GFCR REEF+ ACCELERATOR

Practitioner Discussion, 22 November 2023

GLOBAL FUND FOR CORAL REEFS

M&E System Implementation

Agenda

- GFCR Global Team Welcome
- Introductions via Chat (Name, Organization, Role)
- REEF+ Updates
- GFCR M&E Presentation by Gabriel Grimsditch (UNEP) and Emily Darling (WCS)
- Q&A with GFCR M&E Team

REEF+ Updates



REEF+ Knowledge Platform research ongoing

 Next webinar: UNESCO World Heritage Sites, Protected and Conserved Area Finance (January 2023)

Members Forum Re-activated for Q&A on M&E and others

Presentation



GLOBAL FUND FOR CORAL REEFS

Monitoring & Evaluation Framework

22 November 2023



WCS

Agenda

Review GFCR M&E Framework

 Fund Indicators
 Project Indicators

2. Launching the GFCR M&E Toolkit resource

3. Case Study: Miamba Yetu (Kenya / Tanzania)

4. M&E Platform – Development Plan

5. Q & A with GFCR M&E Team

Monitoring and Evaluation Toolk October 2023

Nanang Sujana / WCS.



GFCR M&E Framework

UNEP is the lead team for M&E across all GFCR Programmes (Grant Fund & Investment Fund)

- UNEP has developed a practical M&E Framework & Toolkit to help the UN Global Team and Programmes track progress again the Fund's Theory of Change
- A set of standardized Fund Indicators will be rolled out to all GFCR Programmes, and can be supported by more customized Project Indicators
 - An online data platform will help collect, analyze and share M&E information
- Today, UNEP launches the GFCR M&E Toolkit with detailed guidance on the M&E Framework



GFCR M&E Framework

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Fund indicators are led by UNEP and the GFCR Secretariat and required by all GFCR programmes to measure and communicate portfolio-wide impact and progress towards GFCR Outcomes. **Project indicators** are used by Convening Agents and Implementing Partners to measure short-term progress that can be unique to local interventions and activities, and developed with oversight and support from UNEP.

10 Fund Indicators measure the desired ecological / social / financial objectives and are required by GFCR programmes

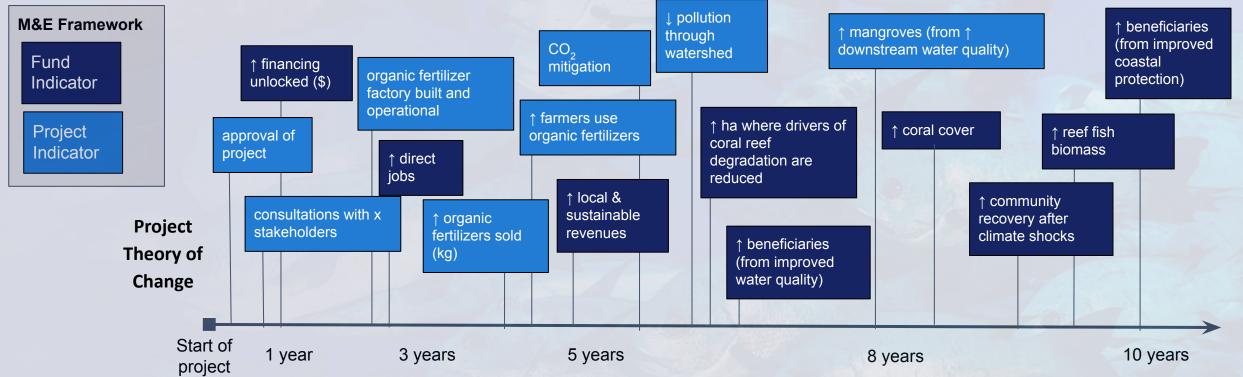
 Identify medium to long term outcomes **Project Indicators** can be customized to fit individual project contexts / cultures / investments

- Fit to purpose for short-term outcomes
 - e.g., a wastewater treatment project will require different short-term indicators than a coral restoration project

Using Fund and Project Indicators in a GFCR example



- Toxic run-off of non-organic fertilizers has ongoing and long duration deleterious effects through run off to coral reefs from the Dreketi river.
- Objective: Invest in locally produced non-synthetic fertilizers that can service significant local demand and create ecosystem benefits downstream for climate resilient coral reefs..



Launching the M&E Toolkit

- Comprehensive Guidance: The M&E Toolkit offers detailed direction specifically targeting Fund and Project Indicators within the GFCR M&E Framework, acknowledging the adaptive nature of methodologies across diverse contexts
- Effective Monitoring and Evaluation: Designed to facilitate effective monitoring and evaluation practices, the M&E Toolkit provides guidance on clear methodologies and processes.
- Collaborative Support and Implementation: Emphasizing the capacity building and oversight role of UNEP, the M&E Toolkit provides guidance for initiating, planning, and executing M&E strategies for GFCR Programmes.

Monitoring and Evaluation Tool

October 2023

🙆 Nanang Sujana / WCS.





F1. Coral reef extent of GFCR project

Indicator

This indicator measures the total coral reef area considered in the activities of the GFCR programme. This is a geographic area that can be identified on a map and the area of coral reefs identified using online tools like the Allen Coral Atlas.

F1.1 Area of coral reefs in GFCR programm

Data Source Allen Coral Atlas

Suggested methodology Using the online Allen Coral (ha) of the entire project are

ALLEN CORAL ATLAS



Methodology resources https://allencoralatlas.org/

Definition	This indicator measures
	appropriate by age, disal
	the GFCR through emplo
	on coral reefs) and throu
	protection). The GFCR's
	sustainable fisheries and
	away from unsustainable
	ecosystems to activities
Sub-Indicators	F6.1 Number of direct
	disaggregated by gend
	whether the jobs suppo
	activity supported by G
	F6.2 Number of peopl
	some cases, more peo
	programming, e.g., in fi
	access by local opportu
	increased income and/
	disability, indigenous p
Data Source	Convening agents, GF(
Suggested methodology	Contact GFCR-support
	local partners to assess
	people (F6.2).
Methodology resources	Employment, Livelihoo
methodology resources	Labour Union and UND
	Labour onion and onu

F6. Number of people supported through livelihoods, direct jobs, income, and nutrition

the total number of people (disaggregated by gender and as locally ability, indigenous peoples, small-scale producers, etc) directly supported by ployment in reef positive businesses (with a positive or no negative impact

's The F9. Return on investment (ROI) (\$)

Definition	This indicator refers to the total income generated from an investment or solution, as well as the Return on Investment (ROI) measured in monetary terms. It quantifies the financial gains/losses and/ or returns obtained relative to the initial investment to provide a clear measure of the profitability and financial performance of the venture.
Component Indicators	F9.1 ROI generated from business returns and sustainable financing (by sector, see Annex 3). This indicator reports the total ROI generated by businesses directly supported by GFCR, in USD. Separate ROIs should be reported from business revenues and sustainable financing. This indicator is intended to provide a consistent measurement of the financial return for GFCR investments and for the total enterprise.
	F9.2 Number, type, and monetary amount of sustainable revenue streams. A count and categorization (by sector, see annex 3) of the number of sustainable revenue streams and a calculation of the total monetary amount of each stream for GFCR programmes by year. Sustainable revenue streams are defined as revenue that is consistently and predictably generated over the long term that allows a business to achieve financial stability.
	F9.3 Amount (and %) of revenue in local enterprises. A measurement of the total revenue (USD) and percentage of total revenue that remains in local enterprises, e.g., through direct jobs, local bank deposits or other contributions to local economies. This indicator should measure the revenue that is retained within a local geography, differing from revenue that is transferred overseas.
Data Source	Accounting provided by GFCR business partners.
Suggested methodology	Convening agents compile information from informal interviews and requests for accounting information from business partners.

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C@RAL REEFS

Methodology resources Report: Financing Sustainable Development 2023.

Elodie Van Lierde / WCS.

Definition

Implementing the GFCR M&E Framework

Baseline Information And Frequency Of Monitoring

Gathering baseline information and establishing a regular monitoring schedule are fundamental components of any successful project or programme. The baseline serves as a critical reference point, offering insights into the initial conditions, needs, and challenges in a given context. This information forms the foundation for setting realistic targets and goals. Without a baseline, it becomes challenging to measure progress and assess the impact of interventions accurately.

Furthermore, frequent monitoring provides realtime feedback on performance, allowing for timely adjustments and improvements. It enables stakeholders to track the implementation of activities, identify any deviations from the planned course, and address emerging issues promptly. This proactive approach enhances the project's adaptability and responsiveness to changing circumstances, ultimately increasing the likelihood of success.

d Reefs: Monitoring and Evaluation Toolk

Consistent monitoring also fosters accountability and transparency. It demonstrates a commitment to achieving stated objectives and ensures that resources are used efficiently and effectively. Additionally, it facilitates data-driven decisionmaking, enabling project managers and stakeholders to make informed choices based on evidence and trends.

The GFCR expects annual monitoring and progress reports against the Fund Indicators for each GFCR programme. However, it is recognized that monitoring of ecological indicators under F4 may not be feasible or cost-efficient on a yearly basis, and these data on coral cover, benthic/macroalgae cover and fish biomass can be collected every 2 or 3 years depending on budget availability. For all other indicators, it should be possible to collect data on a yearly basis, and frequency of monitoring can be discussed and agreed with UNEP on a programme by programme basis.

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Data Collection, Management, And Reporting

Standardized data collection, management, and reporting are paramount in ensuring the accuracy, reliability, and comparability of information in any project or programme. By adhering to uniform data collection methods and tools, organizations establish a structured approach to gather information to

this leads to clear and the GFCR that will to understand the challenges of GFO strategies to supp for coral reefs. Cle reports build trust stakeholders, incl and partners. It a communication, a and decisions reg resource allocatio

enhance transparency and

Efficient data management is equally crucial. Organizing and storing data in a systematic manner ensures accessibility, security, and preservation of information for future reference and analysis. Properly managed data sets the foundation for evidence-based decision-making, as stakeholders

Measuring Outcomes and Trends

Baseline Assessments, Mid-term Reviews and Final Evaluations

Adapting M&E frameworks to align with the specific context of GFCR programmes and the global portfolio of investments will be crucial for meaningful assessment and improvement. A one-size-fits-all approach seldom captures the unique dynamics, challenges, and objectives of diverse initiatives, and UNEP expects to work closely with GFCR programmes to ensure that the Fund Indicators can evolve while also allowing for the incorporation of context-specific indicators and methodologies (i.e., Project Indicators). The ambition is that the use of Fund Indicators and Project Indicators jointly will ensure that the evaluation process is relevant and meaningful.

Regular evaluations play a pivotal role in this process of refinement. Baseline, mid-term and final evaluations will help provide opportunities to assess the appropriateness of the chosen indicators, tools, and methodologies within the actual operational setting. Feedback gathered from these evaluations informs necessary adjustments to the M&E framework and Fund/Project Indicators. For instance, if certain indicators prove to be less informative or if new contextual factors emerge, adaptations can be made to better capture progress.

Convening Agents will be responsible for budgeting for and hiring independent assessors to conduct the Mid-Term and Final Evaluations of the Programmes. Instructions for Mid-Term and Final Evaluations will be provided by UNEP and the GFCR Global Team.

Global Fund for Coral Reefs: Monitoring and Evaluation Toolkit

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GFCR Programme Case Study:

THE MIAMBA YETU PROGRAMME: **SUSTAINABLE REEF INVESTMENTS**

KENYA | TANZANIA



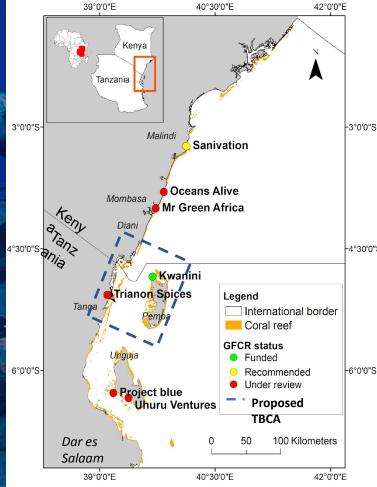












Sanivation | Wastewater Treatment

COLLABORATION FOR SUSTAINABLE SANITATION

The Case of Sanivation and the Malindi Waste-to-Value Facility

© Sanivation

- Water pollution is #1 local threat to coral reefs globally
- Malindi: 7th largest city in Kenya w/ no sewer system
- Poor wastewater treatment affects 98% of coral reefs in Malindi - Watamu area
 - a. Including two national MPAs: Malindi and Watamu Marine National Parks)

Kwanini Foundation | Ecotourism MPA



- Unsustainable and destructive fishing has the largest impact to climate resilient reefs in East Africa
- The Kwanini Foundation and Manta Resort will expand a community-led MPA supported by sustainable finance from ecotourism
- Implemented by Blue Finance and the Ministry of Blue Economy & Fisheries

GFCR M&E Framework

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Fund Indicators

F1. Coral reef extent of GFCR project	F6. Number of people supported through livelihoods, direct jobs, income, and nutrition
F2. Area of coral reefs under conservation and sustainable management	F7. Number of people supported to better adapt, respond and recover to the effects of climate change and major external shocks as a result of GFCR
F3. Area of coral reefs under effective coral restoration	F8. Amount of public, private, and philanthropy finance mobilized by the GFCR
F4. Change in coral reef health	F9. Return on Investment (ROI)
F5. Number of communities engaged in meaningful participation, co-development and capacity strengthening	F10. Number of gender-smart investments

Headline indicators	Component indicators	GLOBAL FUND FOR
F1. Coral reef extent of GFCR project	F1.1 Total area of coral reefs in GFCR programming	C@RAL REEFS
	F2.1 Area of MPAs and OECMs (as aligned to GBF Target 3)	
F2. Area of coral reefs under	F2.2 Area of locally managed areas / co-managed areas	
conservation and sustainable management	F2.3 Area of fisheries management	
	F2.4 Area with pollution mitigation	
ALLEN CORAL ATLAS	Africa Cl2 km ² Km ² Km ² Km ² Coral/Algae 37.99 5 Seagrass 12.80 1	% % % %4.79 8.47 1.14 9.05 5.78

Headline indicators	Component indicators	GLOBAL FUND FOR
	F3.1 Area of effective coral reef restoration	C@RAL REEFS
	F3.2 Number of in situ coral restoration projects	
	F3.3 Number of coral restoration plans, technologies, strategies or guidelines developed	
F3. Area (ha) of coral reefs under effective coral restoration	F3.4 Number of coral restoration trainings	LAR Comes (c)
	F3.5 Number of people engaged in coral restoration	
	F3.6 Number of response plans (incl. financial mechanisms, eg., insurance) in place to support coral restoration after severe shocks (e.g,. storms, bleaching)	Conservation & welfare Association

*No active coral restoration activities in Sanivation or Kwanini Foundation investments





Headline indicators	Component indicators
F4. Change in coral reef health	F4.1 Average live hard coral cover, %
	F4.2 Average macroalgae/other benthic groups, %
	F4.3 Average reef fish biomass, kg/ha

Underwater surveys measure baseline of Kwanini Foundation MPA to assess change over time

1500 Biomass (kg/ha) Hard coral cover (%) Hard coral cover (%)

10

Fish biomass per site

Headline indicators	Component indicators	Sanivation, Kenya	Kwanini, Pemba
	F5.1 Number of communities engaged in meaningful participation and co-development	KILIFI COUNTY GOVERNMENT	~3 communities; 3,145 men and 4,380 women
	F5.2 Number of local organizations engaged in meaningful participation and co-development	Water & Sanitation for the Urban Poor MALINDI WATER & SEWERAGE CO. LTD	
F5. Number of communities engaged in meaningful participation,	F5.3 Number of local scientific/research partners involved in strengthening capacity for participation and co-development (e.g., national universities, regional science organizations)	Pwani UNIVERSITY	By Year 3, 500 practitioners trained in
co-development and capacity strengthening	F5.4 Number of local practitioners trained / supported in coral reef conservation (e.g. community rangers)		NTY ~3 communities; 3,145 men and 4,380 women er & Sanitation
	F5.5 Number of agreements with local authorities or fishing cooperatives to manage marine resources (e.g., LMMAs, MPAs, OECMs)	Malindi Inclusive Sanitation Plan	with PECCA conservation
	F5.6 Number of national policies linked to GFCR engagement, (e.g., NBSAPs, blue economy policies, national MPA declarations)		A MARCE

Headline indicators	Component indicators	Sanivation, Kenya	Kwanini, Pemba	
F6. Number of people supported	F6.1 Number of direct jobs created (disaggregated by gender, age, disability, Indigenous peoples, small-scale producers)		Year 1: 14 jobs (10 men, 4	
through livelihoods, direct jobs, income, and nutrition	F6.2 Number of people with increased income and/or nutrition from GFCR support (disaggregated by gender, age, disability, Indigenous peoples, small-scale producers)	# of jobs at waste-to-value treatment plant	women). Year 2: 20 jobs(10 men, 10 women). Year 3: 30 jobs(15 men, 15 women)	
	F7.1 Total direct beneficiaries (disaggregated by gender, age, disability, Indigenous peoples, small-scale producers)	350,000 coastal residents with improved access to sanitation	1,100 direct beneficiaries who live and fish around MPA / co-management area	
 F7.1 Total direct beneficiaries (disaggregated by gender, age, disability, Indigenous peoples, small-scale producers) F7.2 Total indirect beneficiaries (disaggregated by gender, age, disability, Indigenous peoples, small-scale producers) F7.2 Total indirect beneficiaries (disaggregated by gender, age, disability, Indigenous peoples, small-scale producers) F7.2 Total indirect beneficiaries (disaggregated by gender, age, disability, Indigenous peoples, small-scale producers) F7.2 Total indirect beneficiaries (disaggregated by gender, age, disability, Indigenous peoples, small-scale producers) 	Total # coastal residents with access to sustainable fisheries / coastal protection from ↑ coral cover			
to the effects of climate change and major external shocks as a result of GFCR	F7.3 Number of financial mechanisms/reforms to help coastal communities respond and recover from external shocks (e.g., insurance, loans, village savings, restoration crisis plans, etc)		# of new livelihoods projects	
	F7.4 Number of governance reforms/policies to support response and recovery to external shocks (e.g., crisis management plans, reforms for temporary alternative employment)		C M C	

Headline indicators	Component indicators	Sanivation, Kenya	Kwanini, Pemba
	F8.1 Amount, number and type of public investments	\$7.6M public funding to Kilifi county for waste master plan	
	F8.2 Amount, number and type of private investments	(World Bank)	\$300K senior debt committed by Mirova capital to Manta Resort
	F8.3 Amount, number and type of philanthropy investments		\$70K Blue Finance, ORRAA
	F8.4 Number of businesses and sectors with GFCR funding sources	Sanivation, waste / sanitation	Manta Resort, ecotourism
B. Amount of public, private, and	F8.5 Number and type of sustainable finance mechanisms	Fuel sale revenue, carbon sales	Payment for Ecosystem Services, royalties
philanthropy finance mobilized by the GFCR	F8.6 Leverage/mobilization ratio by sector (fisheries, water quality, restoration) of GFCR investment to other mobilized financing	inesses and sectors with GFCR funding sources ype of sustainable finance mechanismssanitationManta Resort, ecotourismbilization ratio by sector (fisheries, water quality, GFCR investment to other mobilized financing1:14 (water quality)1:1 (fisheries)2024: \$750K USD revenue;Year 1: \$40K, Year 2: \$500K\$700K	
	F9.1 Amount of revenue and ROI generated from sustainable financing (by type)2024: \$750K USD 2025: \$2.4M USD \$2M afterway		Year 1: \$40K, Year 2: \$500K, Year 3: \$700K - forecast revenue from Manta Resort to Kwanini Fdn
9. Amount of revenue and ROI (\$)	F9.2 Number and type of sustainable revenue streams	Waste offtake into alternative fuel	Ecotourism hotel
	F9.3 Amount (and %) of revenue in local enterprises	TBD	% of Manta Resort revenue that goes to Kwanini Foundation

	H	eadline indicator	S	Compone	nt indicators	Sanivation, Kenya	Kwanini, Pemba
F1		mber of gender-smart estments		F10.1 Number of GFCR investme standards	ents qualified as 2X Challenge	TBD	Yes: 50% of female rangers hired into workforce
2	X C	Criteria		2	CHALLENGE FINANCING FOR WOMEN		
æ	1	Entrepreneurship OR		OR unded by a woman Y/N omen in senior management 30%	Sector-Specific Thresholds		
Direct Criteri	2	Leadership OR Employment	3A. Share of wo	OR omen on the Board or IC 30% omen in the workforce 30 - 50%* AND y" indicator beyond compliance Y/N	Sector-Specific Thresholds 3.A Women in the Workforce* Grp. Sector % Low Infrastructure, Power, Telecoms 30% Mid Financial Services, Manufacturing 40% - Heavy, Agribusiness & Food, 40%		
direct	4 5	OR Consumption AND Investments through Financial	5A. On-Lending for or percent of FI's p	cilities: Percent of the Investor/FI loan proceeds 30% portfolio supporting businesses that meet direct criteria OR	Professional Services High Healthcare, Education, Consumer Services, Manufacturing – Light ³ 50% *Room for judgement: Investees in unique sectors or geographies may require case-by-case consideration. 50%		
Ţ		Intermediaries (FIs)	5B. Funds: Percen	t of portfolio companies that meet the direct criteria 30% *sector-specific thresholds			

https://www.2xchallenge.org/criteria

Project Indicators

Sanivation | Wastewater Treatment

COLLABORATION FOR SUSTAINABLE SANITATION

The Case of Sanivation and the Malindi Waste-to-Value Facility



- Wastewater load reduction from Malindi River (expected 101K tons / year)
- Water quality indicators (e.g., enterococci, caffeine)
- Improvement in wastewater pollution bioindicators e.g., ↓ boring sponges

Kwanini Foundation | Ecotourism MPA



- People with improved skills through local community engagement (enforcement techniques, dive training, aquaculture, swimming skills)
 - Year 1: 68 people (51 men, 17 women); Year 2: 170 people total;
 Year 3: 300 people total

Agenda

Review GFCR M&E Framework

 a. Fund Indicators
 b. Project Indicators

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4. M&E Platform – Development Plan

5. Q & A with UNEP M&E Team

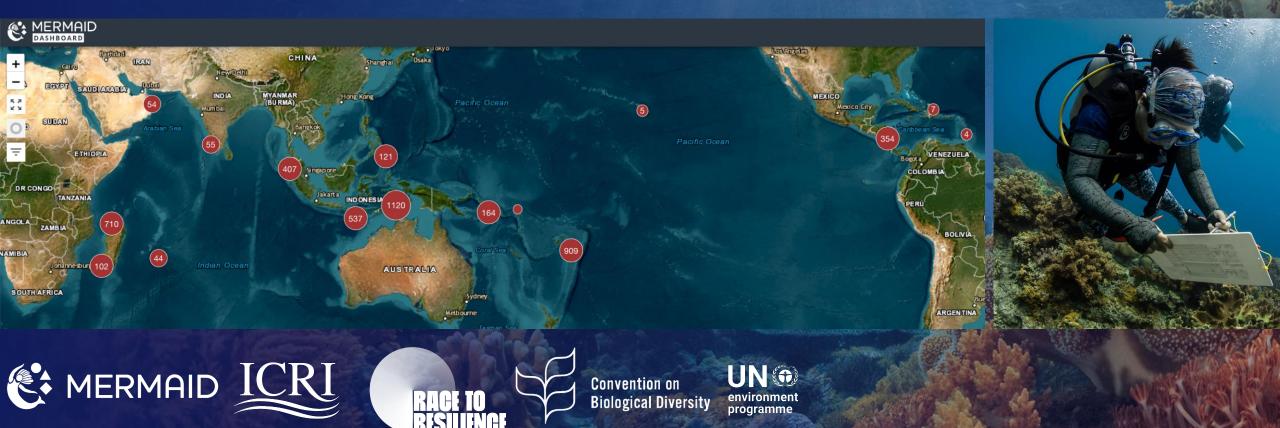
Monitoring and Evaluation Toolk October 2023

Nanang Sujana / WCS.



Vision: GFCR Programmes collect GFCR Fund Indicators (ecological / social / financial) in a single web platform

- MERMAID is the largest online / offline open-source data platform for coral reef data worldwide
- Supports standardized monitoring methodologies
 - PIT, LIT, photo quadrats, fish belt transects, bleaching surveys, AGRRA / GCRMN methodologies



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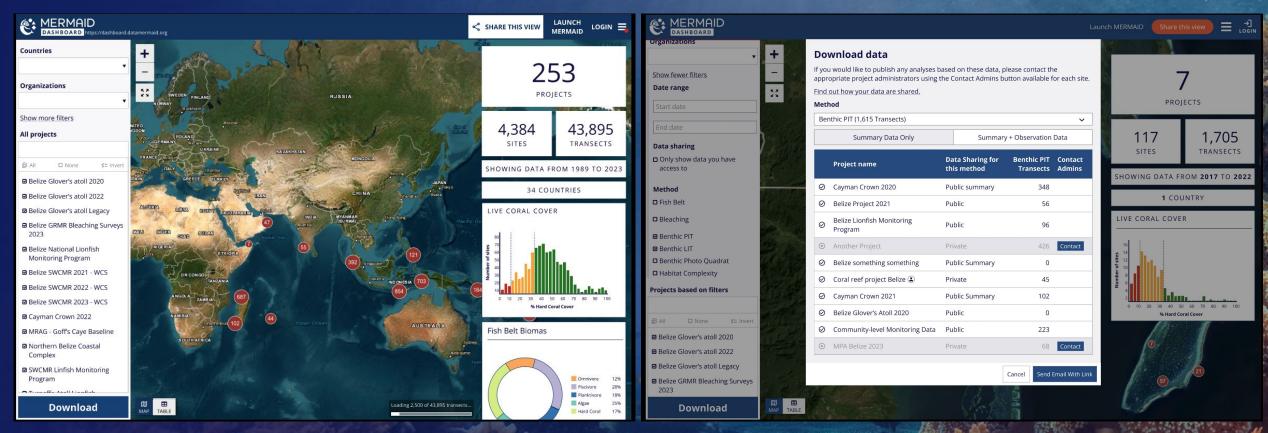
C©RAL REEFS

- Currently, MERMAID projects can be tagged as 'Global Fund for Coral Reefs'
- By end of 2024, Programmes can login and enter Fund Indicators into simple web forms

		🖻 Projects 🛱	🖽 Reference 🌐 Global Da	GFCR Programme	Miamba Yetu	
PROJECTS Filter Projects By Name or C	Country			Date	3-15-2024	
gfcr GFCR Survey 202	2			Convening Agent	WCS	
Kenya, Tanzania	SUBMITTED	SITES	USERS	F1.1 Total area of coral reefs in GFCR programming		km
C 1	⊘ 284	② 51	* 10	F2.1 Area of MPAs and OECMs (as aligned to GBF Target 3)		km
				F2.2 Area of locally managed areas / co-managed areas		km
	19	C Standa		F2.3 Area of fisheries management		km
	ICRI	RACE TO	Convention on Biological Diversi	F2.4 Area with pollution mitigation		km

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- By end of 2024, GFCR Programmes can share and download Fund Indicators from multiple projects with UNEP analysts / UN Global Team on MERMAID dashboard
- This will enable standardized reports with maps / charts / tables



Convention on

Biological Diversity

UNG

environment

programme



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- MERMAID will support GFCR Programmes with guidance and training for data entry and reporting of GFCR Fund Indicators
- Project Indicators will be developed and supported by UNEP



Amkieltiela MERMAID Community Manager

UN

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MERMAID

Hands-on workshops, webinars, tutorials and training materials to support GFCR Programmes in M&E reporting

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Monitoring and Evaluation Toolk October 2023

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Thank you! Now, Q&A with GFCR Team

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Ask further M&E questions

The **M&E Toolkit** is available for download here: <u>https://gfcr.ubuntoo.com/k/bimonthly-gfcr-reef-practitio</u> <u>ner-discussion-m-e-system-implementation</u>

Want any clarification or need more details? Ask your M&E question in the dedicated **REEF+ Forum**: <u>https://gfcr-forum.ubuntoo.com/discussion/8/gfcr-monit</u> <u>oring-evaluation/p1?new=1</u>



Next Practitioner Discussions

Potential themes:

- Webinar Great Blue Wall (IUCN)
- Practitioners Discussion How to get investors engaged (Blue Finance / Pegasus)
- Please Send Contacts to Kayla Kim kayla.kim@undp.org



Thank You

