



STATUS OF CORAL REEFS OF THE WORLD: 2025

The Global Coral Reef Monitoring Network (GCRMN) – An operational network of ICRI

11th September 2024 | Tom Dallison, ICRI Secretariat

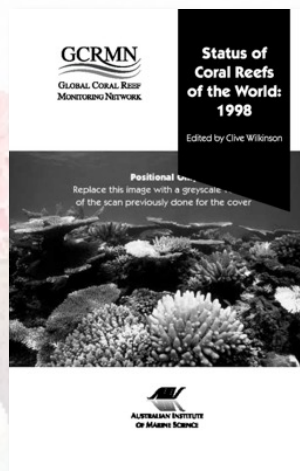


THE GLOBAL CORAL REEF MONITORING NETWORK

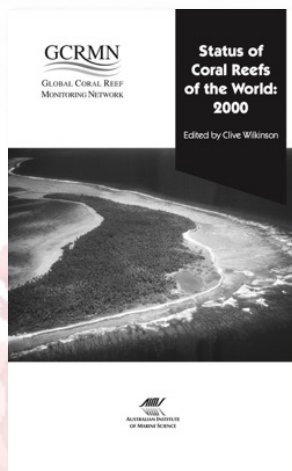
GLOBAL & REGIONAL REPORTS

The flagship products of the GCRMN are the “**Status of Coral Reefs of the World**” reports.

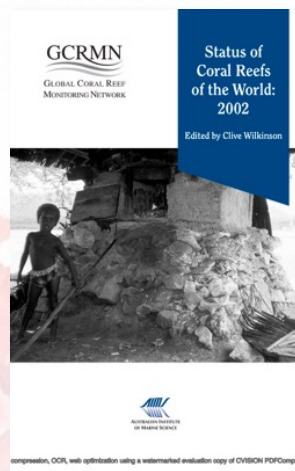
Since 1995, six global reports have been published by the network, with the sixth edition of the GCRMN “Status of Coral Reefs of the World: 2020” report released in 2021 – and the first global quantitative assessment of coral reefs.



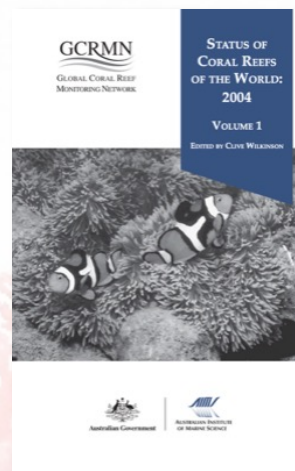
1998



2000



2002



2004



2008



2021

THE GLOBAL CORAL REEF MONITORING NETWORK

GLOBAL & REGIONAL REPORTS

The GCRMN also produces regional and topical reports, often driven by the Regional Nodes, enabling a greater representation of the status of coral reefs within regions.

Upcoming regional reports include Pacific (February 2025), Caribbean (June 2025), Eastern Tropical Pacific (TBC)

The Global Socioeconomic Monitoring Initiative for Coastal Management (SocMon) is also a part of the GCRMN.



THE GLOBAL CORAL REEF MONITORING NETWORK

TOPICAL REPORTS

The GCRMN also produces topical reports at the request of the GCRMN Steering Committee and the ICRI Membership:

- Status of Coral Reefs in Tsunami (2004) Affected Countries: 2005
- Status of Caribbean Coral Reefs after Bleaching & Hurricanes in 2005
- Status of Coral Reef Monitoring: An Assessment of Methods & Data at the National Level



THE STATUS OF CORAL REEFS OF THE WORLD

2020 REPORT

The Status of Coral Reefs of the World report was the first quantitative analysis of a global dataset compiled from raw monitoring data:

- Over **300** members of the network contributed data.
- The global dataset spanned from **1978** to **2019**
- Consisted of almost **2 million** observations from more than **12,000** sites in **73** reef-bearing countries around the world.
- **14%** global reduction in live coral on the world's coral reefs from 2008 - 2019

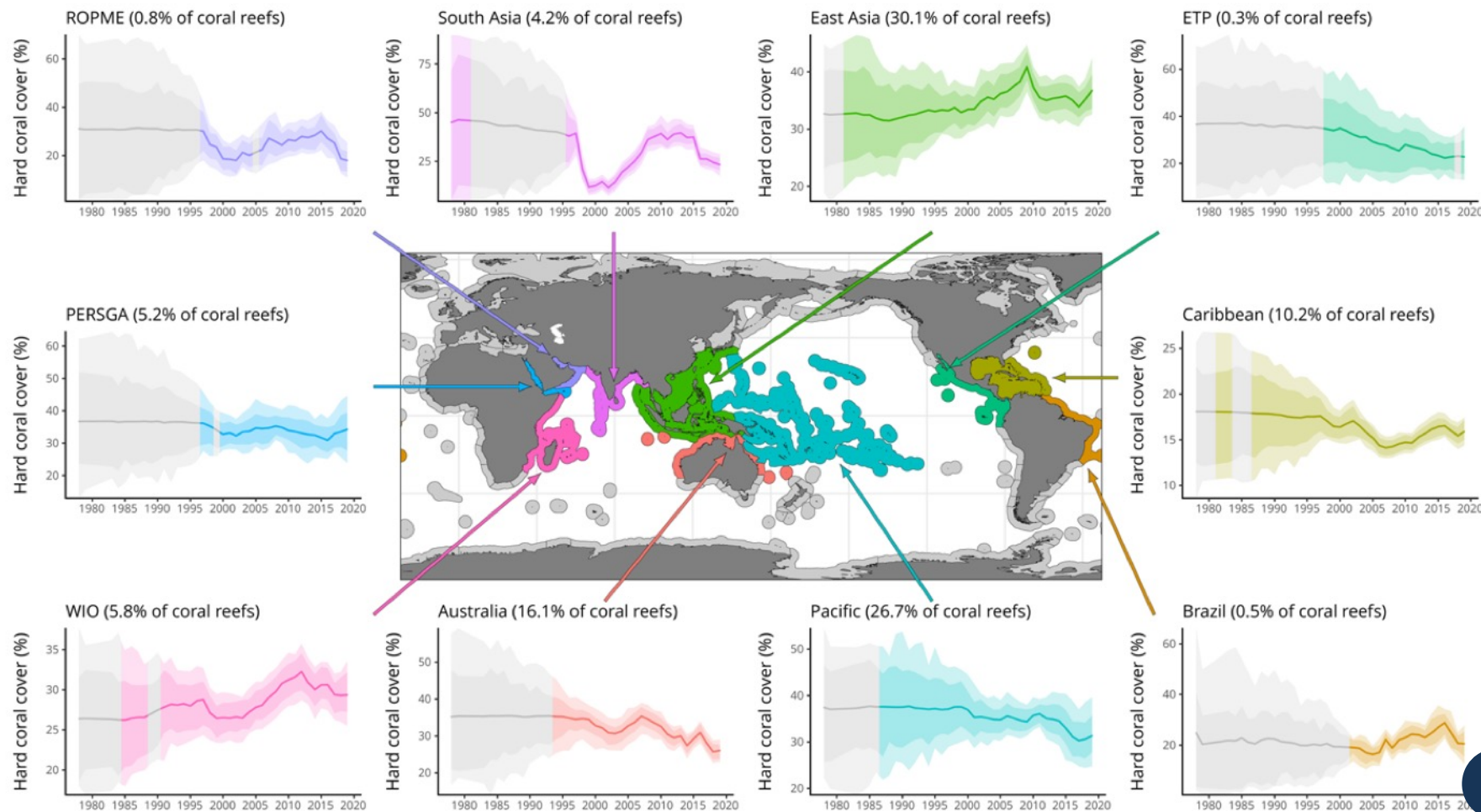
The 2020 report launch in 2021:

- **>4,000** downloads
- **592** media articles, across **480** outlets, in **62** countries, **18** languages
- **2.5 billion** engagements

In 2024, **>26,000** page views



THE STATUS OF CORAL REEFS OF THE WORLD



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GCRMN
GLOBAL CORAL REEF
MONITORING NETWORK

ICRI
INTERNATIONAL
CORAL REEF INITIATIVE



Status of Coral Reefs of the World: 2025



THE STATUS OF CORAL REEFS OF THE WORLD

2025 REPORT

Given the urgency to conserve coral reefs and the commitments made by countries to 2030, the GCRMN is calling for coral reef monitoring data contributions for the development of its seventh “**Status of Coral Reefs of the World**” global report which will be released in 2026.

The report will describe the global-level temporal trends of:

- Hard coral
- Macro algae
- Turf algae
- Coralline algae



Including meta-data and other indicators cyclonic activity, SST anomalies, human population density (TBC)

It will provide an update of the “Status of Coral Reefs of the World: 2020” report.



THE STATUS OF CORAL REEFS OF THE WORLD

DATA COLLATION PROCESS ON-GOING

Data Collation is being led by Tom Dallison and Jeremy Wicquart

Timeline:

- Data Collation, Integration & Standardisation: **2024**
- Data Analysis: **2025**
- Report Production (writing & consultation): **2025**
- Launch & dissemination: **2026**

Contents:

- Part 1 – Global Synthesis
- Part 2 – Regional Chapters
- Case studies / boxes
- Summary for Policy Makers



THE STATUS OF CORAL REEFS OF THE WORLD

DATA COLLATION PROCESS ON-GOING

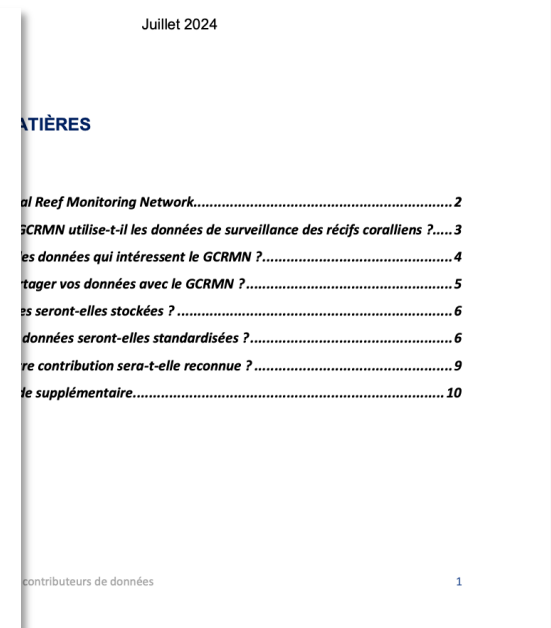
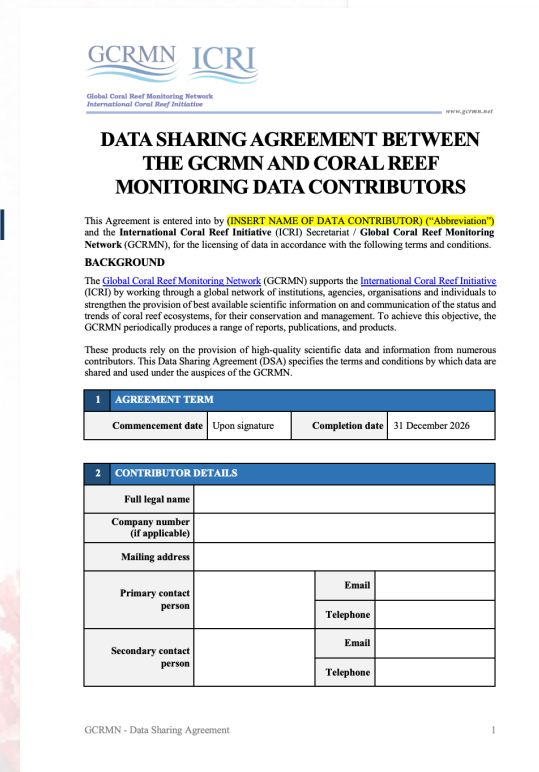
Working in close collaboration with GCRMN Regional Coordinators and data contributors.

“**Guide for Data Contributors**” developed and **Data Sharing Agreements** can be signed with ICRI, where required

Raw data are not made publicly available – only modelled temporal trends will be published

Dedicated webpage: www.gcrmn.net/2025-report

Dedicated communication outreach



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LF Living Oceans Foundation
 Contributing to the 2025 Status of Coral Reefs of the World Report: A Call for Data
 To: Tom Dallison

28 August 2024 at 05:28

Display problems? [Open this email in your web browser.](#)

Contributing to the 2025 Status of Coral Reefs of the World Report: A Call for Data



30 International Coral Reef Initiative (ICRI)
 8,484 followers
 1mo · Edited · 🌐

📌 Call for Coral Reef Monitoring Data 📌

🔥 The Global Coral Reef Monitoring Network (#GCRMN), an ...more

👤 with Nairobi Convention and 28 others

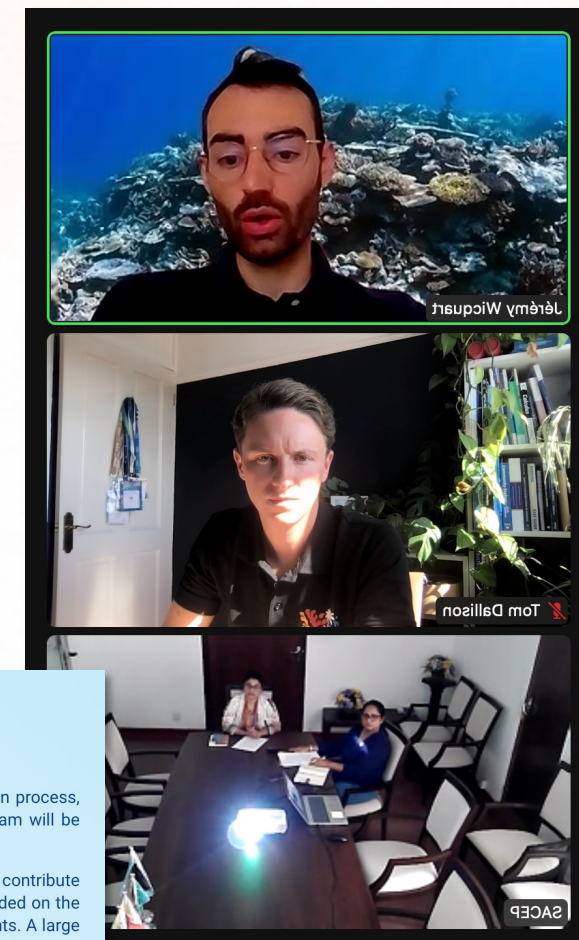
👤 Margaux Monfared and 205 others

4 comments · 50 reposts

THE STATUS OF CORAL REEFS OF THE WORLD

SUPPORTING THE PROCESS

- Meetings with regional coordinators to support the data collation process
- 2 Webinars to be hosted in October/November 2024
- **Dates TBC**
- Will focus on the key steps for data collation, allow for questions to be asked and responses to be provided.
- Registration will be available on
 - gcrmn.net/2025-report



Webinars for Data Contributors

To support data contributors and provide an overview of the data collation process, as well as an opportunity to ask questions, the GCRMN Data Collation team will be hosting two webinars in **September 2024**.

This webinars, held across two timezones, will welcome all who wish to contribute their data to the seventh GCRMN global report. Presentations will be provided on the data collation process, data storage, standardisation and acknowledgements. A large proportion will be set aside for Q&A and open discussion.

Download and view the agenda (coming soon) and register for the two webinars below.

Webinar 1: Registration Coming Soon

Webinar 2: Registration Coming Soon

THE STATUS OF CORAL REEFS OF THE WORLD

GITHUB

- The GCRMN now has its own **GitHub account**
- The scripts used for GCRMN data analyses are in **open access**
- Supports capacity building and transparency
- List of data contributions, maps and code for replication
- **NOT A DATA REPOSITORY**

The screenshot shows the GitHub profile for the Global Coral Reef Monitoring Network (GCRMN). The profile includes the GCRMN logo, a 'Follow' button, and 3 followers. The profile description states: 'Global Coral Reef Monitoring Network GCRMN'. The profile lists several repositories:

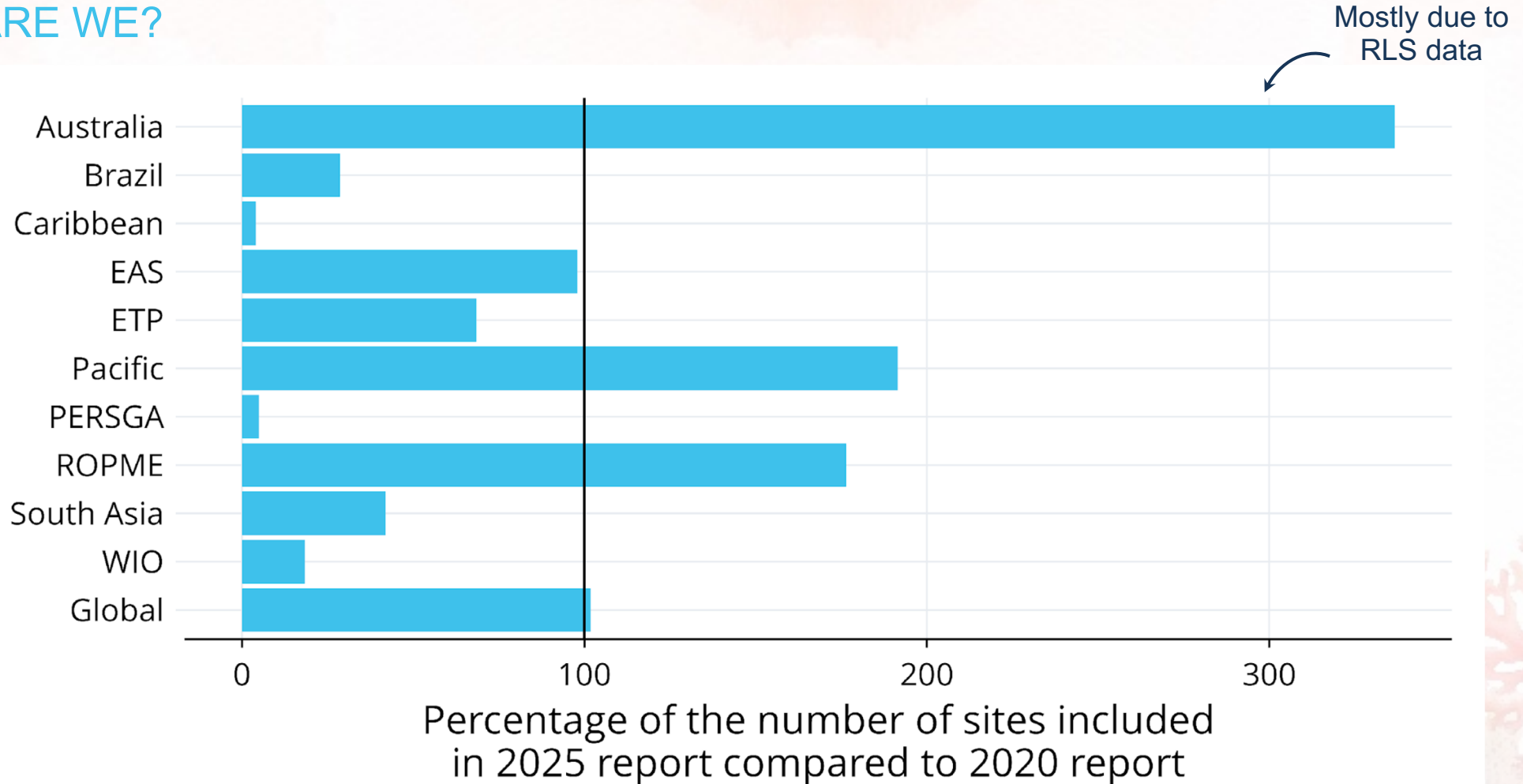
- Data integration repositories**
 - Benthic cover synthetic dataset ([gcrmdb_benthos](#))
 - Fish abundance and biomass synthetic dataset ([gcrmdb_fish](#))
- Report repositories**
 - Status and Trends of Coral Reefs of the Pacific: 1980-2023 ([pacific_2023](#))
 - Status and Trends of Caribbean Coral Reefs: 1970-2024 ([caribbean_2024](#))
 - Status of Coral Reefs of the World: 2025 ([global_2024](#))
- Other repositories**
 - GCRMN regions and subregions ([gcrmn_regions](#))

Under the 'Pinned' section, two repositories are highlighted:

- [gcrmdb_benthos](#) (Public): Code repository for the GCRMN benthic cover synthetic dataset. 7 stars, 1 fork.
- [gcrmdb_fish](#) (Public): Code repository for the GCRMN fish synthetic dataset. 1 star.

THE STATUS OF CORAL REEFS OF THE WORLD

WHERE ARE WE?



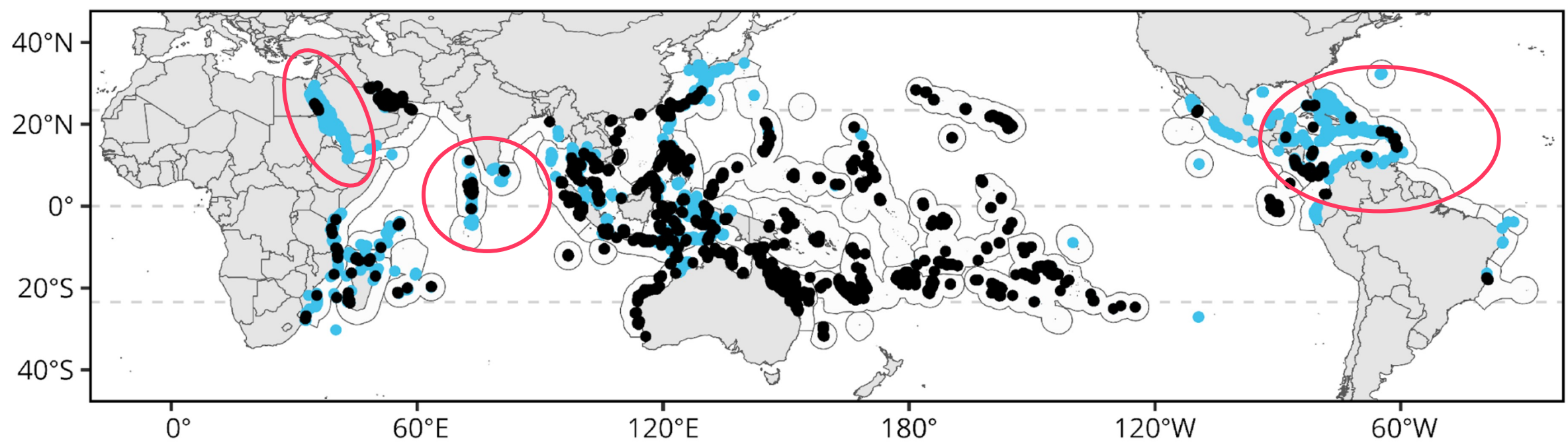
THE STATUS OF CORAL REEFS OF THE WORLD

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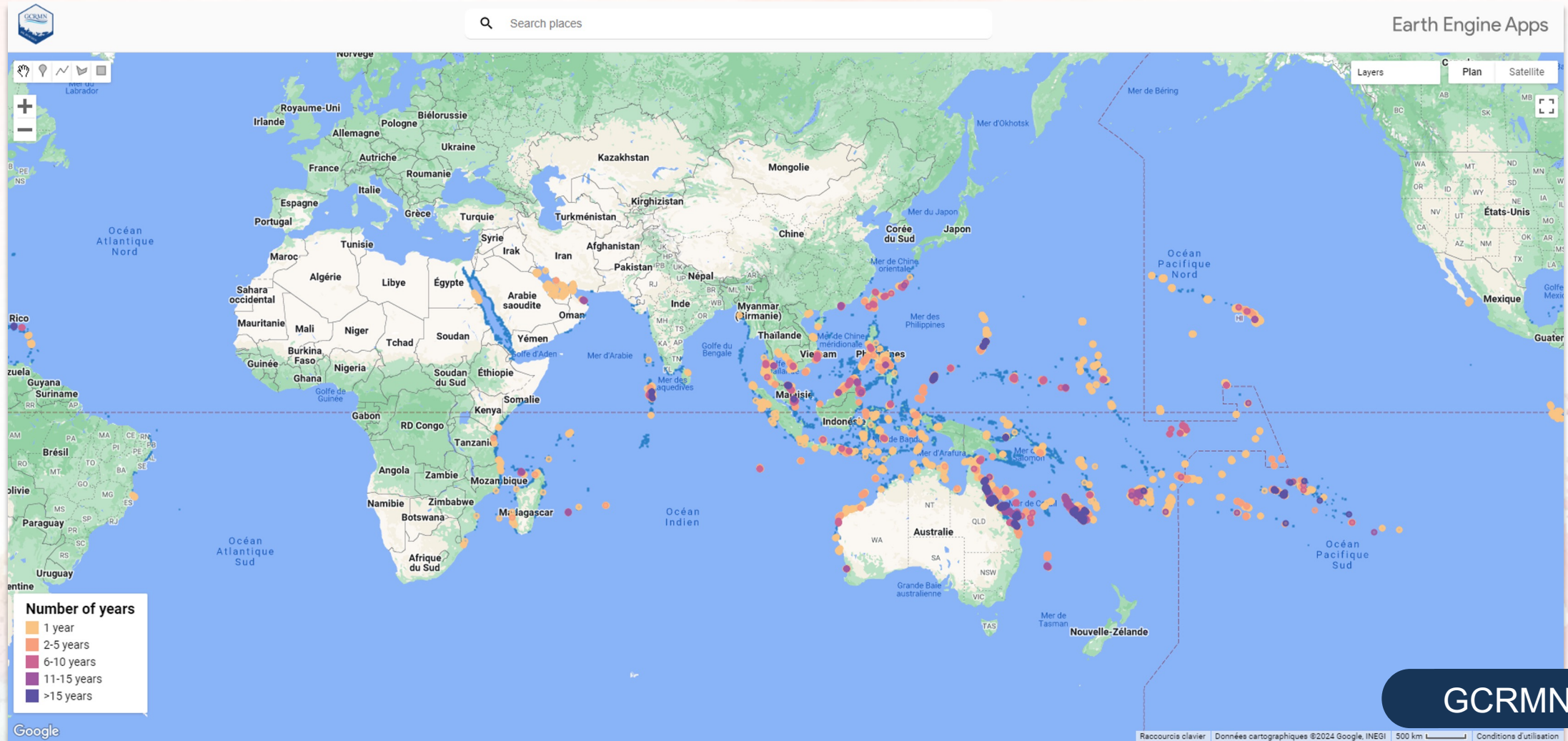


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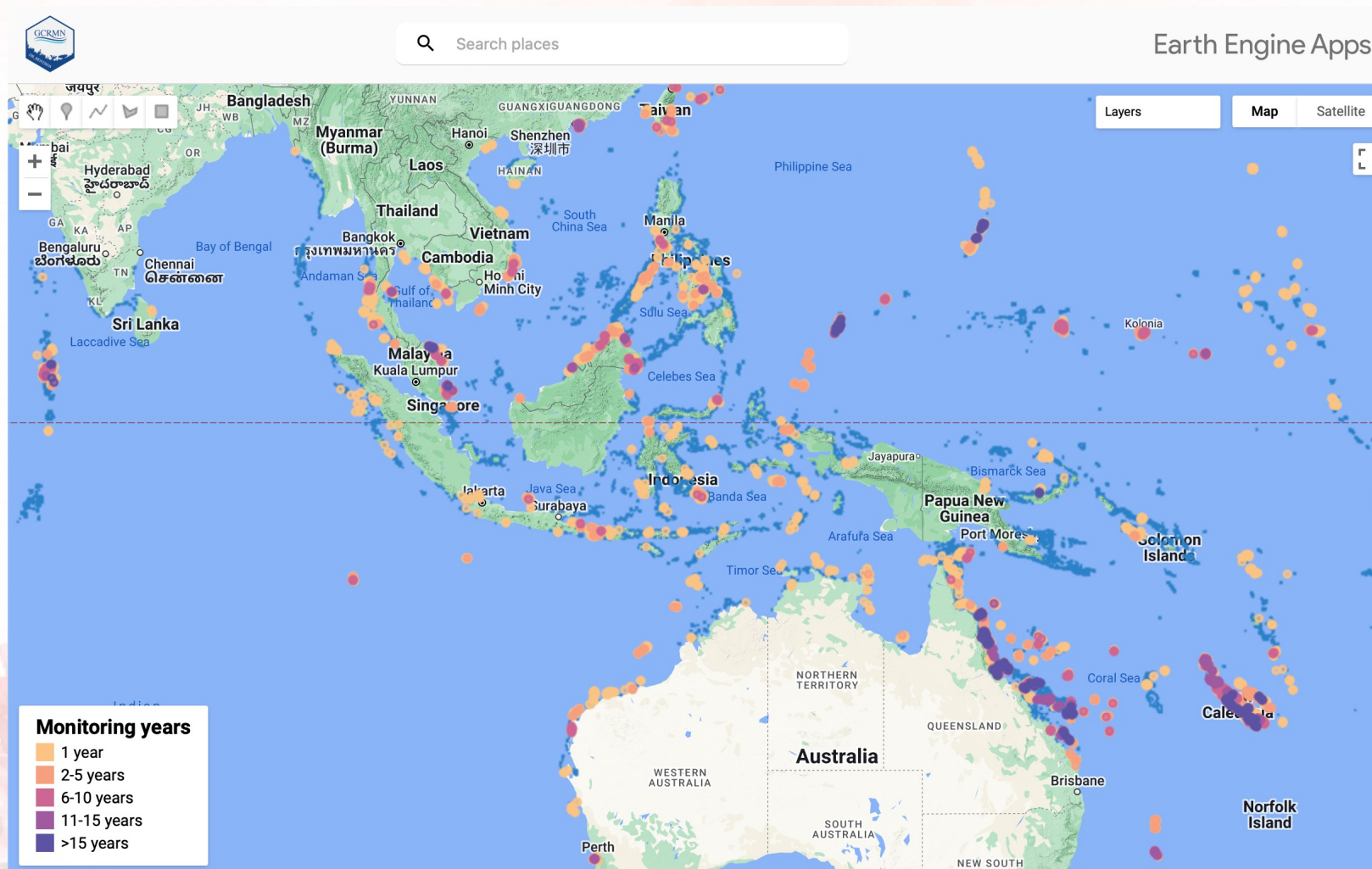
● Report 2020 ● Report 2025



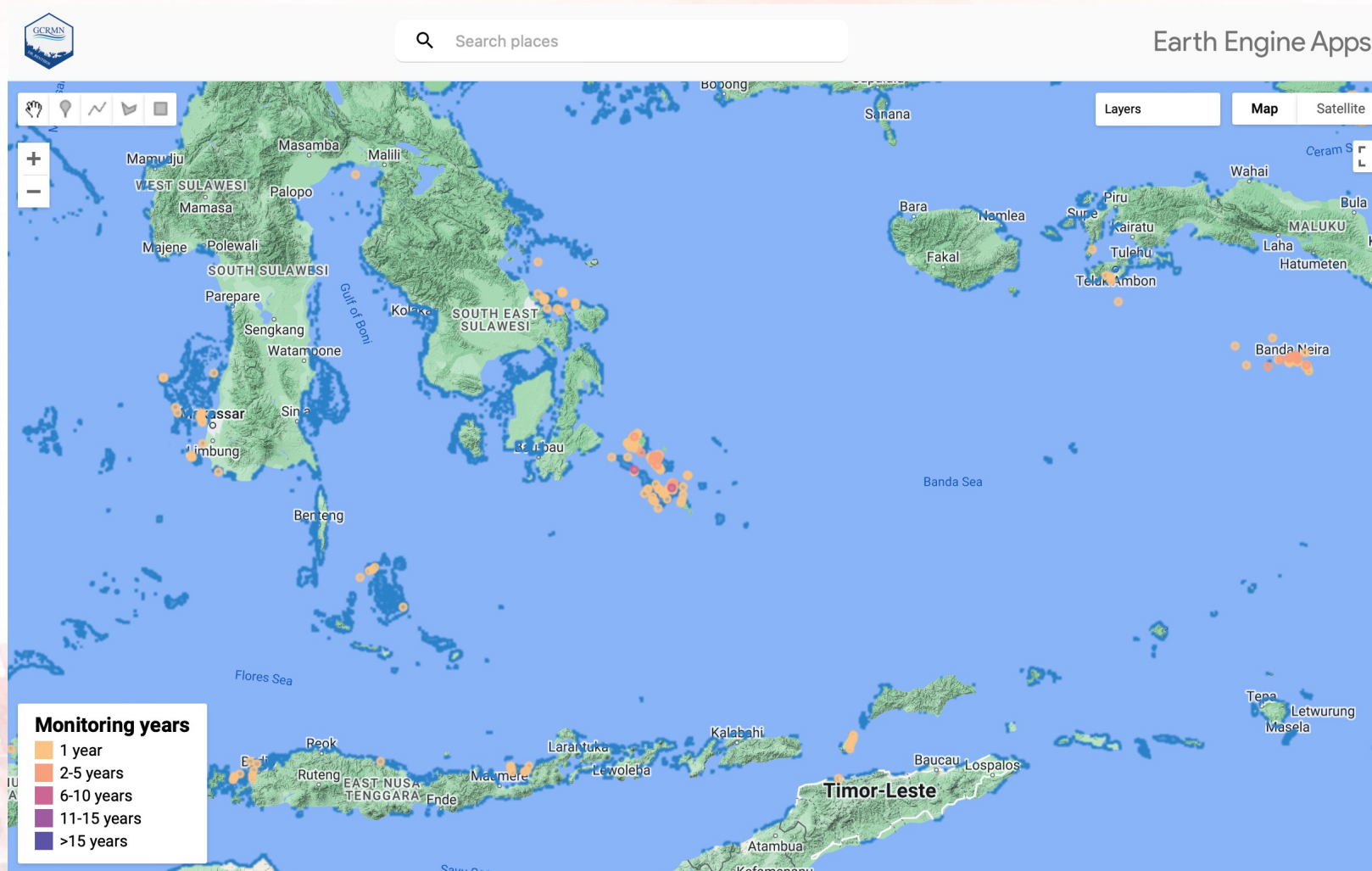
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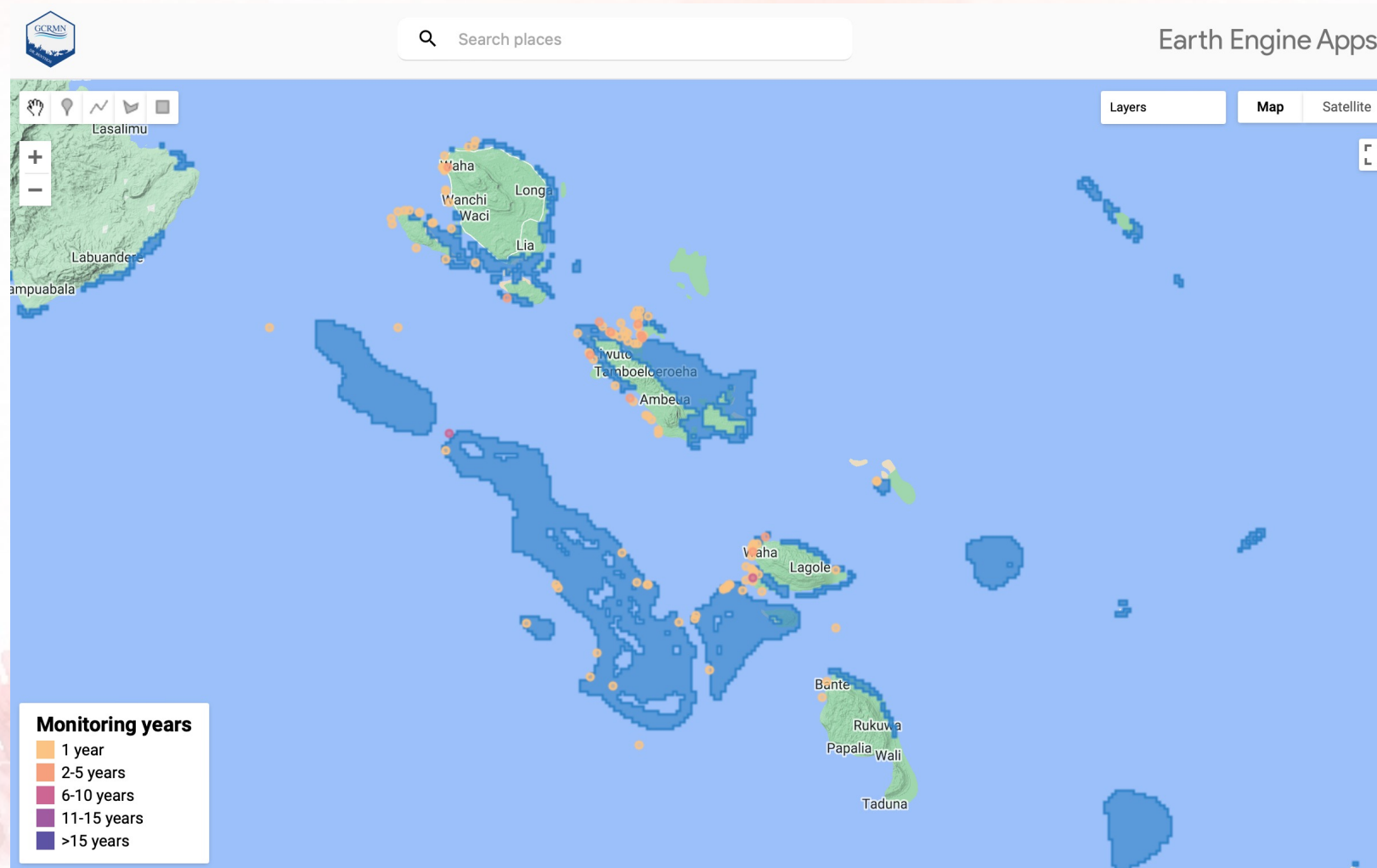
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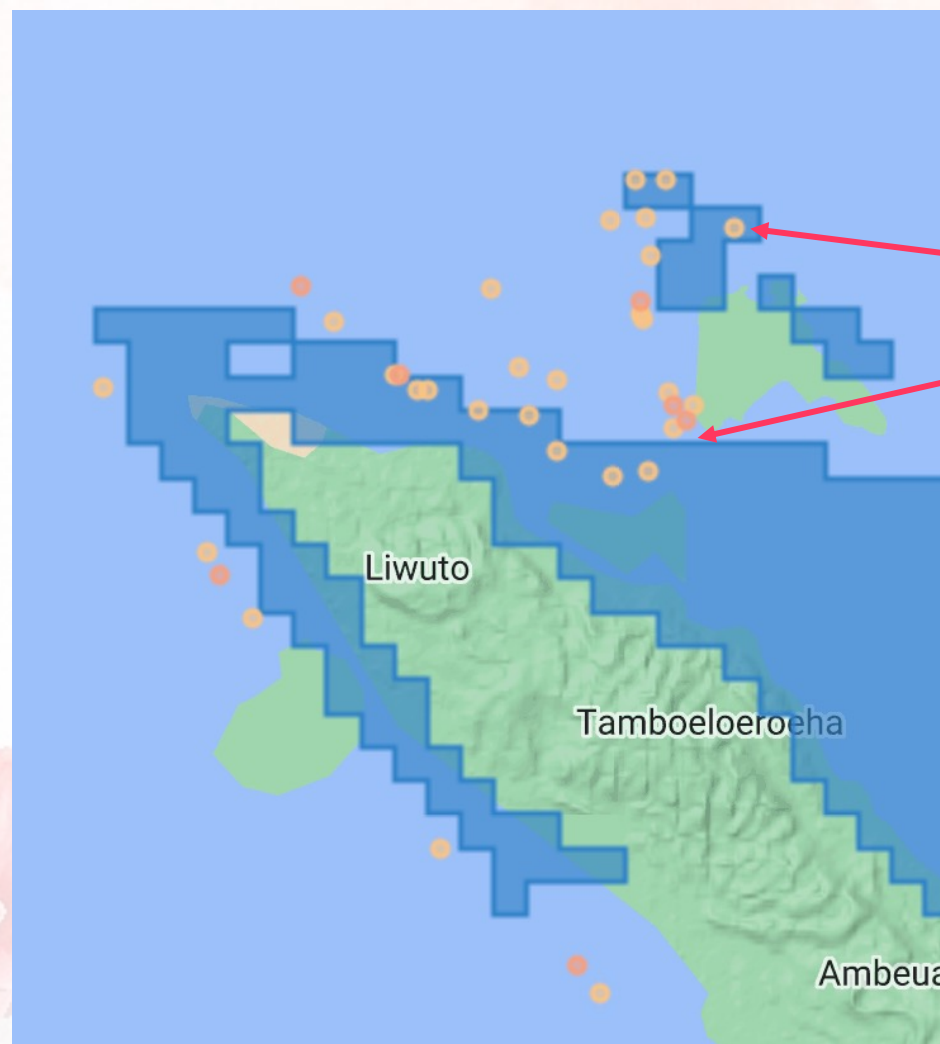


THE STATUS OF CORAL REEFS OF THE WORLD



THE STATUS OF CORAL REEFS OF THE WORLD

CHECK YOUR REGION



Monitoring years

- 1 year
- 2-5 years
- 6-10 years
- 11-15 years
- >15 years

CHECK THE GITHUB

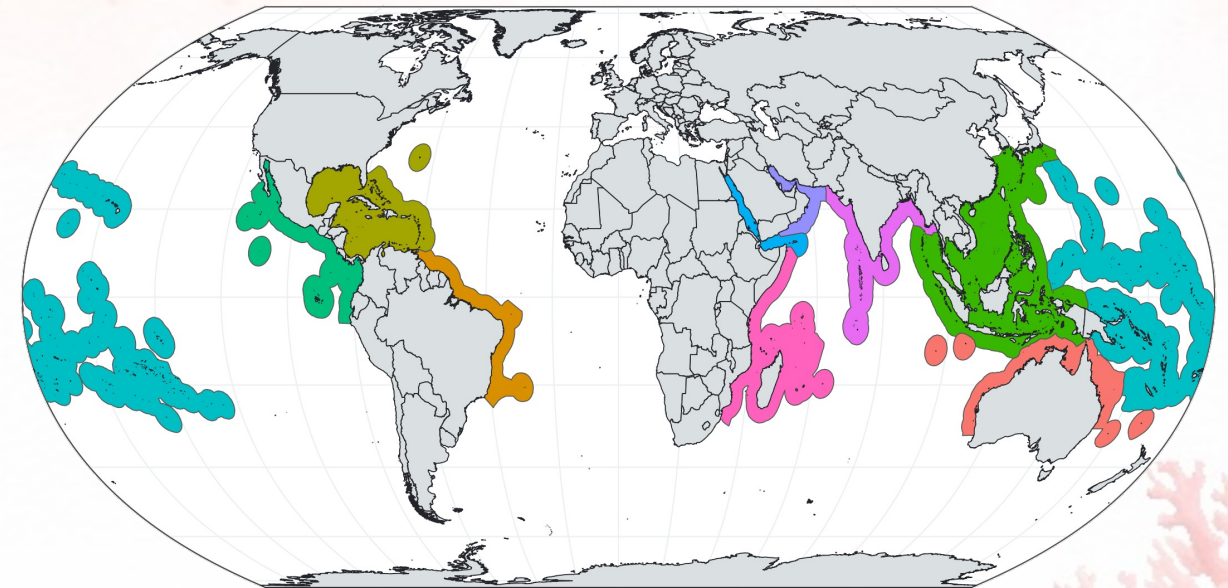
GCRMN.NET

THE STATUS OF CORAL REEFS OF THE WORLD

REPORT PRODUCTION

The 2025 report will build on the 2020 process and drive increase inclusivity of data providers and regional coordinators

Flexibility will be built into the report production, allowing regional coordinators to take ownership of their chapters, if they wish. The global team will provide necessary support.



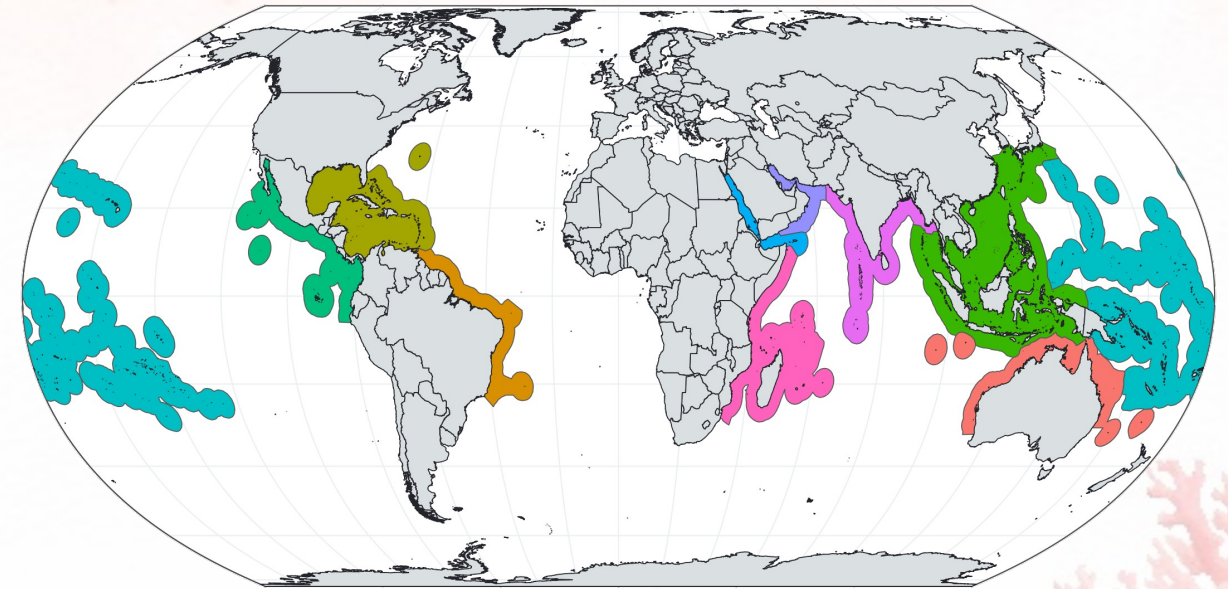
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REPORT PRODUCTION

The 2025 report will aim to acknowledge the work of all people involved in the acquisition of contributed data

The report will be citable through a DOI (and ISBN (TBC)) and working to potentially ensure each chapter has a DOI

ICRI Members, organisations and regional collaborators will be invited to write case studies/boxes on critical topics, including coral bleaching, SCTLTD, assessing fish data, and socio-economics – **suggestions welcome!**



CASE STUDIES

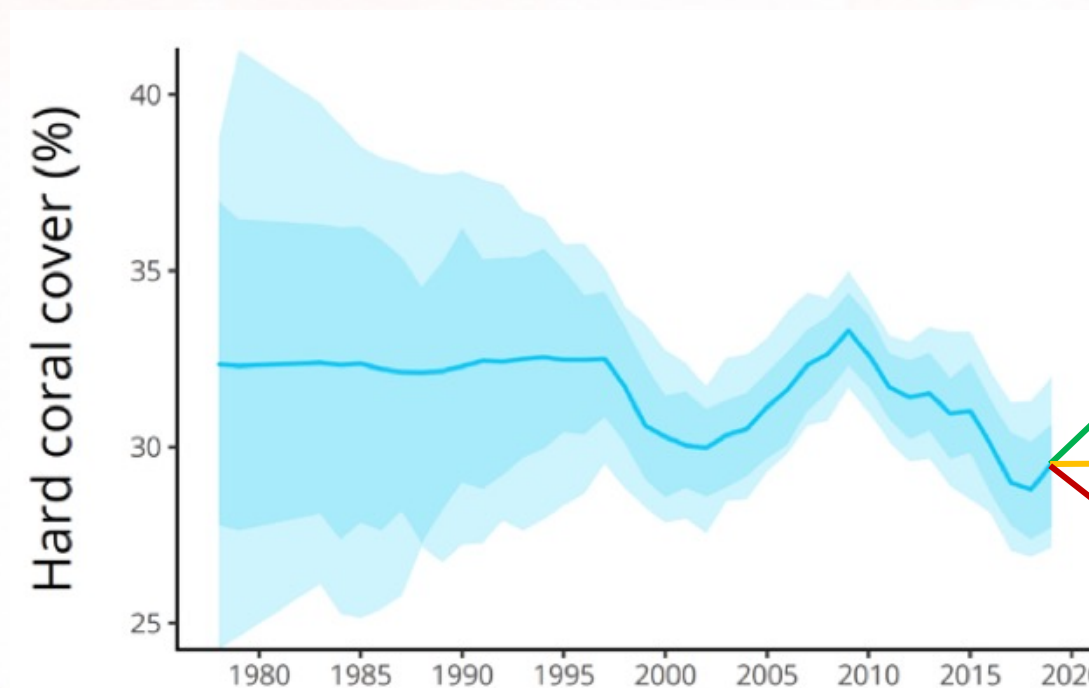
FIRST IDEAS

1. Application of the Red List of Ecosystems (RLE) in the Western Indian Ocean (WIO)
2. RLE assessment to explore thresholds for ecosystem collapse (ROPME- UAE)
3. Highlighting the ecological complexity of coral reefs, using local scale data (recruitment, demography, mortality) (PAC)
4. New indicator framework for assessing coral reef condition and recovery potential in the GBR (AUS).
5. Changes in fish species abundance in response to climate change (ETP)
6. Watershed management and coral reef health (BRA)
7. MPA effectiveness (BRA)
8. Threatened species (BRA)
9. Recovery and restoration (BRA)
10. Traditional & Indigenous people governance of reef resource use & conservation (BRA)
11. Co-management in Artisanal Fisheries in Kenya (WIO)
12. other SocMon case studies discussed in PAC, AUS, CAR

THE STATUS OF CORAL REEFS OF THE WORLD

A CRITICAL DECADE #FORCORAL

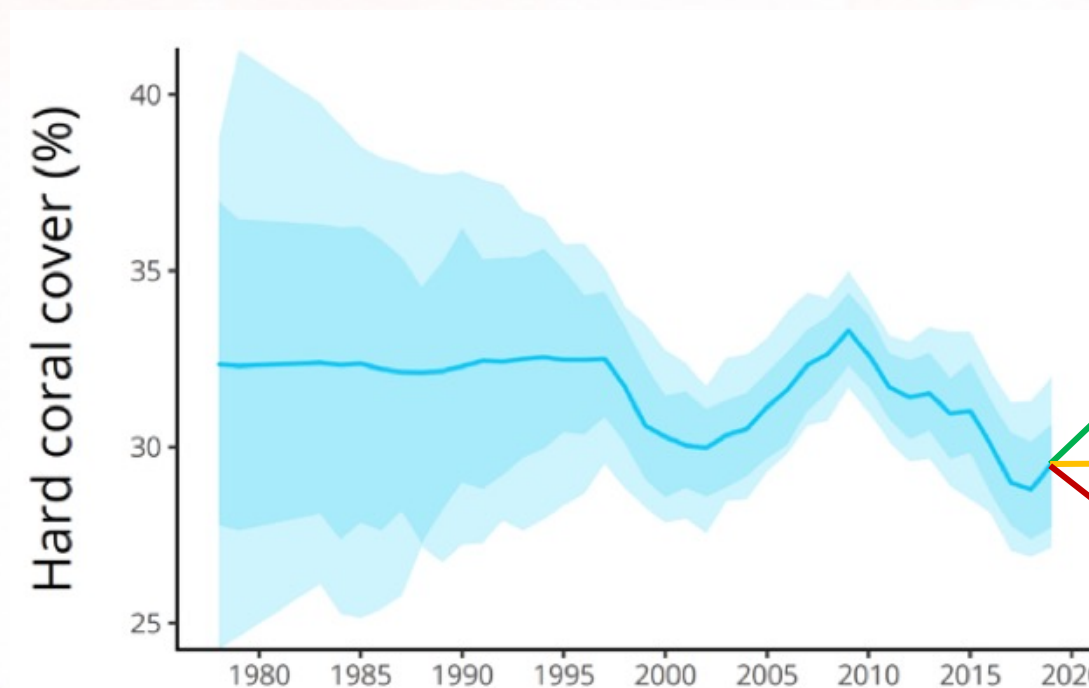
- **2020 – 2030 is a critical decade for coral reefs**
- The GCRMN is reliable source of coral reef data, providing ground-truthed spatial and temporal trends
- The GCRMN, and the Status of Coral Reefs of the World reports provide an essential mechanism for coral Nations to implement their national and international commitments especially the Global Biodiversity Framework and the Sustainable Development Goals.
- The 2025 global report will be a global and regional stock-take
- **Are we turning a corner, or continuing down the same path?**



THE STATUS OF CORAL REEFS OF THE WORLD

A CRITICAL DECADE #FORCORAL

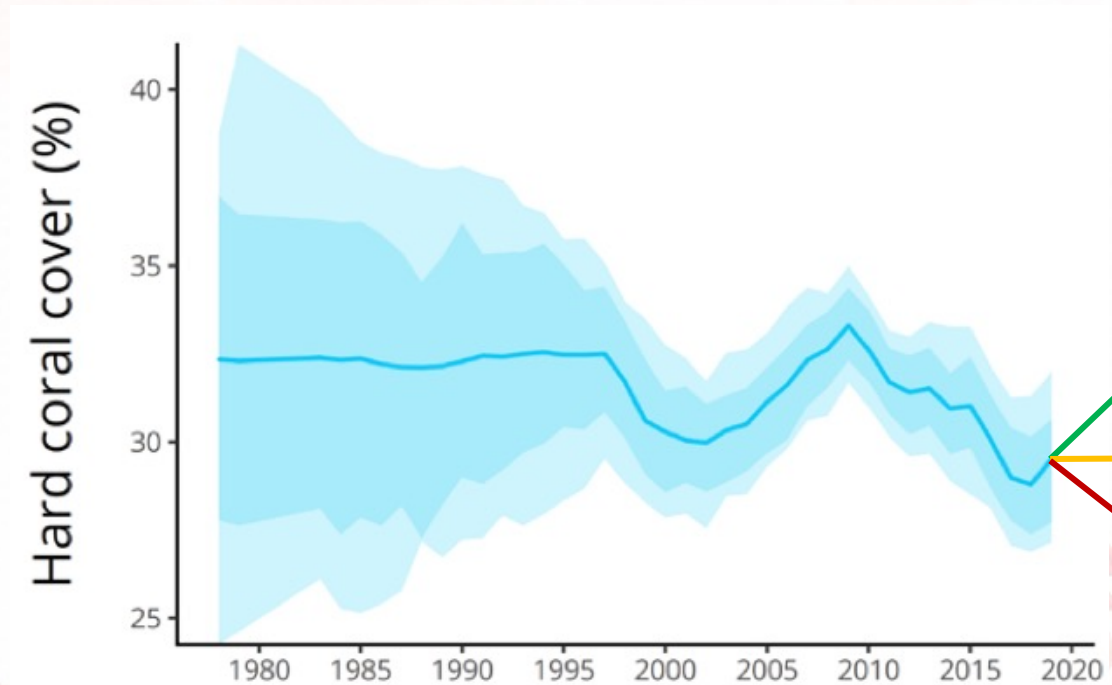
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[CALL FOR DATA](#)

WE NEED YOU

(AND YOUR DATA)



[TRELLO BOARD](#)

The production of GCRMN reports relies on the ongoing support of data contributors who are willing to share their coral reef monitoring data.

If you have coral reef monitoring data, and would like to contribute to, and collaborate on, the next 2025 global report, please speak with Tom or visit –

www.gcrmn.net/2025-report

Please also visit the Trello Board and share the Call for Data among your networks, colleagues and peers!

[#FORCORAL](#)



THANK YOU

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Francis Staub, fstaub@icriforum.org
Britta Schaffelke, B.Schaffelke@aims.gov.au



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