



PREP4BLUE

METHODS AND TOOLS FOR MISSION OCEAN & WATERS

Preparing the Research & Innovation Core for Mission Ocean, Seas & Waters

GLOSSARY

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Note: the glossary does not provide official definitions but explanations based on recognized information sources

	TOPIC	TERM	ACRONYM	DEFINITION	SOURCE	CITATION
1	Awareness campaigns & Ocean Literacy	Behaviour change		Any modification in behaviour altering the way in which the individual acts or reacts. The change may happen spontaneously and involuntarily without any intervention, or it may be systematic and prompted by conditioning.	https://psychologydictionary.org/	Psychology Dictionary
2	Socio-ecological management	Blue biotechnology		is the application of science and technology to living aquatic organisms for the production of knowledge, goods and services	https://oceans-and-fisheries.ec.europa.eu/ocean/blue-economy/blue-bioeconomy-and-blue-biotechnology_en	[1]
3	Socio-ecological management	Blue carbon sequestration		is a process in which carbon dioxide is removed from the atmosphere and stored in Coastal Blue carbon ecosystems (BCE): mangroves, seagrass meadows and tidal marshes	https://oceanpanel.org/wp-content/uploads/2023/06/Ocean_Panel_Blue_Carbon_Handbook-1.pdf	[2]
4	Awareness campaigns & Ocean Literacy	Blue schools		Schools committed to empower educators, students and educational communities to help integrate and promote Ocean Literacy principles.	http://www.seachangeproject.eu/images/SEACHANGE/Media_Centre/sc_KA_booklet.pdf	-
5	Fisheries/Aquaculture	Bottom trawling		is a fishing practice that herds and captures the target species, like ground fish or crabs, by towing a net along the ocean floor	https://www.fisheries.noaa.gov/national/bycatch/fishing-gear-bottom-trawls	-
6	Fisheries/Aquaculture	Bycatch		Discarded catch of marine species and unobserved mortality due to a direct encounter with fishing vessels and gear	https://www.fisheries.noaa.gov/insight/understanding-bycatch	-

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7	Socio-ecological management	Carbon-neutral economy		refers to having a balance between emitting carbon and absorbing carbon from the atmosphere in carbon sinks. So, the aim is to offset emissions made in one sector by reducing them somewhere else. This can be done through investment in renewable energy, energy efficiency or other clean, low-carbon technologies. The EU's emissions trading system (ETS) is an example of a carbon offsetting system.	[3]	
8	Socio-ecological management	Circular economy		is a system which maintains the value of products, materials and resources in the economy for as long as possible, and minimises the generation of waste. This means a system where products are reused, repaired, remanufactured or recycled	https://eur-lex.europa.eu/EN/legal-content/glossary/circular-economy.html	-
9	Citizen & Stakeholder engagement	Citizen		Any member of a society in which PREP4BLUE is active. In general, when used in PREP4BLUE, 'citizens' emphasizes the non-specialist and non-elite nature of the individuals in question	https://www.oecd-ilibrary.org/governance/innovative-citizen-participation-and-new-democratic-institutions_b40aab2a-en	[4]
10	Citizen & Stakeholder engagement	Citizen Assembly		An organised coming together of citizens for a particular purpose that engages with Mission Ocean. Citizen assemblies should ensure diversity of participants; allow space for deliberation, and lead to participants making informed decisions/recommendations	https://www.fide.eu/	

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11	Citizen & Stakeholder engagement	Citizen Science	CS	Citizen Science promotes the collaboration between non-professionals and scientists and in a two-way process. Citizens can engage in various degrees from co-design and co-creation, through problem definition, data collection, analysis, and dissemination of results, to participation as interpreters of information and sensors...The benefits are shared: scientists enhance their monitoring and analytical capacities and citizens gain scientific knowledge, awareness, and recognition.	-	[5]
12	Citizen & Stakeholder engagement	Community of Practice	CoP	"[A community] of practice [is a group] of people who share a concern, a set of problems, or a passion about a topic, and who deepen their knowledge and expertise in this area by interacting on an ongoing basis	-	[6], [7]
13	Awareness campaigns & Ocean Literacy	Competence		The proven ability to use knowledge, skills and personal, social and/or methodological abilities, in work or study situations, and in professional and personal development.	https://ec.europa.eu/ploteus/sites/eac-eqf/files/en.pdf	[8]
14	Awareness campaigns & Ocean Literacy	Cross-sector knowledge, skills and competences		knowledge, skills and competences that are relevant to occupations across several economic sectors	https://ec.europa.eu/ploteus/sites/eac-eqf/files/en.pdf	[9]
15	Socio-ecological management	Ecosystem-Based management	EBM	is an approach developed to work on wicked problems that recognises social-ecological systems and the need to incorporate systems thinking into natural resource management	https://link.springer.com/chapter/10.1007/978-3-030-45843-0_1	[10]
16	Citizen engagement	Empowerment		The process through which actors gain the [capacity] to mobilize resources and institutions to achieve a goal. This process of 'gaining capacity' [is unpacked] along three dimensions: (1) access to resources and institutions, (2) strategies to mobilize them and (3) the willingness to do so'	https://onlinelibrary.wiley.com/doi/abs/10.1002/eet.1777	[11]

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17	Awareness campaigns & Ocean Literacy	Knowledge		The body of facts, principles, theories and practices that is related to a field of work or study. Knowledge is described as theoretical and/or factual, and is the outcome of the assimilation of information through learning.	https://ec.europa.eu/ploteus/sites/eac-eqf/files/en.pdf	[9]
18	Awareness campaigns & Ocean Literacy	Knowledge exploitation results	KER	Tangible or intangible outputs of the action, such as data, knowledge and information whatever their form or nature which have been deemed to be of high priority for project transfer actions	https://www.columbusproject.eu/	[12]
19	Awareness campaigns & Ocean Literacy	Knowledge output	KO	A unit of knowledge that has been generated out of a scientific project. It is not limited to <i>de-novo</i> or pioneering discoveries but may also include new methodologies/processes, adaptations, insights, alternative applications of prior know-how/knowledge	https://www.columbusproject.eu/	[12]
20	Awareness campaigns & Ocean Literacy	Knowledge transfer	KT	Enabling knowledge and ideas to move between knowledge sources to the potential users of the knowledge. It consists of a variety of activities which aim to capture and pass on knowledge, skills and competence from those who generate them to those who can use them	https://www.columbusproject.eu/	[12]
21	Awareness campaigns & Ocean Literacy	Knowledge transfer plan	KTP	Informed stepwise plan for achieving the identified eventual impact of any piece of knowledge, regardless of whether this impact is achievable in the short, medium or long term	https://www.columbusproject.eu/	[12]
22	Macro & micro plastics	Marine biodegradable materials		are materials that can be broken down by natural processes. They degrade into natural components and do not harm the environment. Examples of biodegradable materials commonly used in the marine environment include plant-based plastics, natural fibers, and biopolymers	https://ts2.space/en/the-role-of-biodegradable-and-eco-friendly-materials-in-marine-and-aquatic-ecosystems/	-
23	Macro & microplastics	Microplastic		are small pieces of plastics, usually smaller than 5mm. They are persistent, very mobile and hard to remove from nature	https://environment.ec.europa.eu/topics/plastics/microplastics_en	-

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24	Awareness campaigns & Ocean Literacy	Multiple dimensions of ocean literacy		<p>First introduced in the early 2000s, the concept of ocean literacy has evolved in recent years, not least since its inclusion as a mechanism for change within the United Nations Ocean Decade's goals. Building on early definitions of ocean literacy, there has been increasing recognition of a range of additional dimensions which contribute to an individual or collective sense of 'ocean literacy'. Drawing on existing research and parallel and supporting concepts, e.g., marine citizenship, ocean connectedness, and public perceptions research, this new framework includes ten dimensions of ocean literacy:</p> <ol style="list-style-type: none"> 1. knowledge 2. communication 3. behaviour 4. awareness 5. attitudes 6. activism 7. emotional connection 8. access and experience 9. adaptive capacity 10. trust and transparency 	https://www.sciencedirect.com/science/article/pii/S0025326X22011493	[13]
25	Socio-ecological management	Nature-based solutions for ecosystem restoration	NBS	as actions to protect, conserve, restore, sustainably use and manage natural or modified terrestrial, freshwater, coastal and marine ecosystems, which address social, economic and environmental challenges effectively and adaptively, while simultaneously providing human well-being, ecosystem services and resilience and biodiversity benefits	https://wedocs.unep.org/bitstream/handle/20.500.11822/39864/NATURE-BASED%20SOLUTIONS%20FOR%20SUPPORTING%20SUSTAINABLE%20DEVELOPMENT.%20English.pdf?sequence=1&isAllowed=y	UNEP/EA.5/Res.5

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26	Citizen engagement	Network		A network is a named group of entities that is concerned with or works on a given topic. Networks persist as specific members come and go, and outside of specific projects, initiatives or pieces of work. Networks connect individuals, organizations, institutions, and projects that share an objective	https://gsnetworks.org/what-is-a-multi-stakeholder-network-for-global-problem-solving/	
27	Awareness campaigns & Ocean Literacy	Ocean health		The exact definition of ocean health varies across locations and stakeholders, but it often consist of a diverse set of management goals related to how people use and value the marine environment.	http://dx.doi.org/10.1890/ES11-00366.1	[14]
28	Awareness campaigns & Ocean Literacy	Ocean literacy	OL	Understanding of the ocean's influence on human beings and their influence on the ocean.	http://www.coexploration.org/oceanliteracy/documents/OceanLitChart.pdf	[15]
29	Awareness campaigns & Ocean Literacy	Ocean literacy principles		Seven Essential Principles (developed in 44 Fundamental Concepts) identifying the content knowledge that an ocean literate person should know by the end of secondary school. They were developed for the United states, based in a collaborative approach including educators, scientists and Administrations: Principle 1: Earth has one big Ocean with many features Principle 2: The ocean and life in the ocean shape the features of the Earth. Principle 3: The ocean is a major influence on weather and climate. Principle 4: The ocean made earth habitable. Principle 5: The ocean supports a great diversity of life and ecosystems Principle 6: The ocean and humans are inextricably interconnected Principle 7: The ocean is largely unexplored.	http://www.marineboard.eu/publication/review-ocean-literacy-european-maritime-policy https://unesdoc.unesco.org/ark:/48223/pf0000260721	[16], [17]

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30	Awareness campaigns & Ocean Literacy	Ocean sciences education		Refers to education based on the disciplines addressing the global marine environment. The disciplines can be divided into physical oceanography, geological oceanography, chemical oceanography and marine biology.	https://www.bangor.ac.uk/oceansciences/about/what.php.en	-
31	Awareness campaigns & Ocean Literacy	Skill		The ability to apply knowledge and use know-how to complete tasks and solve problems. Skills are described as cognitive (involving the use of logical, intuitive and creative thinking) or practical (involving manual dexterity and the use of methods, materials, tools and instruments).	https://ec.europa.eu/ploteus/sites/eac-eqf/files/en.pdf	[9]
32	Awareness campaigns & Ocean Literacy	Skill needs		Demand for particular types of skills, competences or qualifications on the labour market (total demand in a country or in a region, economic sector, etc.).	https://www.cedefop.europa.eu/files/4106_en.pdf	[18]
33	Awareness campaigns & Ocean Literacy	Skill Shortage		Situation where skills supply (type of abilities and number of people available on the labour market) is not sufficient to meet labour market demand. Comments: a skill shortage applies to all levels of qualification; it may result from factors such as <ul style="list-style-type: none"> - insufficient education and training supply - geographical imbalance in supply - developments impacting the structure of the economy - lack of attractiveness of specific occupations (difficult working or conditions, low remuneration, insufficient social recognition) - lack of attractiveness of specific occupations (difficult work conditions, low remuneration, insufficient social recognition) 	https://www.cedefop.europa.eu/files/4106_en.pdf	[18]

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34	Citizen & Stakeholder engagement	Stakeholder		A person such as an employee, customer, or citizen who is involved with an organization, society, etc. and therefore has responsibilities towards it and an interest in its success	https://dictionary.cambridge.org/dictionary/english/stakeholder	
35	Citizen engagement	Technology Acceptance Model	TAM	The technology acceptance model (TAM) explains the acceptance of information systems by individuals. TAM postulates that the acceptance of technology is predicted by the users' behavioural intention, which is, in turn, determined by the perception of technology usefulness in performing the task and perceived ease of its use	https://open.ncl.ac.uk/theories/1/technology-acceptance-model/	[19]
36	Citizen engagement	Technology Adoption Curve	TAC	The technology adoption curve uses the bell curve system to categorize five types of employees and how they react to adopting, accepting, and using new kinds of implemented technology in a business environment.		
37	Awareness campaigns & Ocean Literacy	Transversal knowledge, skills and competences		Knowledge, skills and competences are relevant to a broad range of occupations and sectors	https://ec.europa.eu/ploteus/sites/eac-eqf/files/en.pdf	[9]

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