917-920.
- **Smale, D.A. (2020).** "Impacts of ocean warming on kelp forest ecosystems. *New Phytol.*;225(4):1447-1454. doi: 10.1111/nph.16107." Epub 2019 Sep 4. PMID: 31400287.
- **Smale, D.A., Burrows, M.T., Moore, P., O'Connor, N., Hawkins, S.J. (2013).** "Threats and knowledge gaps for ecosystem services provided by kelp forests: a northeast Atlantic perspective", 3(11):4016-38. doi: 10.1002/ece3.774. Epub 2013 Sep 15. PMID: 24198956.
- **Smouts, M.C. (2005).** "From the common heritage of humanity to global public goods." In *Patrimoines naturels au Sud*, edited by Marie-Christine Cormier-Salem, Dominique Juhé-Beaulaton, Jean Boutrais, and Bernard Roussel, 53-70. IRD Éditions. <https://doi.org/10.4000/books.irdeditions.4056>.

- **Soane, J. (1992).** "The origin, growth and transformation of maritime resorts since 1840". *Built Environment*, 12-26. <https://www.jstor.org/stable/23287839>;
- **Sofiev, M., Winebrake, J.J., Johansson, L. et al. (2018).** "Cleaner fuels for ships provide public health benefits with climate tradeoffs." *Nat Commun* 9, 406. <https://doi.org/10.1038/s41467-017-02774-9>IMO.
- **Solberg, E. (2019).** "Why the Ocean Holds the Key to Sustainable Development". In *World Economic Forum*, 4. Davos: WEF, 2019. <https://www.weforum.org/agenda/2019/01/the-oceans-hold-the-key-to-sustainable-development/>.
- **Spaniol, M.J., & Nicholas J.R. (2022).** "Anticipated Innovations for the Blue Economy: Crowdsourced Predictions for the North Sea Region". *Marine Policy* 137: 104874. <https://doi.org/10.1016/j.marpol.2021.104874>.
- **Stein Emil V., Goren, E., Yuan, C.W., Cao, J., Smith, A.E., Hsiao, T., Bisignano, C., et al. (2020).** "Fertility, Mortality, Migration, and Population Scenarios for 195 Countries and Territories from 2017 to 2100: A Forecasting Analysis for the Global Burden of Disease Study". *The Lancet* 396, no 10258 : 1285 1306. <https://>
- **Stramma, L., Johnson, G.C., Sprintall, J. & Mohrholz, V. (2008).** "Expanding Oxygen-Minimum zones in the Tropical Oceans." *Science*, 320, 655 – 658.
- **Surfrider Foundation Europe. (2022).** "The Ocean and COP 21 - Part 2: The Ocean, Carbon Sink and Oxygen Provider." <https://surfrider.eu..https://surfrider.eu/sinformer/actualites/ocean-cop-21-partie-2-ocean-puits-carbone-fournisseur-oxygene-121236873169.html>;
- **Taglioni, F. (2006).** "Les petits espaces insulaires face à la variabilité de leur insularité et de leur statut politique", *Les annales de géographie*, n°652, pp. 664-687.
- **Taglioni, F., (2017)** "Au fil des îles et des océans", Preface to the book "Oceans, seas and islands." *Appuis de la mondialisation.* (Under the direction of Martinaud, C.), Paris, Ellipses, p. 4-5 ;
- **The Royal Society. (2005).** "Ocean Acidification Due to Increasing Atmospheric Carbon Dioxide." (The Royal Society, London).
- **Tirole, J. (2018).** "Economics of the Common Good." Paris : Presses Universitaires de France - PUF ; Ayuso, Miguel, Guillaume Bernard, and Beatriz Muñoz Estrada-Maurin. *The Common Good.* Paris: HORA DECIMA, 2021.



- **Tollefson, J. (2018).** "Climate change has doubled the frequency of ocean heatwaves Extreme heat events wreak havoc on marine ecosystems and will only get worse in coming decades" [archive]; Nature, News.
- **Tonazzini, D., Fosse, J., Morales, E., Gonzalez, A., Klarwein s., Moukaddem, K., Louveau, O. (2019).** "Blue Tourism. Towards a sustainable coastal and maritime tourism in world marine regions". Edited by eco-union, Barcelona.
- **TOULIER, B. (2016).** "All to the beach! Seaside towns from the 18th century to today." Co-publishing Liénart / Cité de l'Architecture ;
- **U.S. Ocean Carbon Biogeochemistry Subcommittee on Ocean Acidification. (2014).** "20 faits sur l'acidification des océans". <https://www.iaea.org/sites/default/files/18/06/acidification-des-oceans.pdf>.
- **UNCTAD Policy Brief. (2021).** "Small Island Developing States: Maritime Transport in the Era of a Disruptive Pandemic - Empower States to Fend against Disruptions to Maritime Transportation Systems, Their Lifeline to the World". [https://unctad.org/system/files/official document/presspb2021d3\\_en.pdf](https://unctad.org/system/files/official%20document/presspb2021d3_en.pdf).
- **UNCTAD, Review of Maritime Transport 2018.** United Nations, 2018; Review of Maritime Transport 2021. United Nations, 2021.
- **UNCTAD. (2018).** "Review of Maritime Transport 2018" (UNCTAD/RMT/2018). New York: UNCTAD, 2018. [https://unctad.org/system/files/official-document/rmt2018\\_fr.pdf](https://unctad.org/system/files/official-document/rmt2018_fr.pdf).
- **UNEP. (2017).** "Mediterranean Sea Quality Report".
- **UNESCO, The United Nations Decade of Ocean Sciences for Sustainable Development (2021-2030),** UNESCO website: <https://en.unesco.org/underwater-heritage/UN-decade>.
- **United Nations Environment Programme. (2021).** "From Pollution to Solution: A Global Assessment of Marine Litter and Plastic Pollution". Nairobi. <http://www.unep.org/resources/pollution-solution-global-assessment-marine-litter-and-plastic-pollution>.
- **United Nations, Department of Economic and Social Affairs, Population Division. (2019).** "World Population Prospects 2019 (scenario median)". <https://population.un.org/wpp/DataQuery/>.
- **United Nations. (2012).** "The future we want - Oceans." Fact sheet for RIO+20.

- **United Nations. (2021).** "The Second World Ocean Assessment" (WOA), vol. 1, chap. 4, New York.
- **United Nations. (2021).** "The Second World Ocean Assessment World Ocean Assessment II." eISBN: 978-92-1-1-604006-2 <https://www.un.org/regularprocess/sites/www.un.org.regularprocess/files/2011859-e-woa-ii-vol-i.pdf>.
- **United Nations. (2022).** "Climate Action." <https://www.un.org/fr/climatechange/science/climate-issues/ocean-impacts>.
- **University of California Santa Barbara. (2022).** "The Ocean: Aquaculture", Strategic Intelligence, WEF, 2022.
- **UNODC. (2020).** "Global Survey on Firearms Trafficking".
- **Van Dover, C.L., (2000).** "The ecology of deep-sea hydrothermal vents." 424 pp. Princeton University Press, Princeton, NJ.
- **Vagg, R. (Ed.). (2006).** Migratory species and climate change: Impacts of a changing environment on wild animals. UNEP/Earthprint.
- **Verlomme, H. (2018).** "Tomorrow's Ocean: Thousands of initiatives to save the sea... and humanity." Illustrated edition. Paris: Albin Michel; Porter, Amanda J., Philipp Tuertscher, and Marleen Huysman. "Saving Our Oceans: Scaling the Impact of Robust Action Through Crowdsourcing." *Journal of Management Studies* 57, no: 246-86. <https://doi.org/10.1111/joms.12515>.
- **Vollset, S. E., Goren, E., Yuan, C. W., Cao, J., Smith, A. E., Hsiao, T., ... & Murray, C. J. (2020).** Fertility, mortality, migration, and population scenarios for 195 countries and territories from 2017 to 2100: a forecasting analysis for the Global Burden of Disease Study. *The Lancet*, 396(10258), 1285-1306.
- **Vousdoukas, M. I., Ranasinghe, R., Mentaschi, L., Plomaritis, T. A., Athanasiou, P., Luijendijk, A., & Feyen, L. (2020).** Sandy coastlines under threat of erosion. *Nature climate change*, 10(3), 260-263.
- **Viviane, C., Kumari Rigaud, K., de Sherbinin, A., Jones, B., Adamo, S., Schewe, J., Sadiq, N., & Shabahat, E. (2021).** "Groundswell Part 2: Acting on.
- **Weeman, K. & Lynch, P. (2018).** "New study finds sea level rise accelerating." NASA. Available at: <https://climate.nasa.gov/news/2680/new-study-finds-sea-level-rise-accelerating/>.

- **WEF, Strategic Intelligence. (2016).** "The effect of rights-based fisheries management on risk taking and fishing safety". *The Ocean, Briefing*; Pfeiffer, Lisa, et Trevor Gratz. *Proceedings of the National Academy of Sciences* 113, no 10: 2615-20. <https://doi.org/10.1073/pnas.1509456113>;
- **Weitz, R. (2018).** "Strategic Maritime Chokepoints: Perspectives from the Global Shipping and Port Sectors", in GRESH, Geoffrey F. (dir), *Eurasia's Maritime Rise and Global Security*, Washington, Palgrave Macmillan, 303 p., pp. 18-19.
- **World Bank. (2022).** "Global Economic Prospects June 2022". Washington, D.C. <https://www.banquemondiale.org/fr/news/press-release/2022/06/07/stagflation-risk-rises-amid-sharp-slowdown-in-growth-energy-markets>.
- **World Register of Marine Species.** Available from <https://www.marinespecies.org> at VLIZ. Accessed 2023-02-10. doi:10.14284/170.
- **WWF. (2019).** Dalberg Advisors, "Plastic pollution: whose fault is it? Identifying systemic failures and presenting the zero plastic in nature scenario in 2030". [https://www.wwf.fr/sites/default/files/doc-2019-03/20190305\\_Rapport\\_Pollution-plastique\\_a\\_qui\\_la\\_faute\\_WWF.pdf](https://www.wwf.fr/sites/default/files/doc-2019-03/20190305_Rapport_Pollution-plastique_a_qui_la_faute_WWF.pdf).
- **Xie, Y., Wu, G., Liu, Y. et al. (2022).** "A dynamic and thermodynamic coupling view of the linkages between Eurasian cooling and Arctic warming." *Clim Dyn* 58, 2725–2744. <https://doi.org/10.1007/s00382-021-06029-8>.
- **Ziegler, D. (2021).** "The world is waking up to the scourge of illegal fishing". *The Economist*. <https://www.economist.com/the-world-ahead/2021/11/08/the-world-is-waking-up-to-the-scourge-of-illegal-fishing>.