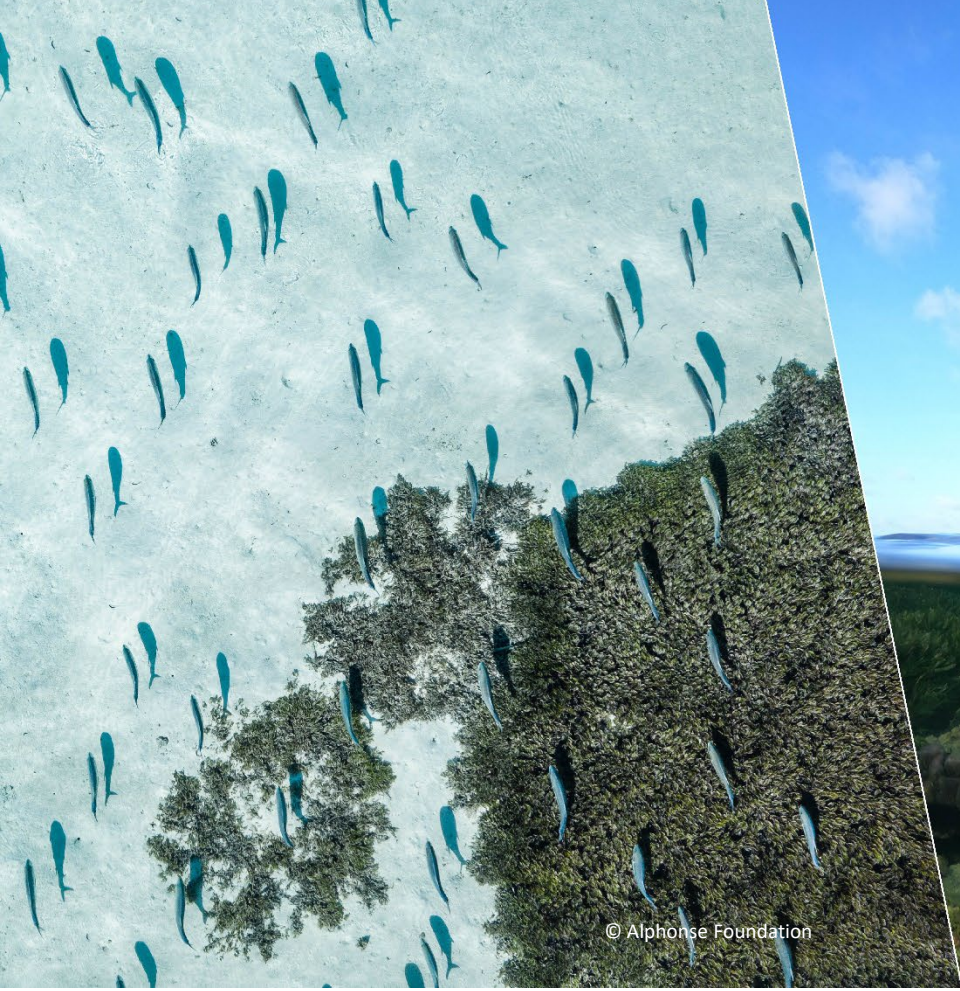


Session 6



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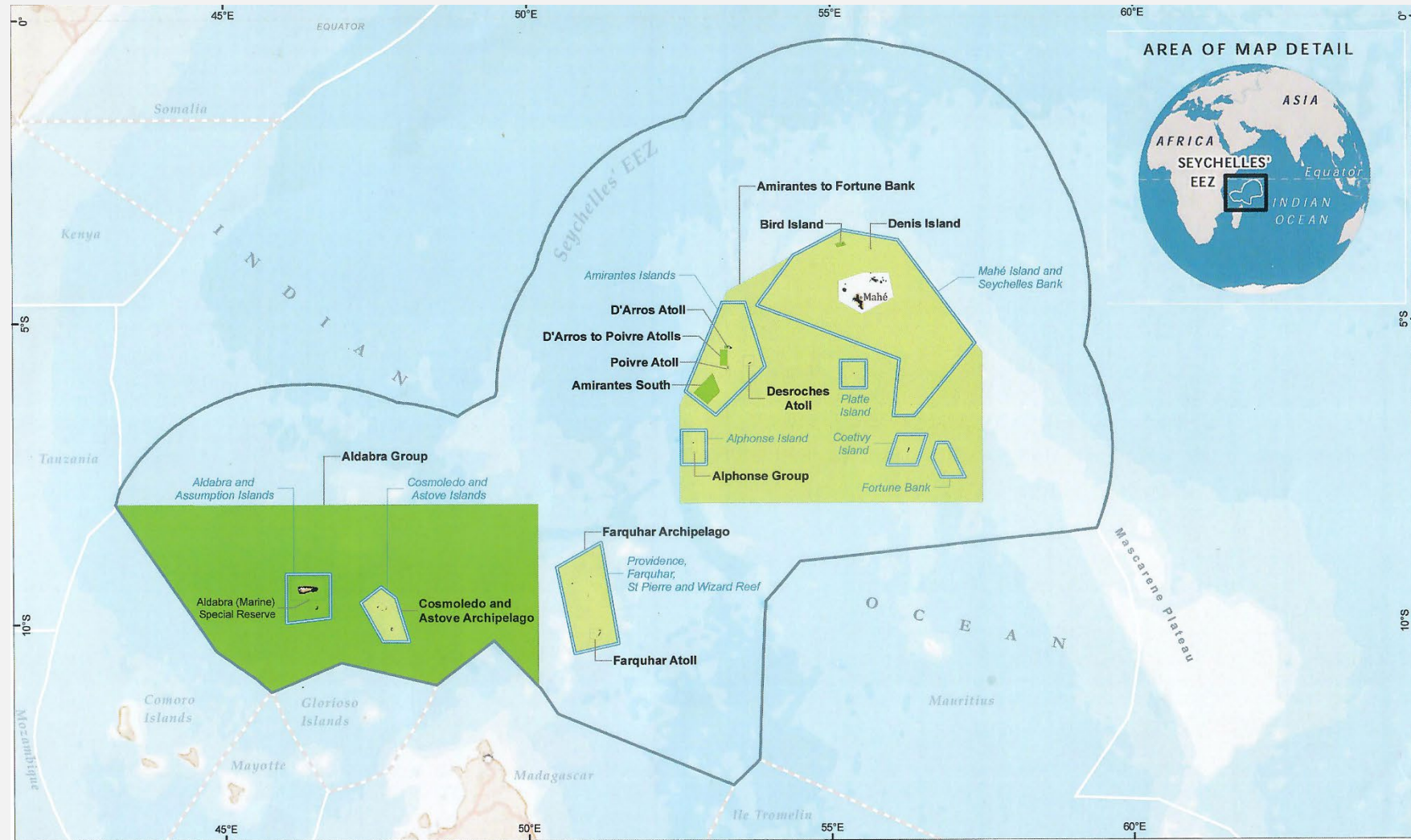


SEYCHELLES CONSERVATION
AND CLIMATE ADAPTATION
TRUST
SeyCCAT

Seychelles seagrasses from 2020 to now?

ANNIKE FAURE, PROJECT MANAGER

About Seychelles and the SMSP



01

Paris agreement?

- overarching goal is to **hold** “the increase in the global average temperature to well below 2°C above pre-industrial levels” and pursue efforts “to **limit** the temperature increase to 1.5°C above pre-industrial levels.”
- **Implementation** of the **Paris Agreement** requires **economic and social transformation**, based on the best available science
- **Paris Agreement** works on a **five-year cycle** of increasingly ambitious climate action
- **nature-based solutions.**

02

Nationally determined contributions NDCs

- **196 countries** signed the Paris agreement,
- NDCs are at the heart of the Paris Agreement and the achievement of its long-term goals. NDCs embody efforts by each country to reduce national emissions and adapt to the impacts of climate change.
- Essence NDCs are national climate action plans
- In their NDCs, countries communicate actions they will take to reduce their greenhouse gas emissions in order to reach the goals of the Paris Agreement. Countries also communicate in their NDCs actions they will take to build resilience to adapt to the impacts of climate change.
- **coastal wetlands** are being proven to be useful features in achieving these commitments as **nature-based solutions.**

Coastal Wetlands and Climate Change Project

- Policy, Finance & Community engagement/education

VS.

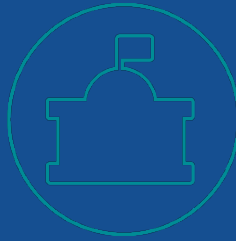
Seychelles Seagrass Mapping and Carbon Assessment Project

- Science mapping and carbon stocks



03

POLICY AND FINANCE



SeyCCAT supported government in submitting its updated NDC (July 2021) with **blue carbon text**



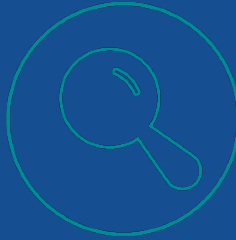
Several **policy workshops** held to **support government and partners**, to continue the road to including and implementing the country's NDC's coastal wetland commitments



Seagrass Conservation Pool – examined the **feasibility of a SCP** for Seychelles (report) and Project Idea Notes by Silvestrum Climate Associates

03

POLICY AND FINANCE



Identify and test **revenue generating possibilities** of seagrass (report)



Supporting Government of Seychelles - **Blue Carbon Policy** and **Seychelles Coastal Wetlands Policy**



Support the Seychelles Government in **identifying and securing sources of funding or financing mechanisms to support implementation of 2021 NDC commitments to coastal wetlands**

04

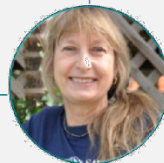
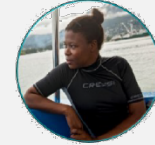
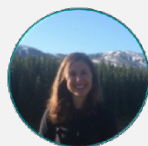
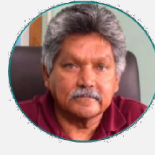
Seychelles Seagrass Mapping and Carbon Assessment Project



UNIVERSITY OF
OXFORD



THE TEAM



The DATA

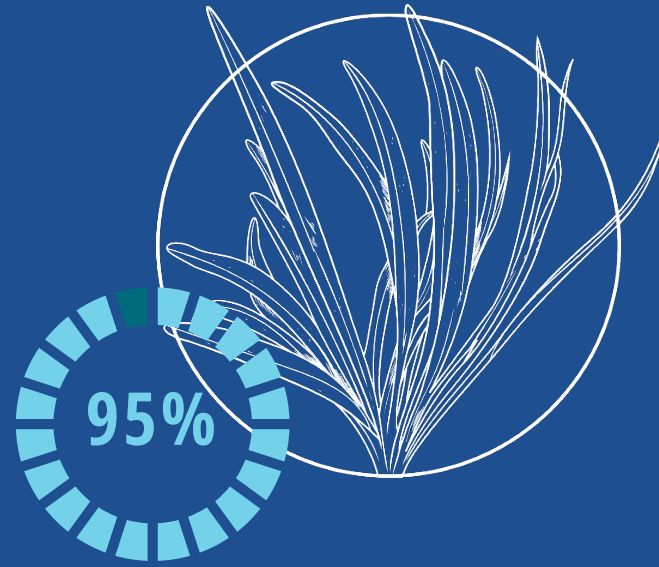
Table 2: Field data summary

Region	Location	Sediment cores	Vegetation/ Root Samples	Drop Camera Videos	Georeferenced Photo quadrats
Inner Islands	Mahé	16	4	101	16,413
	Praslin & La Digue	21	0	0	12,736
Outer Islands	Desroches	17	11	212	3,908
	D'Arros, St Joseph Atoll & Northern Amirantes Bank	8	8	241	1,732
	Farquhar	7	6	63	1,336
	Cosmoledo	8	8	40	1,351
	Alphonse Group	9	9	95	1,363
	Astove	4	4	0	654
	Denis	0	0	15*	247
	Owen Bank (Mahé Plateau) ^a	2	0	180	0
Legacy (Various)	(Providence Bank, Platte, Alphonse, Mahé, Desroches, D'Arros, Mahé Bank, Bird)	0	0	26 ^b	996
	Total	92	50	793	40,736

^a Additional data collected in Apr 2024 on Greenpeace Rainbow Warrior Cruise.

^b Legacy data from BRUV video stations and collected before 2021.

BCEs in Seychelles



SEAGRASS

159,920 hectares – equivalent
29,000 football fields



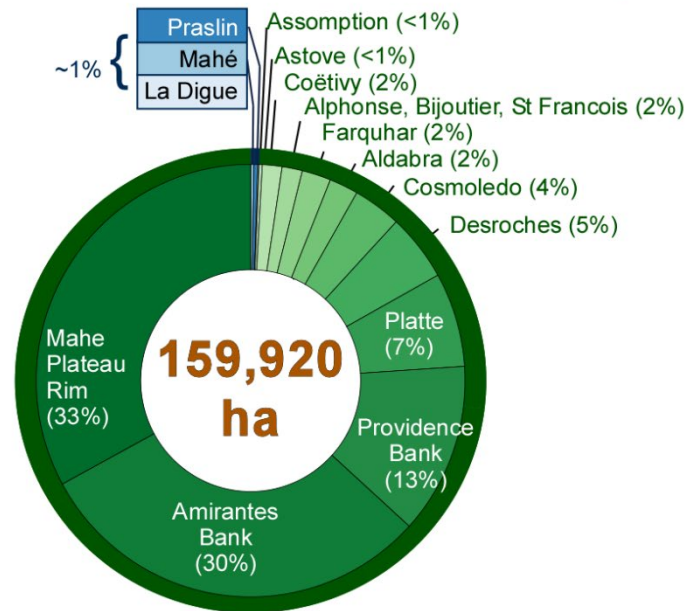
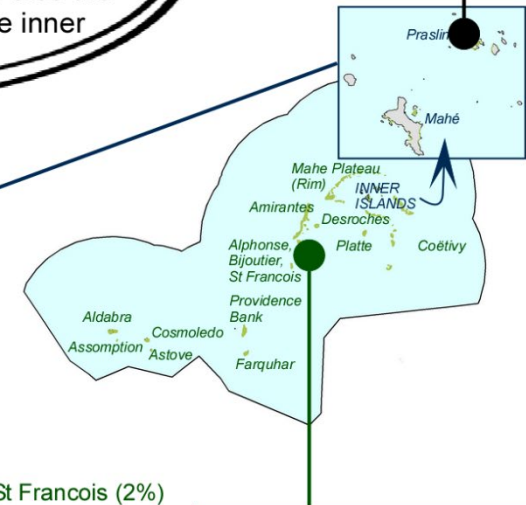
MANGROVES

2,195 ha across the inner
and outer islands

Distribution n Of Seagrass

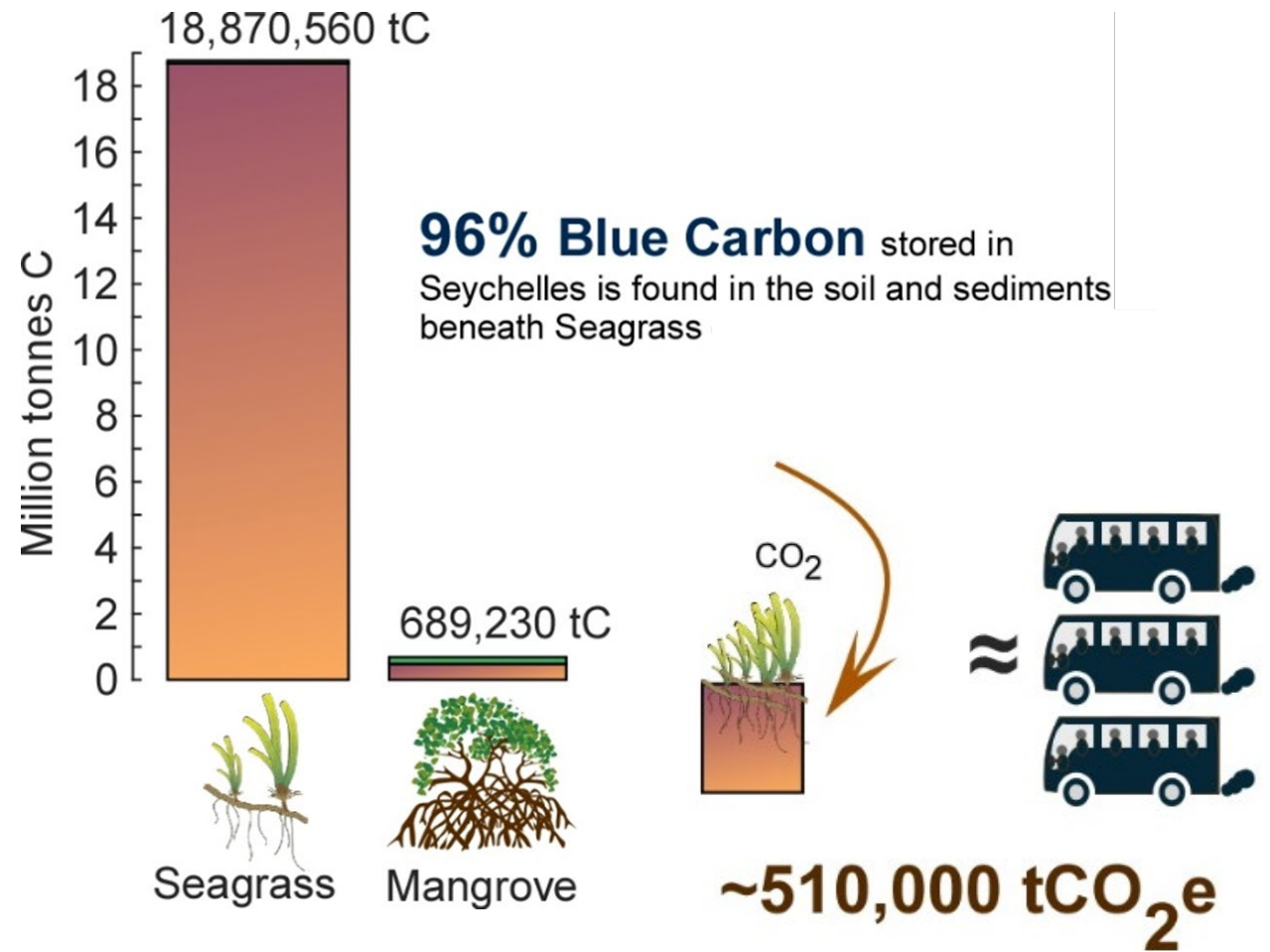
The most diverse seagrass meadow in Seychelles was found at **Baie Ste Anne, Praslin** where at least **7 species** were recorded. This is also the largest seagrass meadow in the inner islands.

The **Inner (granitic) Islands** contain less than 1% of Seychelles' Seagrass habitat, but meadows are typically **more diverse** and dominated by up to 5 species.

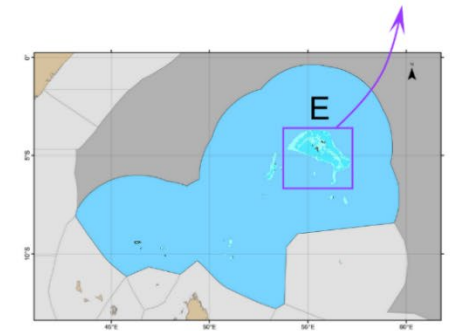
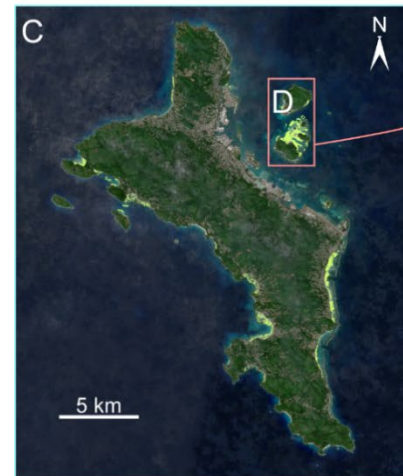
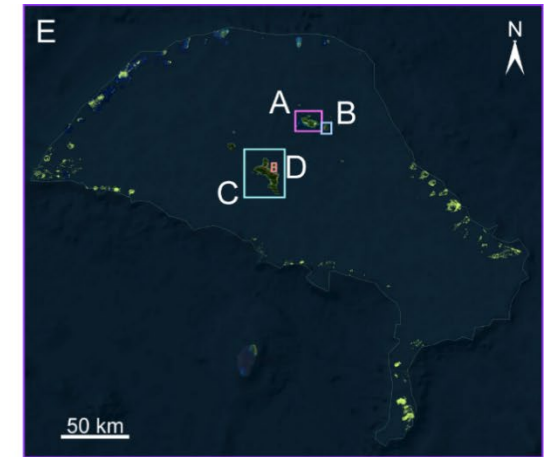
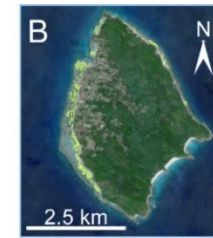
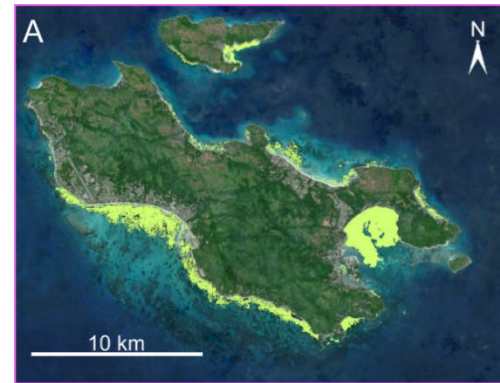


The **Outer (coralline) Islands** contain more than **99% of Seychelles' 159,920 ha Seagrass habitat**, but meadows are dominated by two species - *Thalassodendron ciliatum* and *Thalassia hemprichii* - 33%
Seychelles' seagrass is found on the perimeter of Mahé Plateau, and 30% on the Amirantes Bank, primarily in meadows below 10 m water depth.

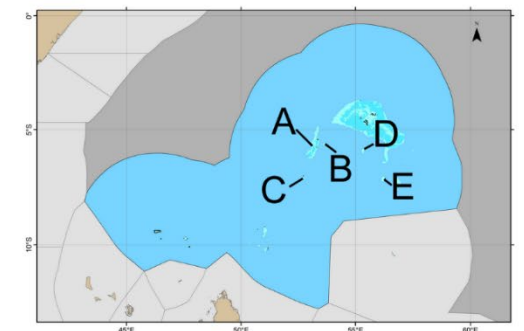
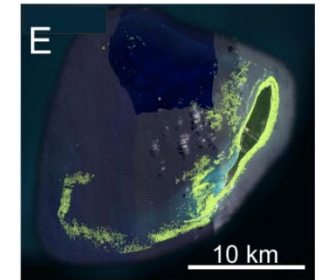
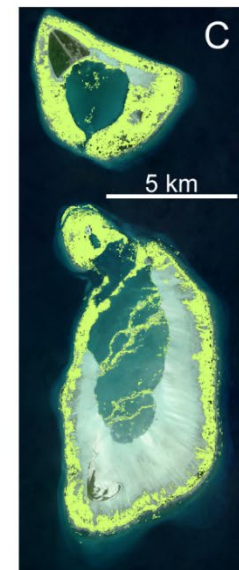
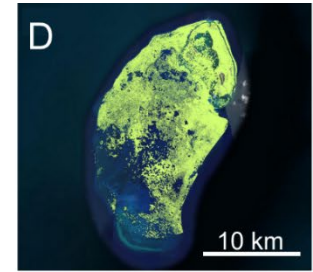
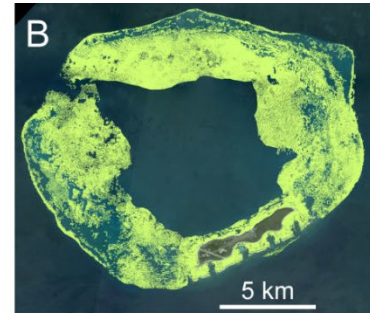
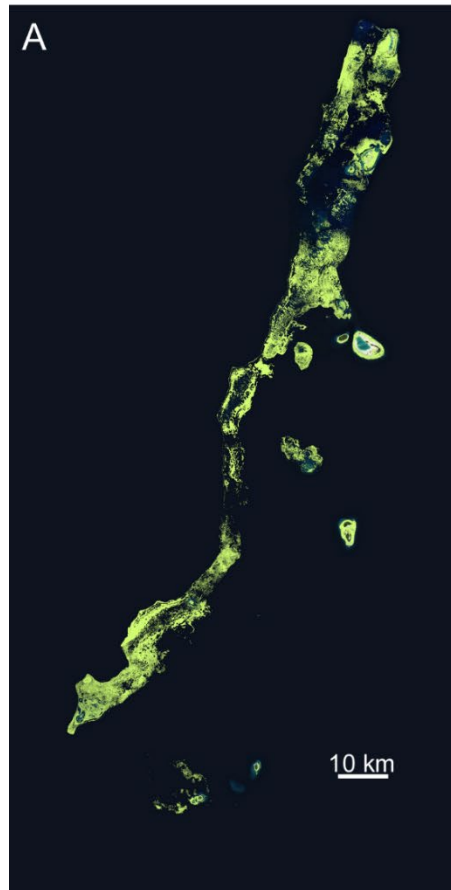
Organic carbon storage



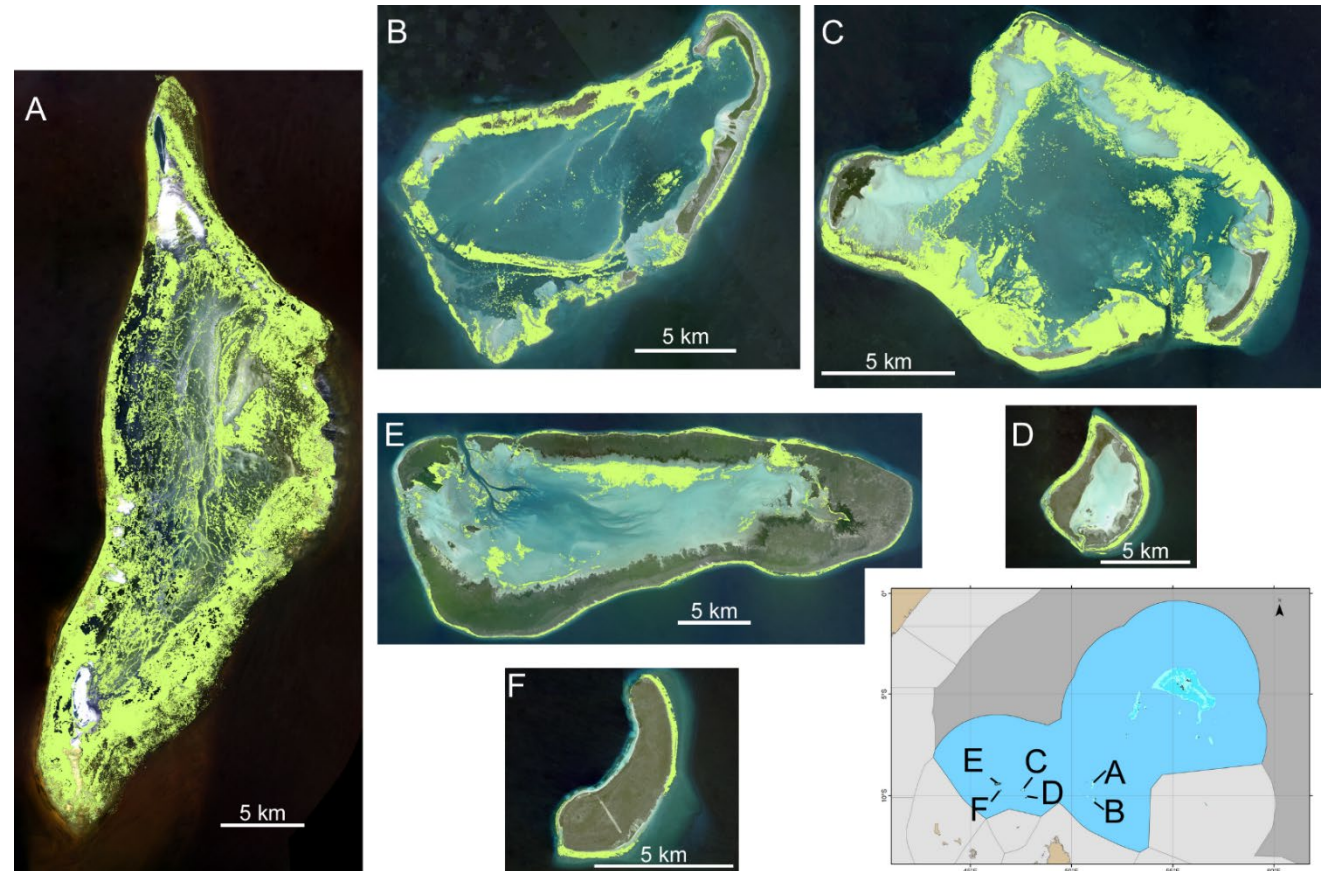
Seagrass Mahe Plateau

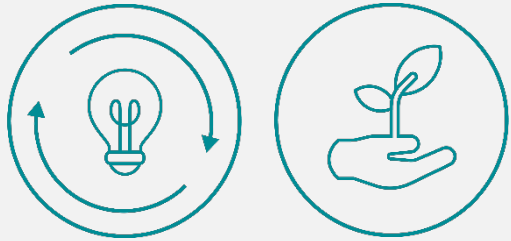


Seagrass Central Region



Seagrass Southern Islands

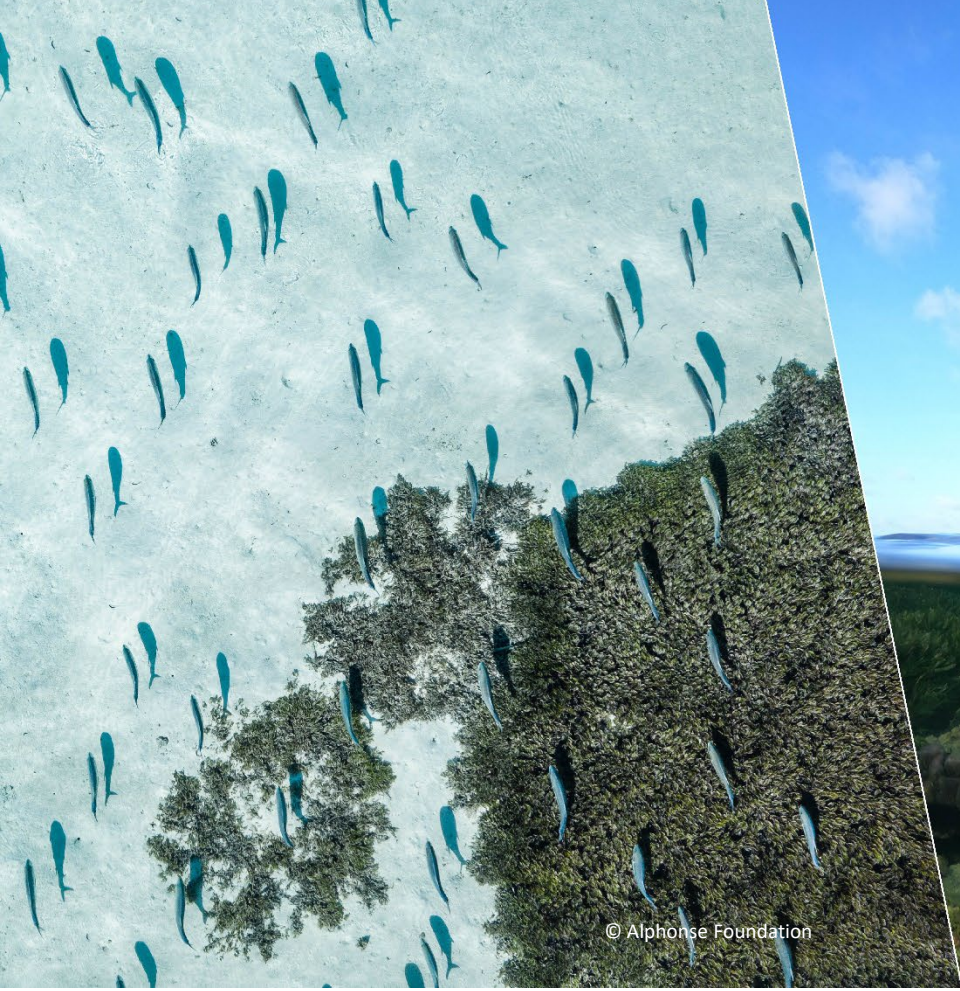




REGIONAL

Regional partnerships, disseminate key learnings, and provide technical expertise, lessons learnt and knowledge exchange – Kenya, Mozambique, Tanzania and Madagascar





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Thank you!

Huge thanks - Dr Gwilym Rowlands and Dr Stacy Baez for their support and slides in creating this presentation