



NMA | NATIONAL
MARINE
AQUARIUM

Our mission:

- The NMA originated from the Marine Biological Association of the United Kingdom (MBA).
 - The NMA opened in 1998.
 - The NMA was the first aquarium in the UK to be run as a charity, solely dedicated to marine conservation, education and research.
- Connecting us with our Oceans.
 - Promoting pro-Ocean behaviour.
 - Creating healthier oceans for the benefit and enjoyment of all.

Our Approach

- Face to face engagement
- Encourage a physical / emotional connection with the Ocean
- Prioritise youth and young families
- Promote pro-Ocean behaviour.
- Inspire through Ocean Optimism.
- Support Ocean Literacy.

Ocean Literacy

Ocean literacy is all about understanding the impact that our daily lives have on the oceans and vice versa

Seven basic principles - an ocean literate person:

- Understands the essential principles and fundamental concepts that determine ocean literacy.
- Can communicate about the oceans in a meaningful way.
- Is able to make informed and responsible decisions about the ocean and its resources.
- Adopt behaviours to support our Oceans

Habits to support our oceans

There are some simple actions
that people can take each day
that will help our oceans:



Walk, ride or use
public transport
where possible.



Reduce energy
consumption by
turning off lights
when not in use.



Choose sustainable
seafood as rated
by the Marine
Conservation Society.



Enjoy our oceans
through recreational
activities.



Refuse, Reduce,
Reuse and Recycle.



Become an
Ocean Advocate.

Our Strategic Initiatives

- **Discovery & Learning**
- Delivery of our school's programme nationally.
- **Seagrass restoration initiative**
– a programme to restore degraded seagrass beds through propagation.
- **Plymouth Sound Initiative/ National Marine Park** – engaging with the Oceans/ collaboration with several parties to get Plymouth Sound designated a marine park.

Discovery & Learning Initiative

Schools engagement

- 280,000 visitors, 25,000 Schools programme
- Curriculum based shows, tours and workshops in the NMA.
- National outreach programme facilitated through our three hubs – Plymouth, Cardiff and Newcastle.
- We aim to have 25 hubs nationwide by 2024.
- STEM Fest annual programme.
- Work collaboratively with partners to build links across the sector e.g. Defra, British Council, JNCC, Natural England and Cardiff City Council.

Seagrass Restoration Project

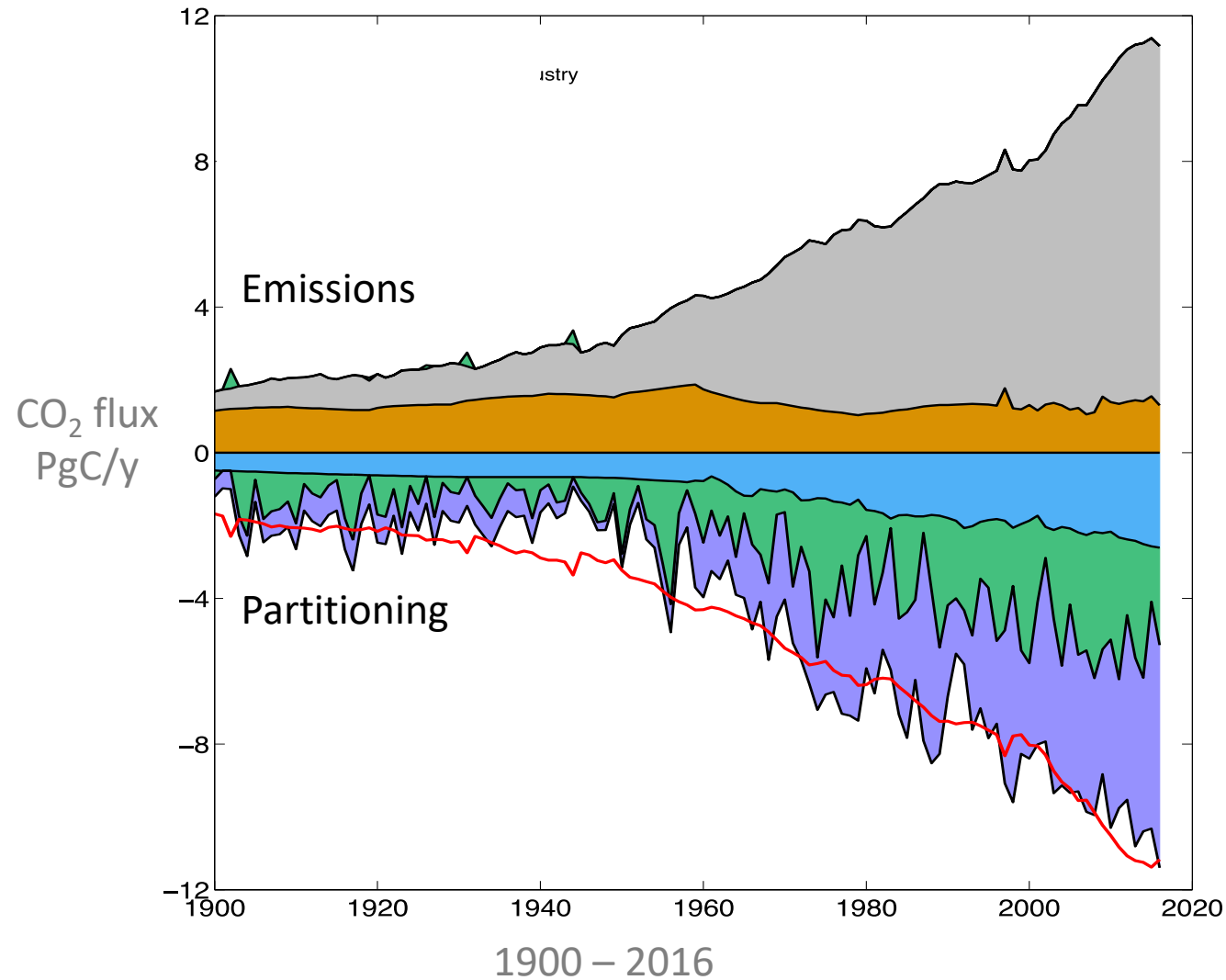
Seagrass, the Ocean's only flowering plant

**Fisheries
Support**

**Coastal
Management**

**Carbon
Capture**

The global carbon cycle and CO₂ emissions



fossil CO₂ emissions

land CO₂ emissions

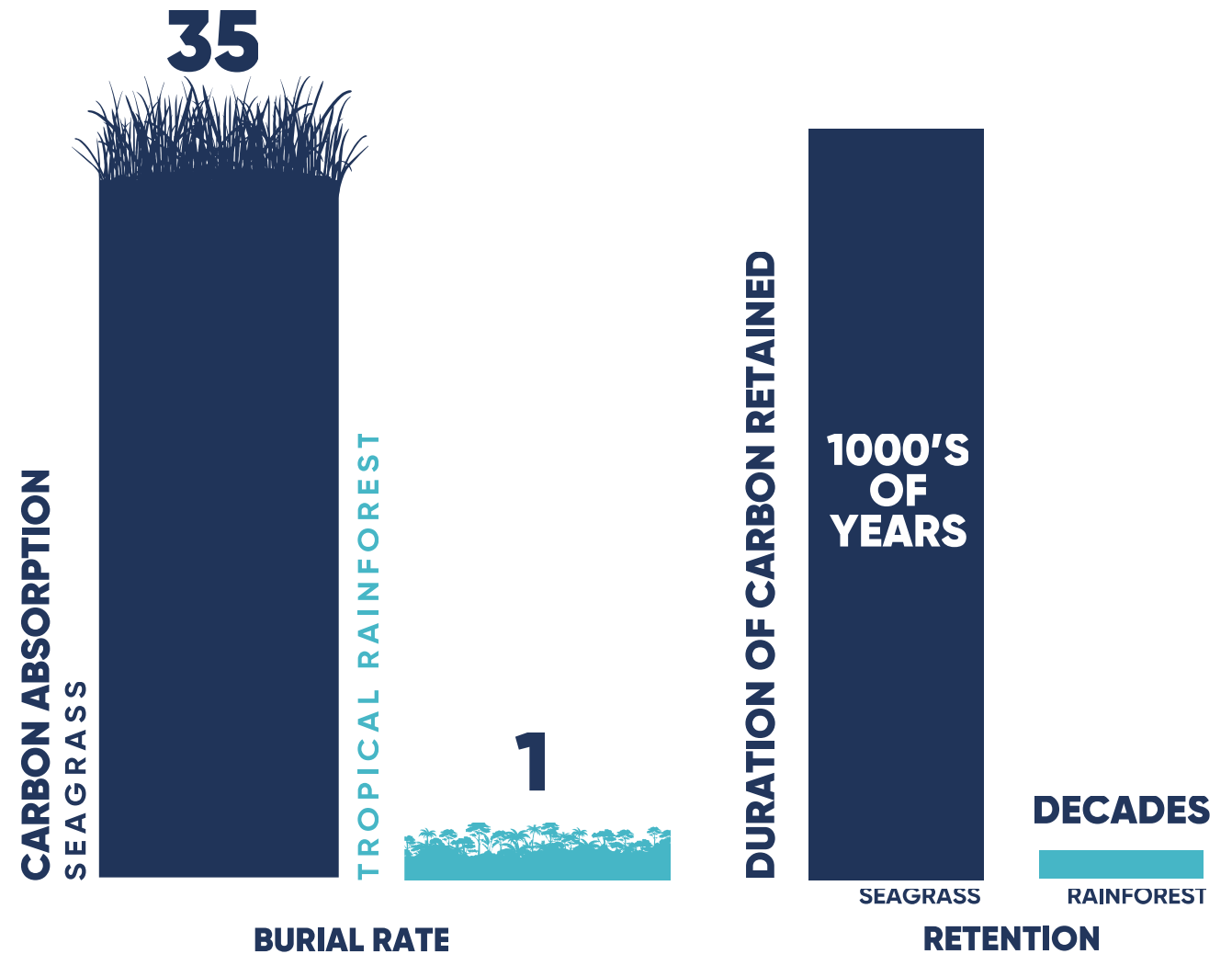
ocean CO₂ sink

terrestrial CO₂ sink

atmospheric CO₂ growth

Blue Carbon

Ecosystem
Long Term
Soil Carbon
Burial Rate

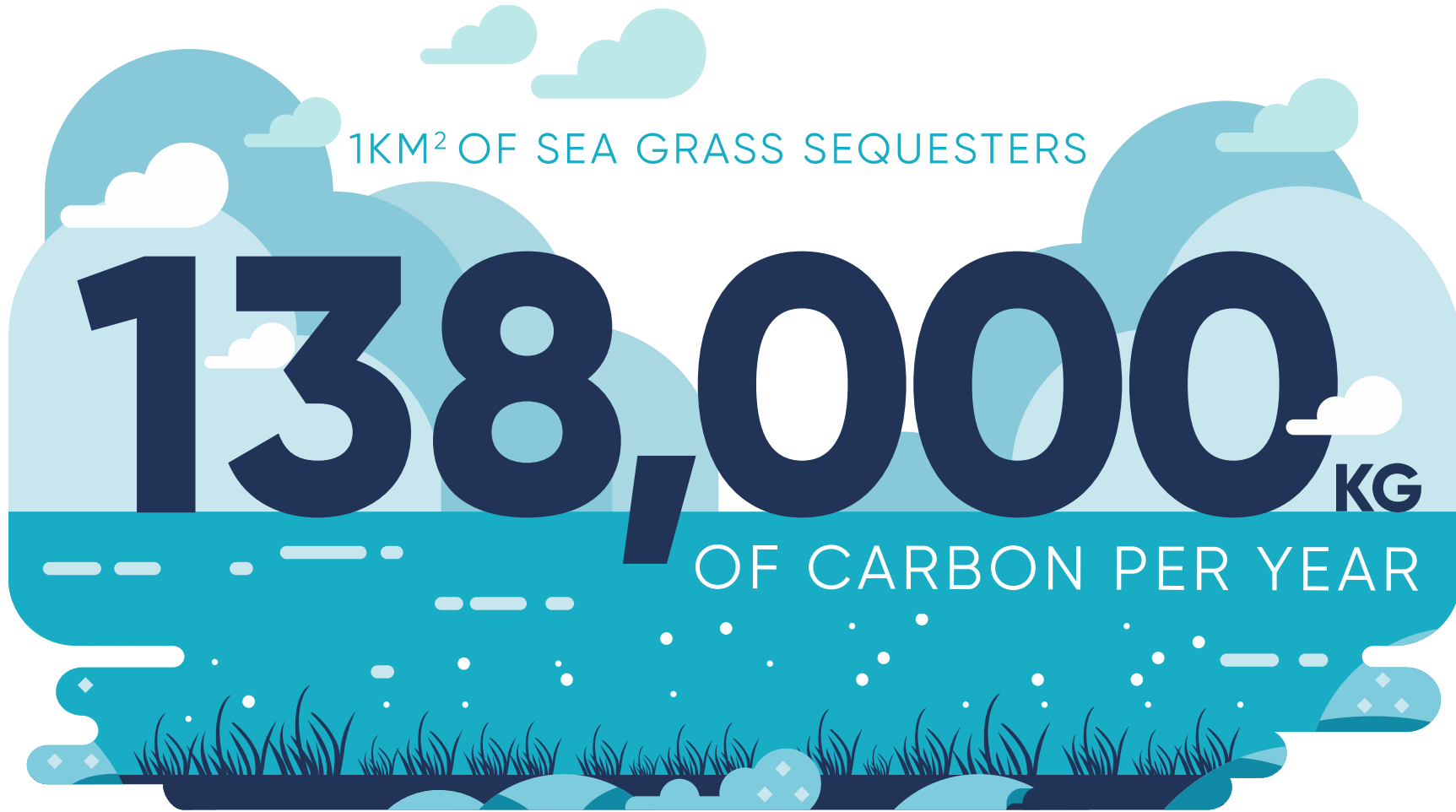


Blue Carbon

1KM² OF SEA GRASS SEQUESTERS

138,000 KG

OF CARBON PER YEAR



An underwater photograph showing a dense field of green seagrass blades. The water is a clear, deep blue. The seagrass blades are long and narrow, with some showing signs of wear or damage. The title 'Temperate Seagrass Restoration Plan' is overlaid in large, white, sans-serif font, centered in the upper half of the image.

Temperate Seagrass Restoration Plan

Temperate Seagrass Restoration Plan



GERMINATION &
PROPAGATION TRIALS

1-2 YEARS



PROPAGATION &
TRANSPLANTATION TRIALS

3-5 YEARS



LARGE SCALE PROPAGATION
& TRANSPLANTATION

5+ YEARS

Plymouth Sound Initiative

This initiative is all about giving people the opportunity to physically engage with the Ocean.

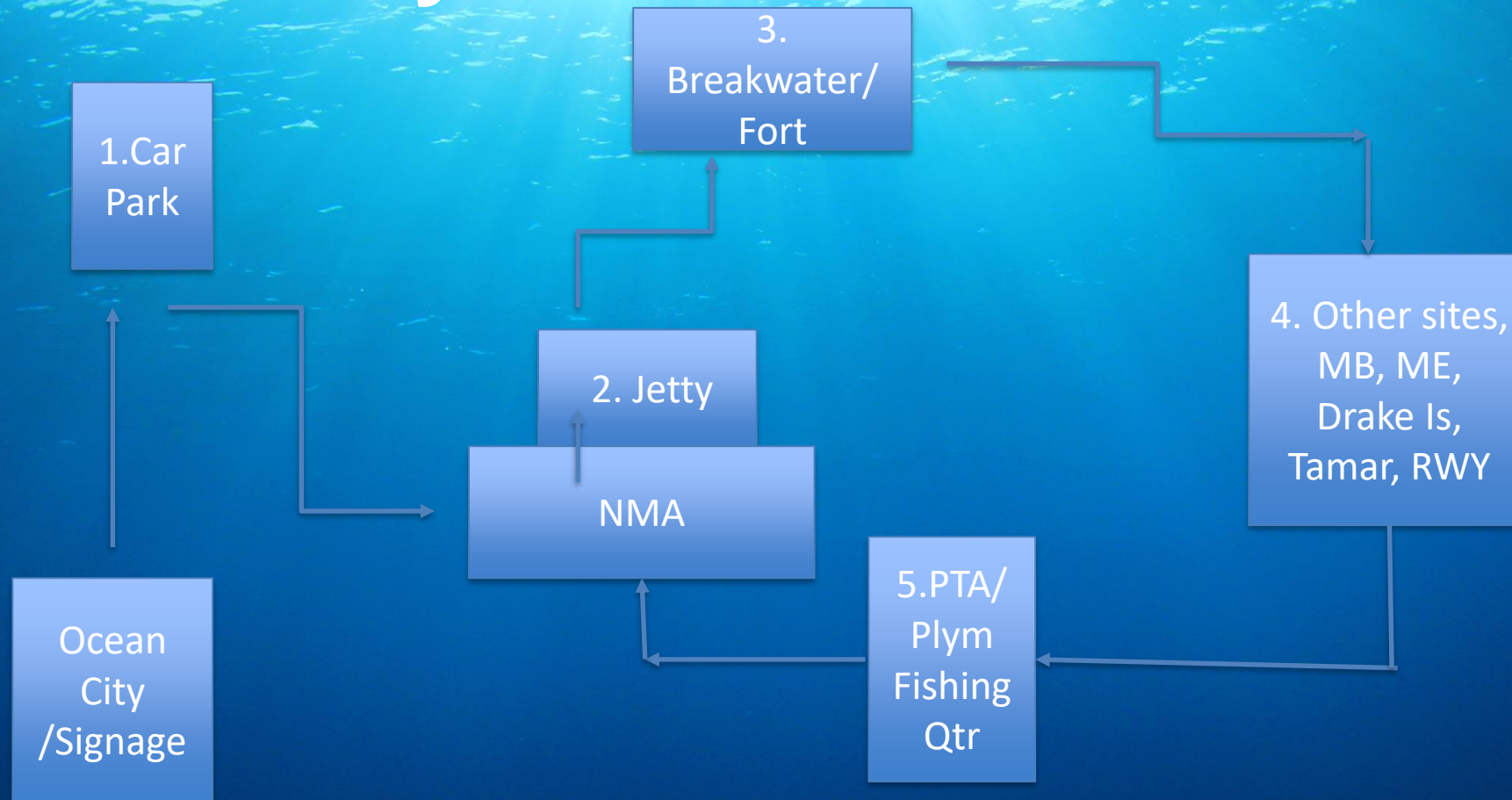
The programme includes:

- Hosted boat tours.
- Ocean Squad for teenagers.
- Young Carers Ocean Squad.
- Community engagement.
- Beach cleans.
- Rock pooling.
- Cliff walks.
- Fish market tours.

Plymouth Sound is a jewel and could be so much more for so many more



Gateway



Plymouth Sound National Marine Park







- NMA –Important part of the visitor attraction mix
- Not just a place to come when it rains
- Could be so much more
- Look forward to playing our part in delivering a fantastic celebration for 2020
- Progressing our initiatives and becoming the Gateway to the UK's first National Marine Park

What a fantastic legacy for Mayflower 400 !





NMA | NATIONAL
MARINE
AQUARIUM