

Integrated Ecosystem Assessments (IEA) to support fisheries management



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Ecosystem based fisheries management

Ecosystem based management



INTEGRATED ECOSYSTEM ASSESSEMENT

Objectives, goals
& targets

Observations
Aggregated data
Model output
Indicators

Expert judgements
Integrated analyses
Identifying scenarios
Modelling & scenario testing

Ecosystem state & change
Main drivers & pressures
Vulnerabilities, risks & sustainability

ID areas of
concern

Management
options

Scope

Input

Methods

Output

Advice

IMPLEMENTATION

3. Quantitative

Statistical models
Numerical models

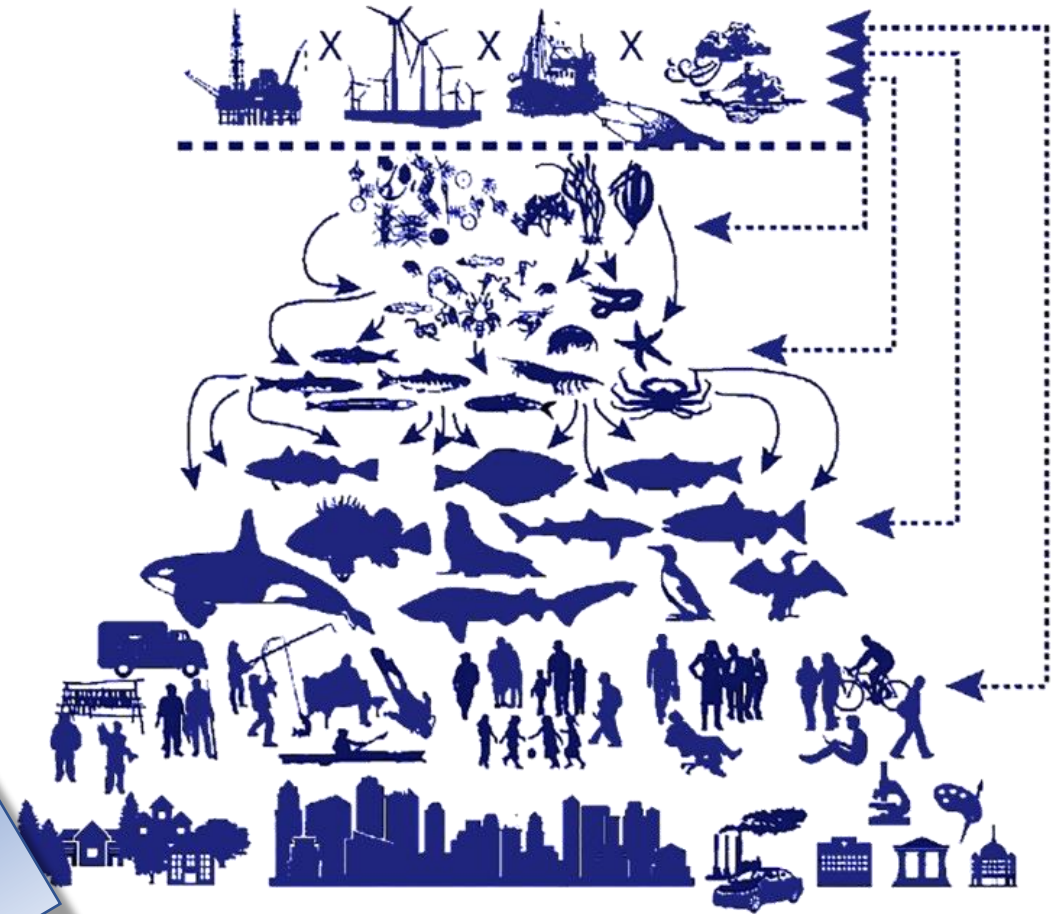
2. Semi-quantitative

Degree of overlap
Frequency of impact
Species/system vulnerability
Species/system resilience

1. Qualitative

Mapping pressures & drivers &
ecosystem components
Expert opinions
Conceptual/qualitative models

Data quality & process understanding



SCOPE

Action Points

- Develop guiding principles on Integrated Ecosystem Assessment (IEA) frameworks to support ecosystem based management across global oceans
- Secure the use of regional expertise in ocean assessments
- Develop ecosystem management objectives, in addition to sector specific objectives
- Support the FAIR principles (Findable, Accessible, Interoperable, Reusable) for data and information sharing