

EBM Knowledge Management: What Do We Need to Know to Manage?



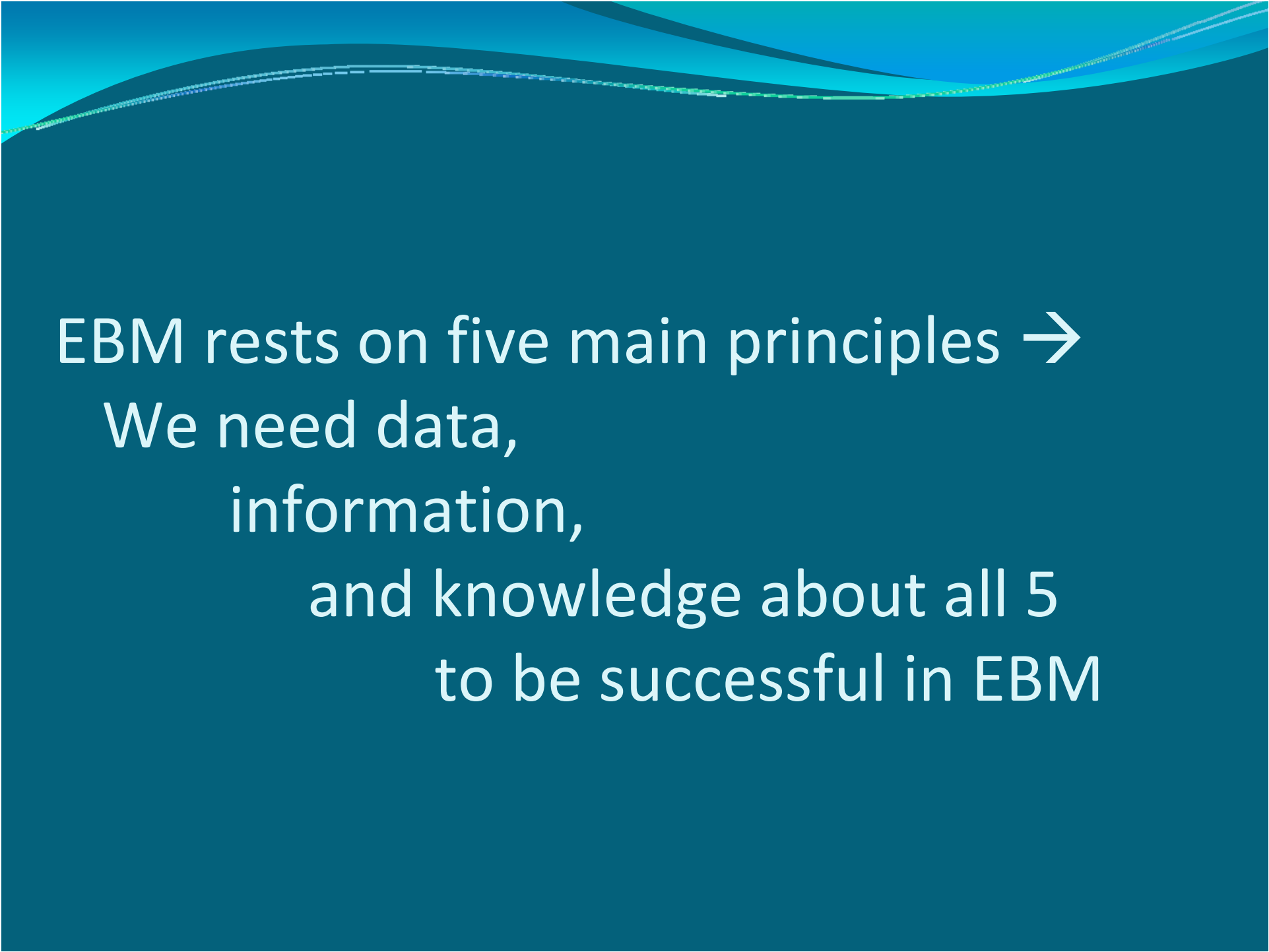
Tundi Agardy, Ph.D.
Sound Seas / Forest Trends

Types of knowledge needed for management:

- People's needs and aspirations
- The spatial dimension of ecosystem values, uses, existing management
- The problem that management needs to solve (what is preventing people from having their needs met and aspirations reached?)
- The health and functioning of the ecosystems, expected future resilience
- Governance and feasibility of integrated, effective management
- Choice of indicators for monitoring management effectiveness

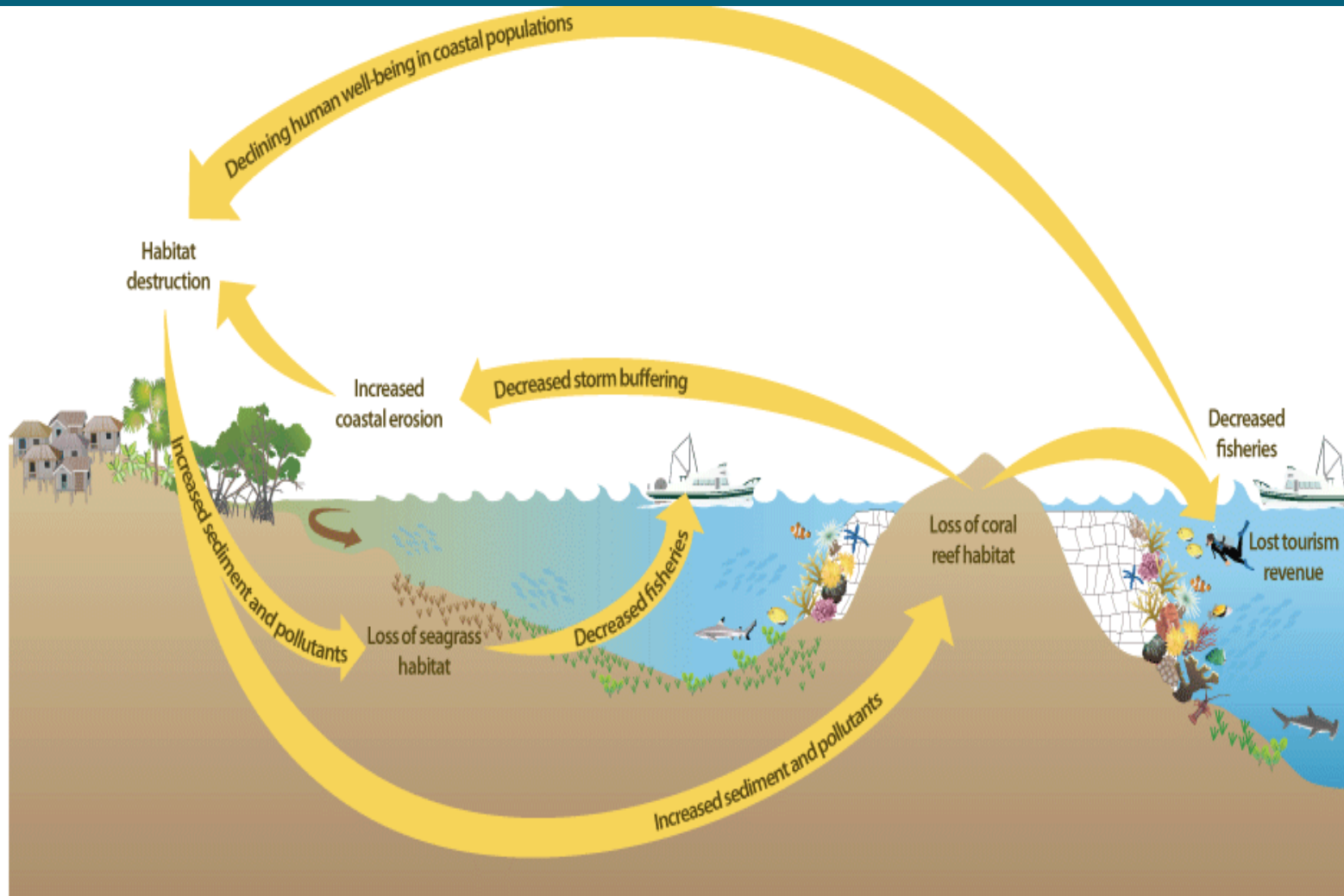
The nature of marine management:
Information is needed not only on how oceans are impacted
from what we do in the sea, but also by what we do on land



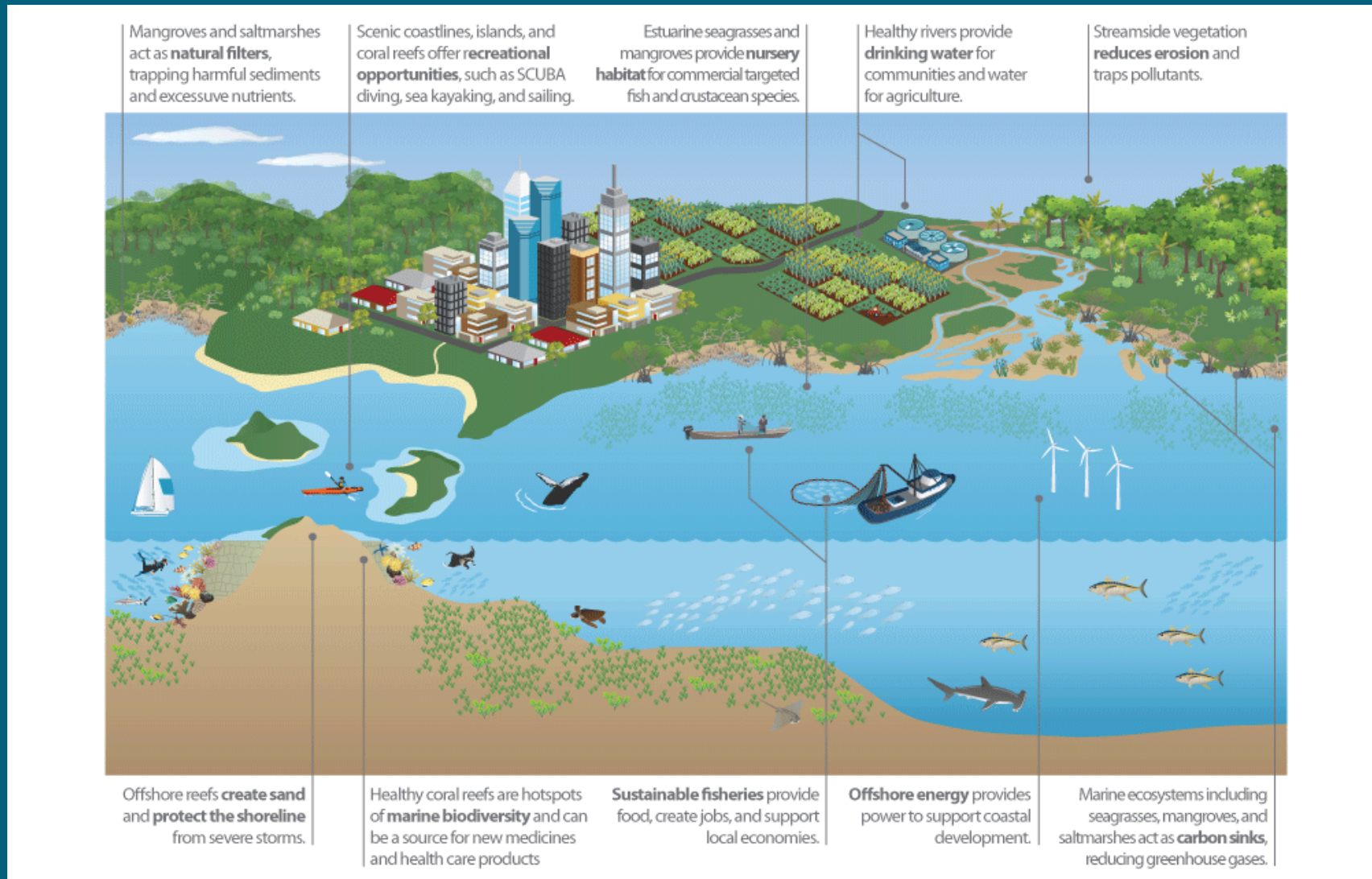


EBM rests on five main principles →
We need data,
information,
and knowledge about all 5
to be successful in EBM

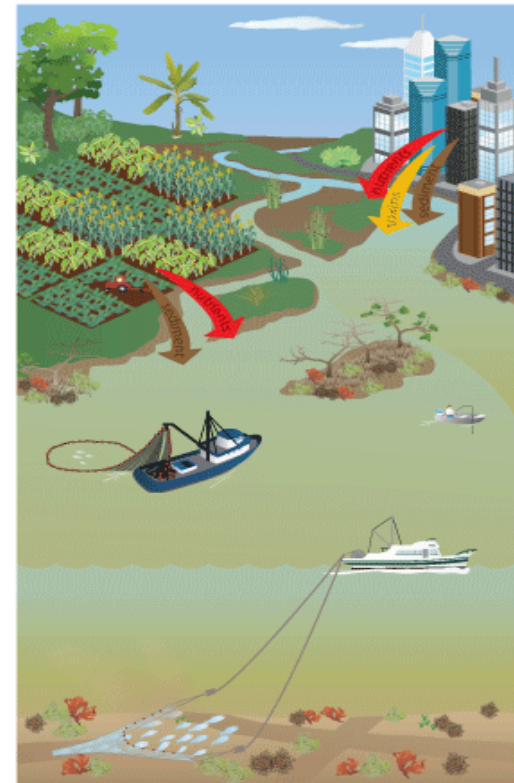
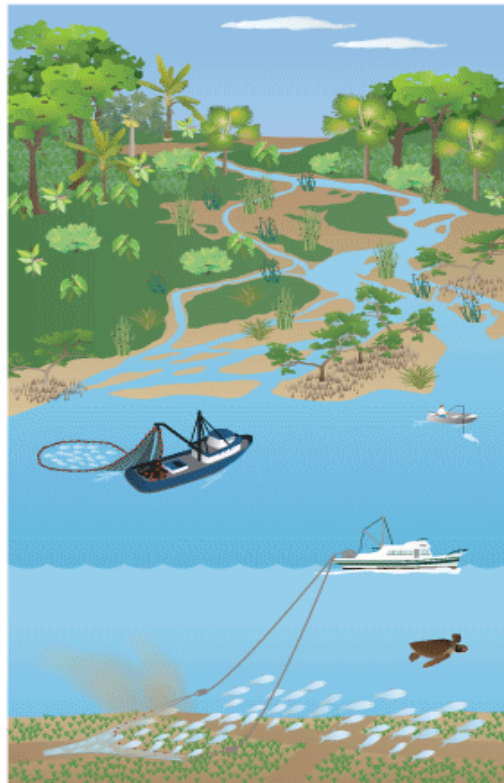
Recognizing Connections



Taking an Ecosystem Services Approach



Addressing Cumulative Impacts



Managing for Multiple Uses

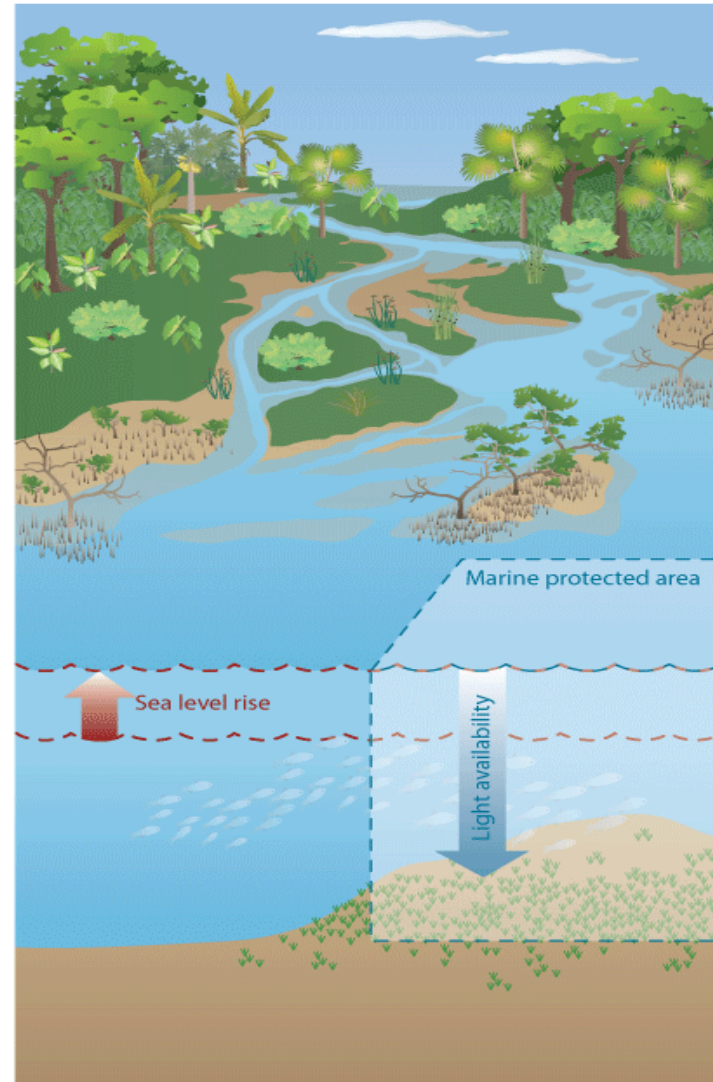
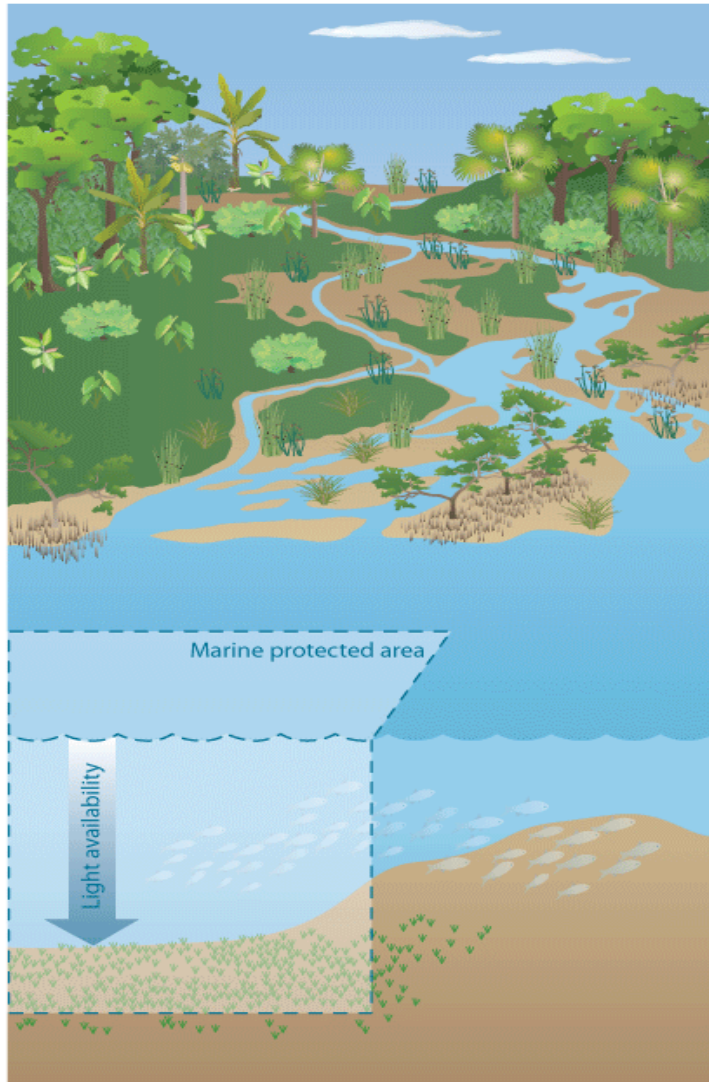
Conflicting uses



Accommodating uses and reducing conflict



Embracing Change, Learning, Adapting



Knowledge Management for EBM

must focus on ecosystems AND humans

What distinguishes sustainable use from pillaging is how well knowledge is used and shared to achieve effective management...

Scientific knowledge (ecology and social science in equal dimensions) must find its way into planning processes and policies so that unlocking the potential of the blue economy doesn't lead to pillaging of the marine environment.

Knowledge management can allow conservation to serve as the foundation for improved human well-being.

Knowledge can steer management toward effectiveness; while lack of knowledge (access or uptake) prevents EBM



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Unplanned development



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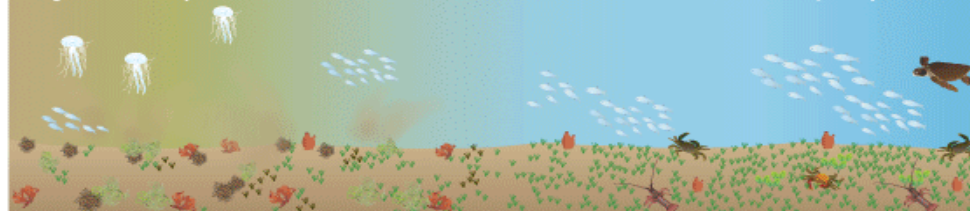
Planning with an ecosystem perspective



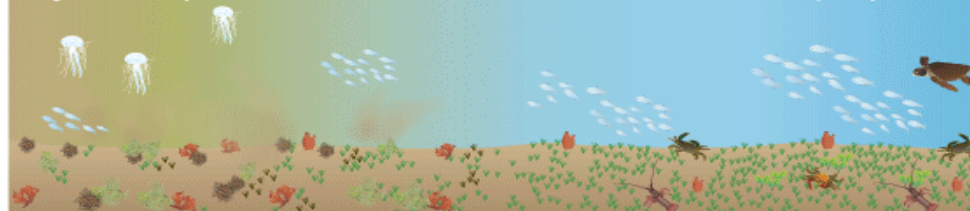
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Degraded and unproductive



Healthy and productive



The background is a solid dark teal color. At the top, there are several wavy, horizontal lines in lighter shades of blue and cyan. A dotted line, composed of small green and yellow dots, follows the curve of these waves across the top of the image.

Thank you!