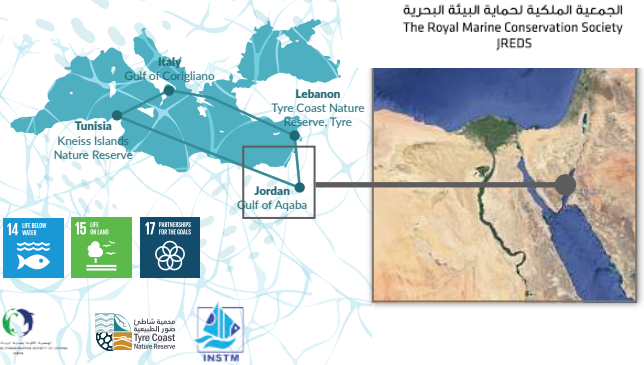
MED4EBM

Mediterranean Forum For Applied Ecosystem-Based Management

الجمعية الملكية لحماية البيئة البحرية
The Royal Marine Conservation Society
JREDS



MEDITERRANEAN FORUM FOR APPLIED ECOSYSTEM-BASED MANAGEMENT

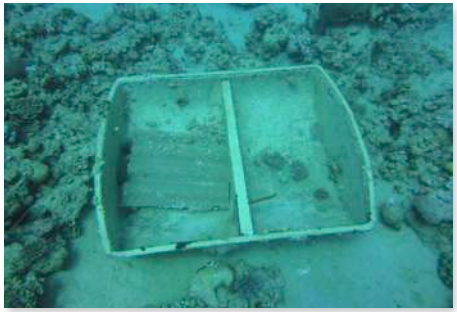
MULTI-STAKEHOLDERS COORDINATION PLATFORM: GULF OF AQABA - JORDAN

The gulf of Aqaba is the only marine access of Jordan stretching nearly 27 km in the Red Sea. This coastal area hosts a variety of conflicting uses ranging from tourism, port, industry, marine conservation as well as special uses. The shoreline is composed by rocky and sandy beaches with an extremely arid environment. The sea environment is rich with seagrass and coral reefs blending into an exceptionally valuable ecosystem lush in biodiversity. The marine ecosystem boasts more than 157 hard coral species with 510 fish species identified, of which 5% endemic.

"The management of the gulf of Aqaba requires to deal with a variety of conflicting issues. The ecosystem is under stress due to anthropogenic pressures such as tourism, fishing, port, industrial areas, waste and pollution. The protection and management of the seagrass and of coral reefs are major concerns for its environmental sustainability."

H.E. SULEIMAN AL - NJADAT
Commissioner for the Environment and the Natural Resources / ASEZA, explaining how to tackle Aqaba's major environmental problems:

"Activating the implementation of laws that protect the environment and the marine environment and organized and targeted awareness campaigns. Reducing all kinds of pollutants through various monitoring programs. Increase the monitoring programs for various sources of the marine environment. Increase the monitoring programs for various sources of the marine environment. Organizing and monitoring the work of various activities such as fishing, boating, tourism and industrial facilities."



WASTE

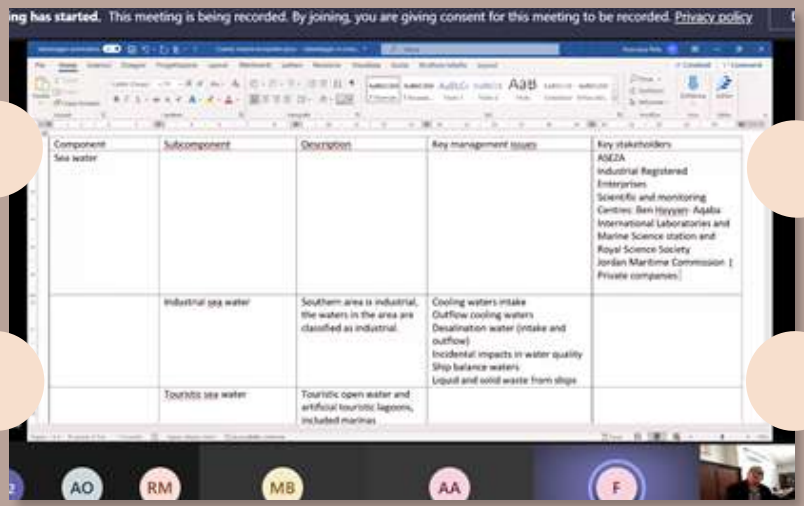
FISHING

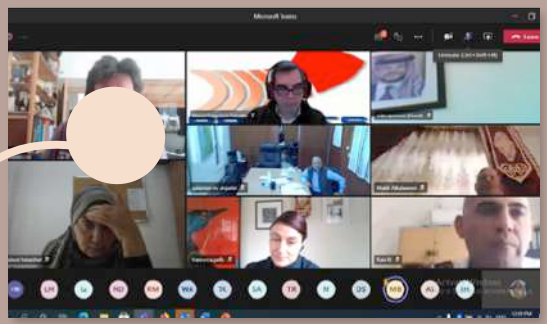
TOURISM

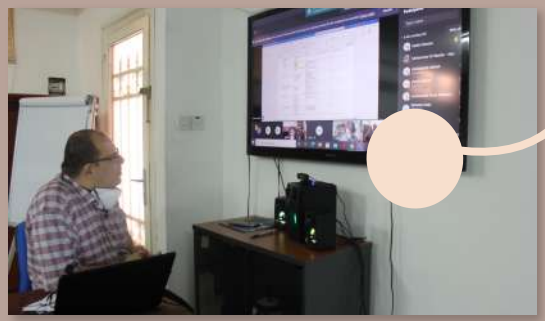
POLLUTION

Ecosystem-Based Integrated Coastal Zone Management Decision Support System application (EB-ICZM-DSS)

Multi-Stakeholders Working Group, First Workshop: March 2nd - 10th , 2021



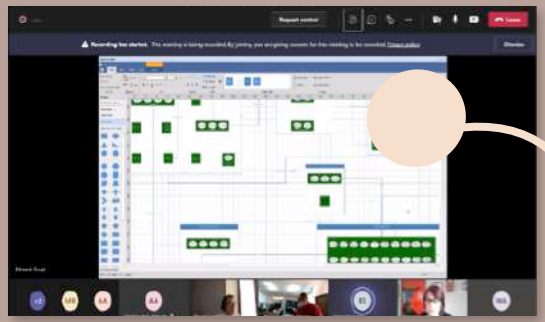


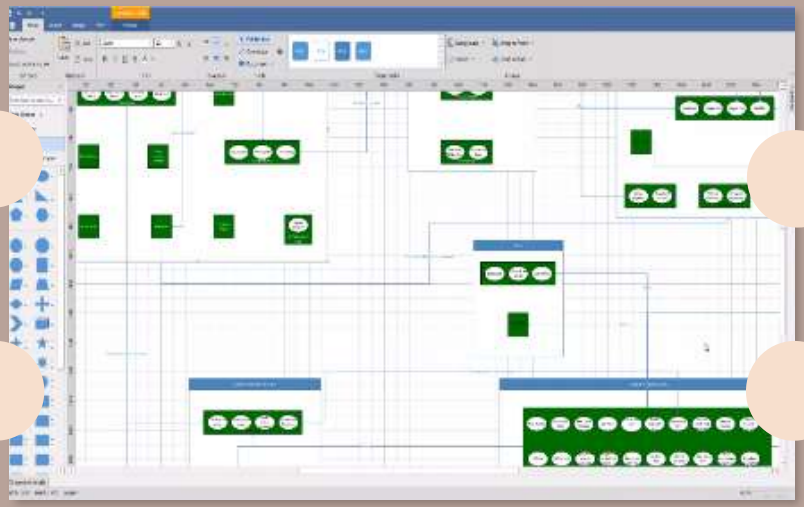


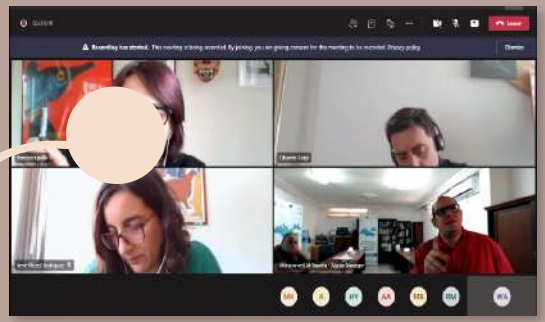
The participants developed the ecosystem context analysis recognizing connections, existing correlations and relationships within and across ecological and human systems spanning over the focused area. Actors, experts and stakeholders jointly identified key biophysical and socio-economic systems, assessed data availability and defined the spatial domain for the EB-ICZM-DSS application.

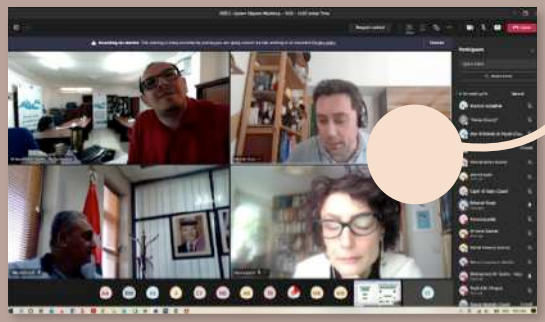
Decision Support System application
System Diagrams and Components

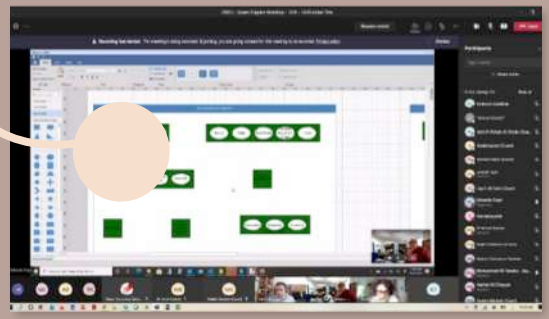
Multi-Stakeholders Working Group, Second Workshop: March 25th - April 1st, 2021











The workshop focused on enhancing stakeholder cooperation and coordination for implementing Ecosystem-Based Integrated Coastal Zone Management (EB-ICZM).

The JREDS team finalized the system diagrams using the ISP software recognizing the existing relations between the ecosystem components.

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