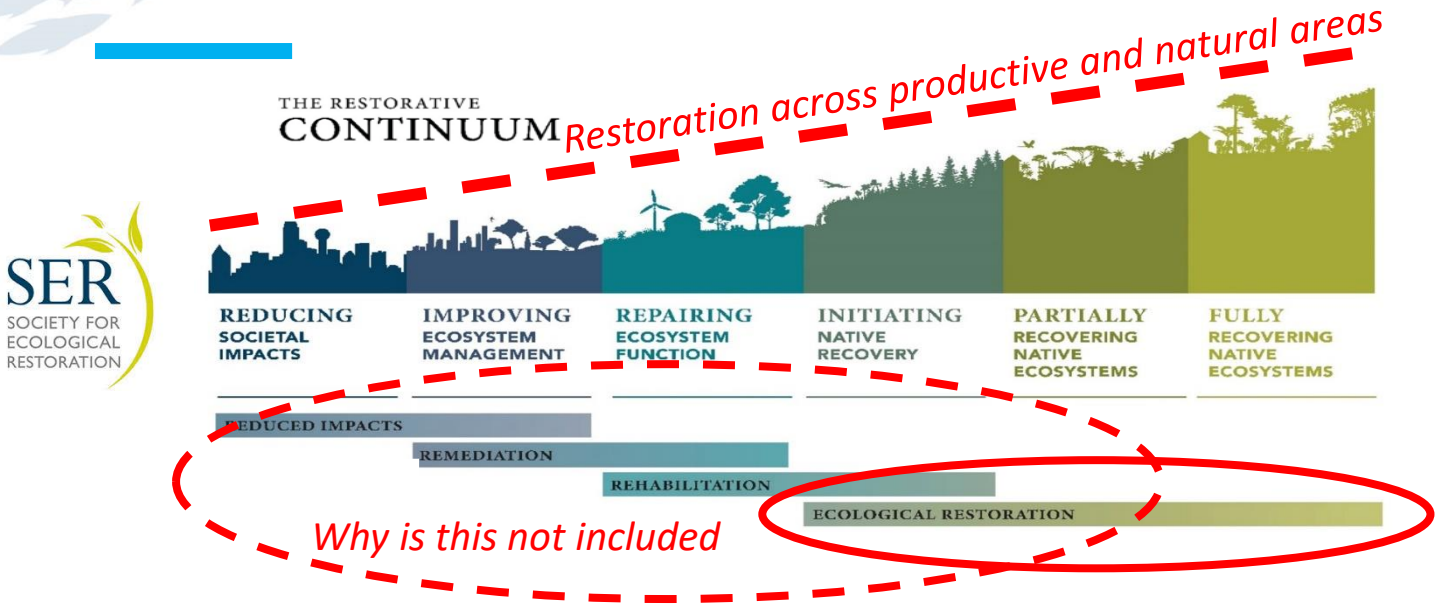
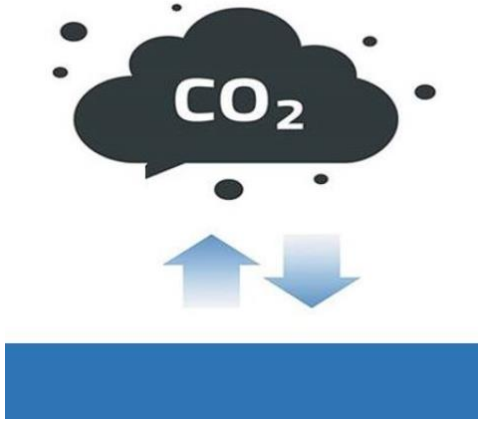

Food and Agriculture Organization of the United Nations
SUSTAINABLE DEVELOPMENT GOALS
14 LIFE BELOW WATER
UNITED NATIONS DECADE ON
ECOSYSTEM RESTORATION
2021-2030

Vision for Restoration — Challenges





- Aquatic systems many, dynamically interconnected, are largely absent.
- Restoration isn't Re-wilding — elevate focus on productive environments.
- Funding linked to C capture — coral systems not well placed.
- Focus is on what can be measured — satellite mechanisms well placed.

Why Restoration — and How

The objectives of the 2030 Agenda for Sustainable Development will not be achieved without large-scale restoration of degraded terrestrial, freshwater & marine ecosystems globally.

ARTICLE

https://doi.org/10.1038/s41467-020-15863-z OPEN

Changing role of coral reef marine reserves in a warming climate

in the 16 years following coral mortality, reserve effects were absent for the reef benthos, and greatly diminished for fish species richness. Positive fish biomass effects persisted, but the

Best-practice conventional management, plus

- **Carbon emissions reduction / capture**
- **Awareness, engagement & delivery of restoration through various intervention strategies**

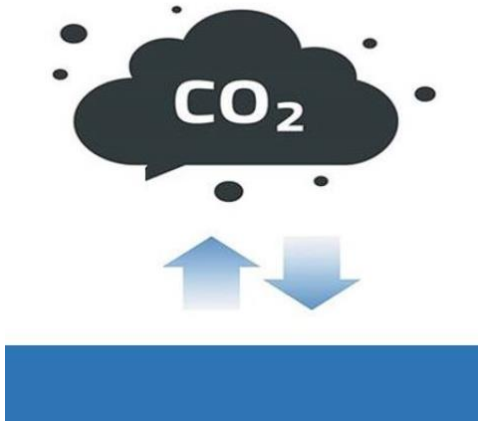
Food and Agriculture Organization of the United Nations

Reduce / Capture C Emissions

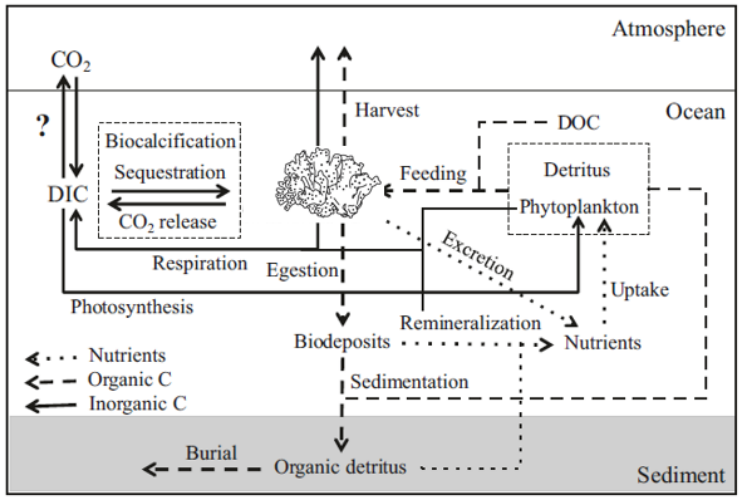
Coral Reefs (1991) 11:127–130

Coral reefs: sources or sinks of atmospheric CO_2?

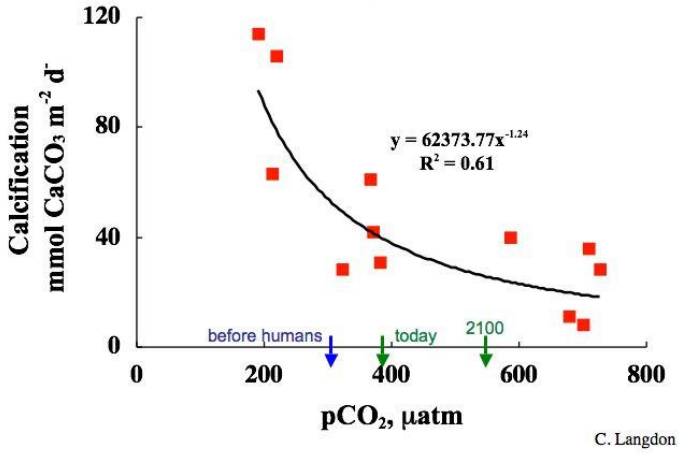
John R. Ware [1], Stephen V. Smith [2] and Marjorie L. Reaka-Kudla [3]



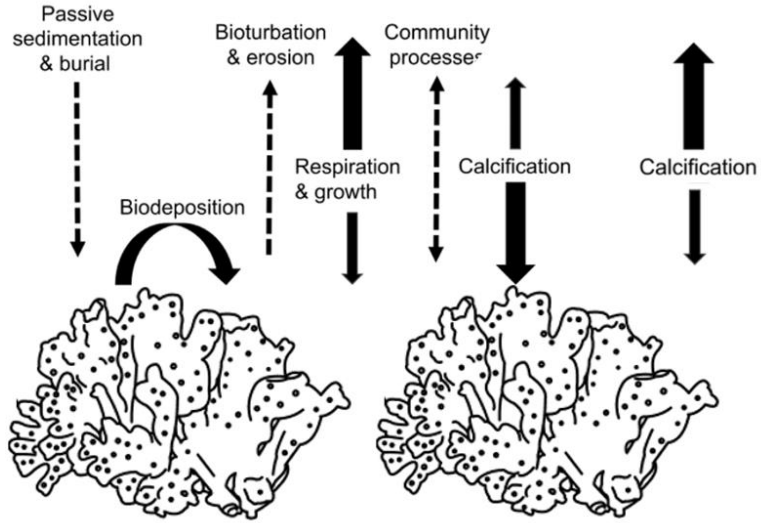
Calcifying Corals in the CO_2 Budget



Effect of atmospheric CO_2 on coral calcification



C. Langdon



Task Force on Good Practices

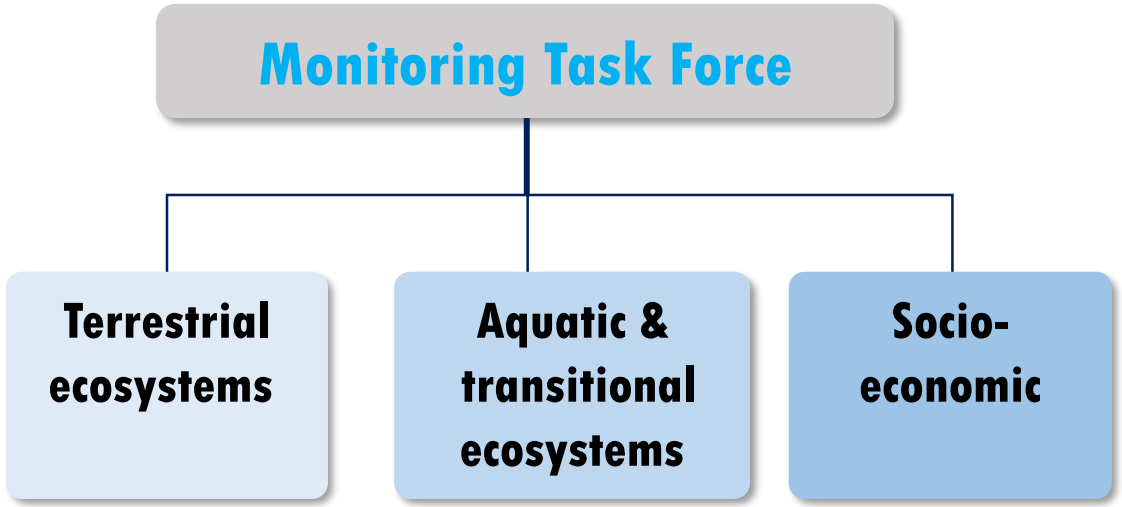
85 members from 32 organizations

OUTPUTS

1. Operationalization of Task Force
2. Prioritization of ecosystems
3. Identification of key resource partners
4. Capacity needs assessment
5. Development of knowledge and learning plan
6. Drafting ToRs of Decade flagship products
7. Collection of good practices

Task Force on Monitoring

Develop a monitoring framework, indicators, normative guidance, case studies



212 experts from **82** organizations

Main questions:

- **The What**: 'Action' or 'Results' oriented
- **The How**: Collation & sharing of information
- **When & How Often**: Periods across the decade

2021 Work plan

2021	JAN	FEB	MAR	APR	MAY	JUN
FERM publication	Key indicators		Draft reporting		Finalize	**Launch**
Technology and tool mapping	Tool mapping exercise		**WS**		Webinars and outreach	
FERM geospatial platform	FERM tab on Hand-in-Hand platform and linked to Decade Digital Hub					**Launch**
Geospatial modules	Restoration monitoring / planning tools		**WS**		Training materials	**Launch**
Knowledge mgt & comms	- Collaboration with BP-TF (e.g. capacity needs) - Comms materials (e.g. contribution to Decade launch report)					

Minimum viable products for World Environment Day – to be strengthened overtime.

Future developments will include:

- Annual monitoring reports
- In-country FERM applications or platforms
- Guidance on geospatial data for restoration projects
- QA/QC role for Decade Flagships
- Survey on geospatial capacity needs
- Global community of restoration monitoring

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LAUNCH 2021

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