



OCEANPLAN explored the interlinks between climate change and marine spatial planning globally

PICTURE BY OLIVER SJOSTROM AT PEXELS.COM

LESSONS LEARNED FROM PROJECT OCEANPLAN: MARINE SPATIAL PLANNING IN A CHANGING CLIMATE



CATARINA FRAZÃO SANTOS (PI) | WWW.OCEANPLAN-PROJECT.COM | CFSANTOS@FC.UF.L.PT | @OCEANPLAN_MSP

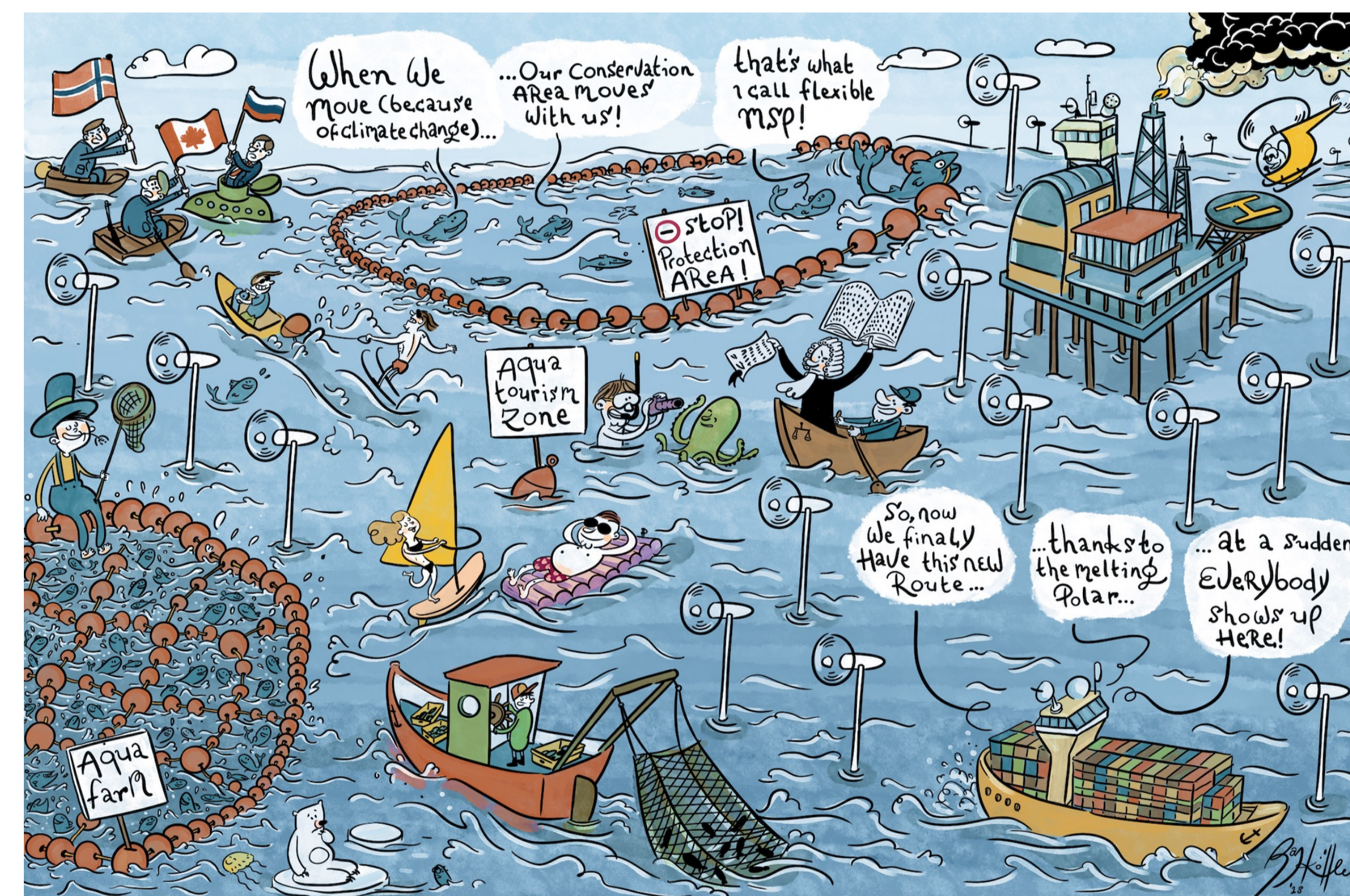
- 6 WORK PACKAGES
- 21 PEOPLE . 9 INSTITUTIONS (academia, research, independent organizations)
- 48 MONTHS (2018-2022)
- 11 PUBLICATIONS
- 29 COMMUNICATIONS & 4 DEDICATED SESSIONS

SPATIAL PLANNING OF MARINE AREAS IS VITAL TO BALANCE MULTIPLE HUMAN DEMANDS AND ENSURE A HEALTHY OCEAN, WHILE SUPPORTING GLOBAL OCEAN GOALS. TO THRIVE IN A CHANGING OCEAN THOUGH, MARINE SPATIAL PLANNING (MSP) MUST EFFECTIVELY INTEGRATE CLIMATE CHANGE

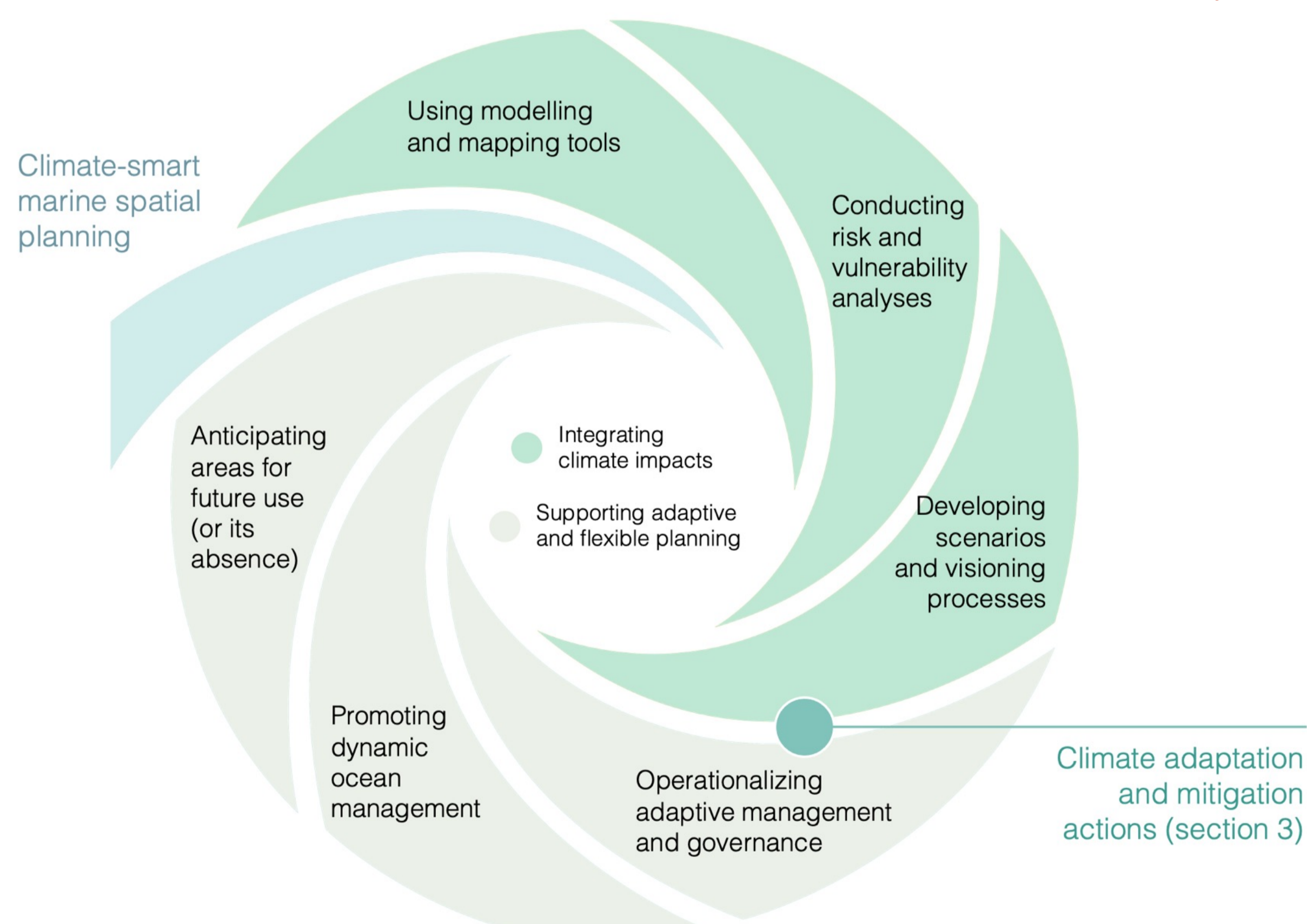
PROJECT OCEANPLAN (2018-2022) HIGHLIGHTED MANAGEMENT CHALLENGES, IDENTIFIED POTENTIAL PATHWAYS TO GUIDE ACTION TOWARDS THE EFFECTIVE INTEGRATION OF CLIMATE IMPACTS IN MSP, AND RAISED AWARENESS AND FOSTERED DISCUSSION ON THE TOPIC GLOBALLY



nature sustainability rdcu.be/b3WCS



A CROWDED OCEAN UNDER A CHANGING CLIMATE. This cartoon illustrates the challenge of meeting multiple objectives in an increasingly crowded and changing ocean—a challenge MSP will have to deal with. There is a clear reference to the Arctic Ocean, where previously inaccessible areas are becoming available for human exploitation due to reductions in sea-ice cover, and where spatial management challenges are expected to be great. There is also a clear reference to spatially dynamic marine protected areas that move with their target species.



CLIMATE-SMART SOLUTIONS FOR MARINE SPATIAL PLANNING. The climate-smart MSP cycle needs to articulate two main phases, the integration of knowledge on climate-related impacts into the planning process (e.g., condition review, scenario planning), and the subsequent promotion of adaptive and flexible planning (e.g., dynamic zoning, adaptive governance) to respond to identified changes.

DISSEMINATION & COMMUNICATION



- UPCOMING PUBLICATIONS
- MARINE SPATIAL PLANNING IN THE AGE OF CLIMATE CHANGE (BOOK CHAPTER)
- OCEAN PLANNING AND CONSERVATION IN THE AGE OF CLIMATE CHANGE: A ROUNDTABLE DISCUSSION (SYMPOSIUM ARTICLE)
- A CODE OF CONDUCT FOR CLIMATE-SMART OCEAN PLANNING (PERSPECTIVE ARTICLE)
- GLOBAL PERCEPTIONS ON THE NEED FOR CLIMATE-SMART MARINE SPATIAL PLANNING (RESEARCH ARTICLE)



SPECIAL COLLECTION: OPEN FOR SUBMISSIONS

npj | ocean sustainability

Collection | 28 March 2023

Moving towards Climate-smart Ocean Planning

Marine spatial planning initiatives need to become climate-smart — properly integrating climate change — to be sustainable equitable and relevant under a changing ocean.

Image: © Bas Köhler

Open for submissions