

WKCCMM - ICES/EUROMARINE Workshop on Common Conceptual Mapping Methodologies

The **ICES/EUROMARINE Workshop on Common Conceptual Mapping Methodologies** (WKCCMM), chaired by Debbi Pedreschi, Ireland, Maria Cristina Mangano, Italy, and Marcos Llope, Spain, will be established and will meet in Galway, Ireland, 1 – 5 November, 2021 to:

- a) Develop a common understanding across ICES working groups on conceptual mapping methodologies, their key uses and limitations, and processes for effective conceptual modelling with stakeholders. This will help to identify commonalities, differences and issues encountered, and standardise methodological approaches useful for a variety of applications (e.g. developing food-webs, socio-ecological modelling, rapid/initial management action and/or impact evaluations). ([Science Plan codes](#): 3.6, 6.1, 7.5)
- b) Develop semi-standardised conceptual mapping approaches and guidelines that can be used by those interested in using conceptual mapping as a tool in a variety of contexts, including in ICES Working Groups involved in Integrated Ecosystem Assessment (IEA) ([Science Plan codes](#): 6.3, 6.4).
- c) Investigate how the methodologies can be best used to contribute to Ecosystem Overviews (e.g., via foodweb and/or socio-ecological system modelling), Integrated Ecosystem Assessment, and to inform/underpin wider trade-off analyses relevant to ICES and the wider scientific community. ([Science Plan codes](#): 2.2, 6.5, 6.6, 7.3, 7.4, 7.6)
- d) Dissemination of workshop outputs to wider ICES and scientific community via online webinar and/or talk at the ICES Annual Science Conference.

WKCCMM will report by December 17th, 2021 for the attention of SCICOM.

Supporting information

Priority	This workshop specifically addresses a rapidly developing area within ICES IEA groups, and as such has been proposed (and awarded EuroMarine funding) via a collaborative effort of six different ICES groups, including the outgoing and incoming IEASG Chairs, and a Chair of the SIHD . Multiple IEA groups are currently advancing conceptual mapping methodologies in support of IEA/EO work, and as a method to engage with stakeholders (see WKCONSERVE). A common understanding across groups would not only help to eliminate redundancy in effort, but ensure improved transparency and consistency between groups and between EOs in line with TAF . Finally, as a potential vehicle for advancing identification of regionally relevant social and economic aspects/indicators, and as a format for advancing foodweb understanding, it is relevant to the priorities specified by WKEO3 and WKTRANSPARENT , to groups such as WGSOCIAL , WGCOMEDA and WGECON , and to progressing the SIHD .
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Scientific justification	<p>IEAs are a key tool enabling us to manage ocean complexity. Conceptual modelling facilitates and informs the scoping steps of IEA by identifying key drivers (economic, social, cultural, ecological) and priorities of stakeholders, including policy-makers. Understanding priorities and perceptions is critical to identifying risks and opportunities for action to instigate lasting change and provide the evidence required to protect the ocean commons.</p> <p>Social science integration into marine ecosystem assessment has been flagged by EuroMarine, ICES, and at the UN Decade of Ocean Science preparatory meetings as a key research need. WKCCMM tackles this need by bringing together social and natural scientists for knowledge exchange and skills-sharing on conceptual mapping methodologies to inform IEA. WKCCMM builds on current and ongoing IEA work in ICES and NOAA, with scaleable methods capable of focusing on multiple human uses of marine systems. The cross-collaboration of ICES, NOAA and EuroMarine scientists and standardisation of methodologies (adaptable to specific circumstances/needs) across IEA groups will benefit interested parties both within and beyond ICES.</p>
Resource requirements	Funding has been secured via EuroMarine subject to acknowledgement of the funding in the Workshop report. This funding will cover the hosting of the workshop and attendance of key participants.
Participants	Expected participants include Chairs or nominated attendees from IEASG groups, EuroMarine Network attendees, others interested in conceptual mapping methodologies, to a maximum of 20 individuals
Secretariat facilities	Online meeting coordination (if online or hybrid required)
Financial	No financial implications.
Linkages to advisory committees	There are no obvious direct linkages with the advisory committees, although later outputs may be of interest.
Linkages to other committees or groups	Highly relevant to all IEASG groups and the SIHD.
Linkages to other organizations	Joint ICES/EuroMarine workshop.