IMBeR Annual Report to SCOR 2021 – 2022

Summary 200-300 words

Over the past year, the Integrated Marine Biosphere Research project (IMBeR) has published 96 papers, making significant progress in understanding and predicting the marine environment, and proposing future research directions. The ‘*Southern Ocean Action Plan 2021-2030*’ ([Janssen et al., 2022](https://www.sodecade.org/action-plan/southern-ocean-action-plan/#:~:text=the%20Southern%20Ocean%20Action%20Plan,-In%202017%2C%20the&text=The%20initiative%20strives%20to%20strengthen,society%20at%20the%20global%20scale.)), also a contribution to the UN Decade of Ocean Science for Sustainable Development 2021-2030 (UNDOS), was co-authored by Integrating Climate and Ecosystem Dynamics in the Southern Ocean (ICED; an IMBeR Regional Programme) and developed through a stakeholder-oriented process. [Murphy et al. (2021)](https://www.frontiersin.org/articles/10.3389/fmars.2021.760731/full) outlined how lessons from the COVID-19 pandemic can inform a risk based approach to developing plans for mitigating and adapting to ocean change. IMBeR’s Interdisciplinary Marine Early Career Network (IMECaN) proposed blinded review in scientific publishing to help reduce biases that negatively affect under-represented and minority scientists ([Brodie et al., 2021](https://www.cell.com/trends/ecology-evolution/fulltext/S0169-5347(21)00218-4?_returnURL=https%3A%2F%2Flinkinghub.elsevier.com%2Fretrieve%2Fpii%2FS0169534721002184%3Fshowall%3Dtrue)). Three special issues were published: ‘*Solving Complex Ocean Challenges Through Interdisciplinary Research: Advances from Early Career Marine Scientists*’ ([Brodie et al. eds](https://www.frontiersin.org/research-topics/11540/solving-complex-ocean-challenges-through-interdisciplinary-research-advances-from-early-career-marin)); ‘*The Second International Indian Ocean Expedition (IIOE-2): New Exploration in a Poorly Understood Ocean Basin (volume 4)’*([Hood et al. eds](https://doi.org/10.1016/j.dsr2.2022.105047)); and ‘*Marine Ecosystem Assessment for the Southern Ocean: Meeting the Challenge for Conserving Earth Ecosystems in the Long Term’*([Constable et al. eds](https://www.frontiersin.org/research-topics/10606/marine-ecosystem-assessment-for-the-southern-ocean-meeting-the-challenge-for-conserving-earth-ecosys)). IMBeR also held three large events which were endorsed by UNDOS and collectively convened more than 1000 participants from over 80 countries. These were the [IMBIZO6](https://imber.info/event/imbizo-6-buoyant-solutions-for-ocean-sustainability/) Conference – ‘*Marine Biosphere Research: Buoyant Solutions for Ocean Sustainability*’, the [IMBeR West Pacific Symposium](https://imber.info/event/wps2021/) – ‘*Changing West Pacific Ocean: Science and Sustainability*’, and the [ClimEco7](https://imber.info/event/imber-climeco7-summer-school-interdisciplinary-ocean-science-for-sustainable-development-goals/) Summer School – ‘*Interdisciplinary Ocean Science for Sustainable Development*’.