#CoastalFutures23 25-26 January, London & livestream



Our Ocean and Coastal Future for the Next Decade





Marine Protected Areas (MPAs): From Paper to Protection

CHAIR Sue Gubbay

25th & 26th January, 2023 Royal Geographical Society, London & online







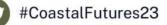
Marine Protected Areas (MPAs): From Paper to Protection

Dr Simon Cripps, Wildlife Conservation Society

A Global Perspective on the UK reaching 30x30 targets

25th & 26th January, 2023 Royal Geographical Society, London & online





A GLOBAL PERSPECTIVE ON THE UK REACHING 30X30 TARGETS

Coastal Futures Conference 2023



DISCOVER PROTECT INSPIRE

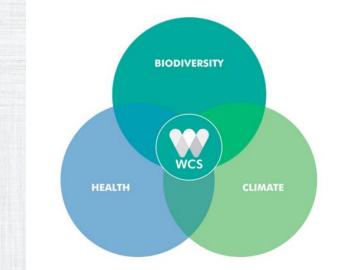
Dr. Simon Cripps Executive Director – Marine Conservation

WILDLIFE CONSERVATION SOCIETY

••

- > 125 years
- 60 countries (26 marine)
- 5,000 staff
- Bronx Zoo HQ
- Zoos & Global Conservation Programme
- One of world's largest global implementers





FIRST ANNUAL REPORT

OF THE

NEW YORK ZOOLOGICAL SOCIETY

CHARTERED IN 1895

OBJECTS OF THE SOCIETY

A PUBLIC ZOOLOGICAL PARK THE PRESERVATION OF OUR NATIVE ANIMALS THE PROMOTION OF ZOOLOGY







CONCLUSIONS

- 30x30 is THE big conservation initiative of this century (though imperfect and poorly defined) taken together with other CBD targets.
- It's not just about the numbers (quality vs quantity).
- To restore the health and productivity of our seas the governments in the UK appear to have some way to go to achieve 30x30.
 Revised CBD action plans are a great opportunity to match rhetoric to delivery here and in ODA countries.

CONTENTS

- Background to the 30x30 decision.
- What 30x30 is and what it isn't quality.
- What we need to do about it UK





BACKGROUND - An historic CBD

- 2010 Aichi Target 11 of 10% marine not enough.
- 2016 IUCN reflected a groundswell 10 ^ 30%.
- HAC for Nature & People Costa Rica, France
 & UK. >100 countries
 - "To halt the accelerating loss of species, and protect vital ecosystems that are the source of our economic security."
- Global Ocean Alliance UK, > 73 countries
- At CBD Montreal 195 governments pledged to protect at least 30% of sea and land by 2030 – 30x30 (Target 3) + 22 other targets.
 - Part of the Post-2020 Global Biodiversity Framework (post Aichi targets)



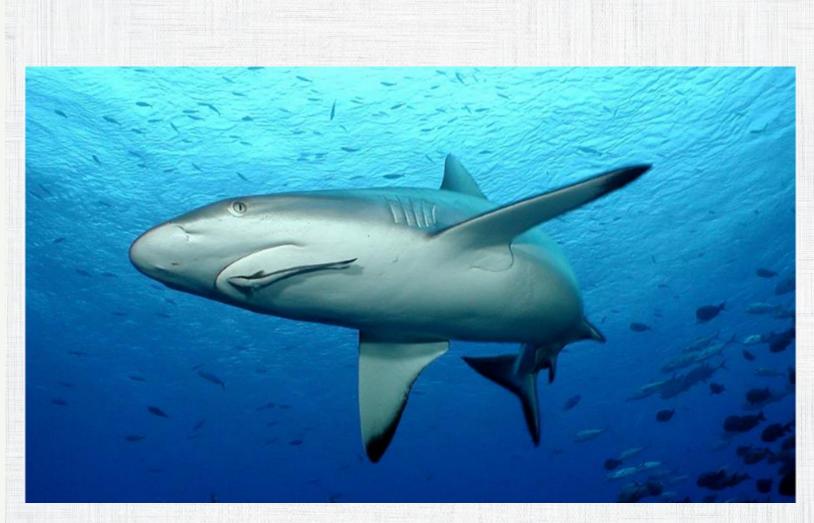


Lord Goldsmith and Ministers calling for high ambitions and 30% at CBD

30 x 30

- 8.1% currently in MPAs 2.4% fully or highly protected.
- An increase to at least 30% = 11 x USA.
- Other elements in the Post 2020 Global Biodiversity Framework important.
 - quality, indicators, monitoring framework, ecological integrity, restoration, spatial planning and equity.
- Weak on subsidies and fishing impacts.
- All countries including UK have to produce revised action plans (NBSAPs) – an opportunity to catch up.





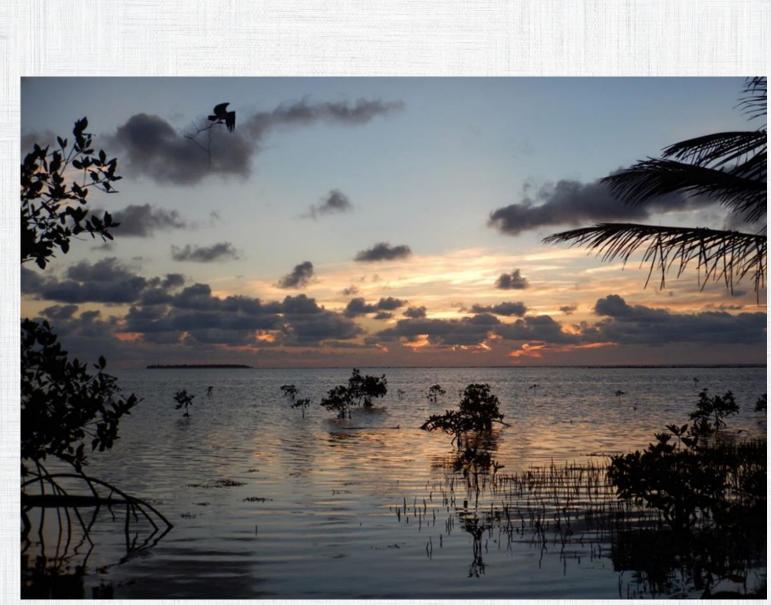
https://mpatlas.org/zones

PRINCIPLES FOR SUCCESS OF 30x30 (quality vs quantity)

• •

- 1. Benefits tangible benefits for both nature and people.
- 2. Location scientifically defined priority areas.
- 3. Rights centering the human rights of local communities.
- 4. Enabling instruments support for vital underpinning elements, e.g. sustainable finance & nutrition.
- 5. Longevity sustained not short-term wins.
- 6. Reality effective management and measurable impacts.





Glovers Reef MPA, Belize

DEFINITION OF AREA BASED PROTECTION – MPAs and OECMs

- MPAs: IUCN category I VI
- OECM: Other effective area based conservation measures
 - Not just managed fisheries.
- Indigenous Peoples areas.
- Still debate as to what will count towards 30x30.
 - Key topic at CoP16 in 2024
- Monitoring framework and indicators also policy opportunities.













Plan

Management

Chile

- Total EEZ: 3,668,776 km²
- MPA Area: 208,016 km²
- Current 41%. Expected 46.6%

Bangladesh

- Total EEZ: 118,813 km²
- MPA area: 1,735 km2
- Current 5.5%. Expected 10%

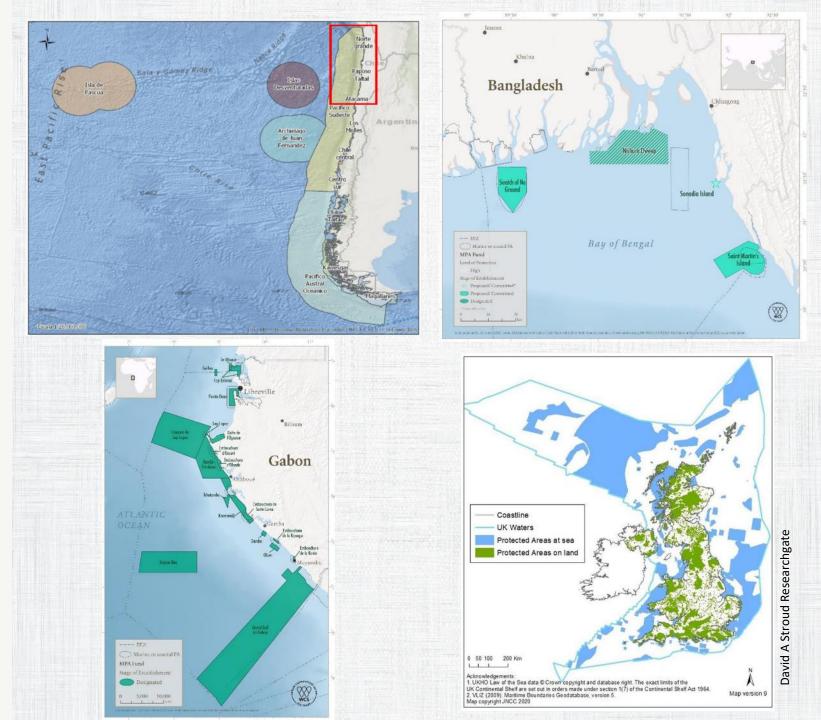
Gabon

- Total EEZ: 201,759 km²
- Baseline MPA area: 1,000 km²
- Current 26%. Expected 30+%

UK (JNCC)

- Total EEZ: 885,430 km²
- Baseline MPA area: 338,545 km²
- Current (8% WCSL Eng) 38% (JNCC UK)





UK MPAs – leader or laggard?

• •

UK MPA designations: SAC, SPA, MCZ, EMS, NCMPA, Ramsar etc.

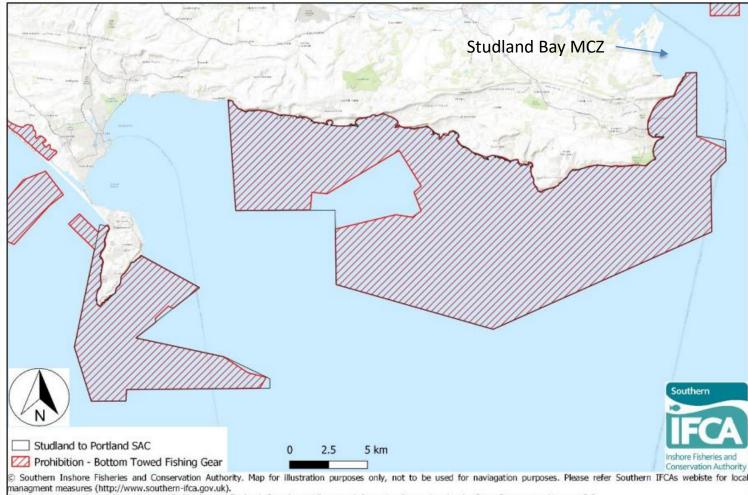
MPAs: A features based approach - through Habitats Risk Assessments.

Regulation and enforcement left to the IFCAs based on fisheries only activities on "conservation objectives", i.e. features.

What then is the actual UK 30x30 progress?

Is there alignment between what UK international teams preach and domestic teams are able to practice?





Contains, or is based on, information supplied by Natural England. Contains public sector information licensed under the Open Government Licence v3.0. Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, @ OpenStreetMap contributors, and the GIS User Community.

Figure 2. A map showing the areas in the Studland to Portland SAC which are closed to bottom towed fishing gear.

+ minimum landing size regs

<8% protection: Wildlife & Countryside Link 2022

https://www.wcl.org.uk/assets/uploads/img/files/WCL_2022_Progress_Report_on_30x30_in_England.pdf

30x30 is THE big conservation initiative of this century (though imperfect and poorly defined) taken together with other CBD targets.

It's not just about the numbers (quality vs quantity).

To restore the health and productivity of our seas the governments in the UK appear to have some way to go to achieve 30x30. Revised CBD action plans are a great opportunity to match rhetoric to delivery here and in ODA countries.



#CoastalFutures23 Livestream & London 25-26 January 2023







Marine Protected Areas (MPAs): **From Paper to Protection**

Donal Griffin Fair Seas Ireland

Ireland's Fair Seas: on our way to 30x30

25th & 26th January, 2023 Royal Geographical Society, London & online







Ireland's Fair Seas: On our way to 30x30?

FAIR SEAS

Dr Donal Griffin, Marine Policy Officer #CoastalFutures23 @FairSeasIreland @donalgriffin9 FAIR SEAS

We are a coalition of Ireland's leading environmental nongovernmental organisations and networks.

We seek to protect, conserve and restore Ireland's unique marine environment.

Our ambition is to see Ireland become a leader in marine protection, giving our species, habitats and coastal communities the opportunity to thrive.



FAIR SEAS

• Ireland's marine area is enormous – its stewardship by successive Governments has not been good

('Yes, but...')

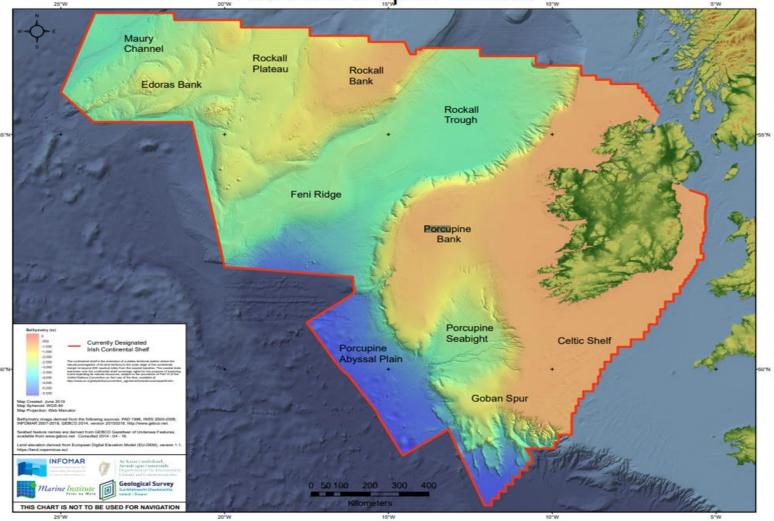
- Quantity and quality of Ireland's current MPA network is extremely poor transformational change needed
- Irish Government is drafting new MPA legislation as we speak –exciting moment for Irish marine conservation
 - Q. How can government and stakeholders be mobilized and motivated over the next decade to achieve real ocean protection?

('They already are, but...')

• Q. Is Ireland on its way to 30x30?



The Real Map of Ireland



Farraigí na hÉireann

- Real map of Ireland is ten times the size of the Island of Ireland
- Over 220 million acres
- Includes, territorial waters, EEZ and parts of the continental shelf

to look after this vast

marine area

FAIR SEAS

How well is Ireland caring for its seas?

"several marine fish and bird species and some marine habitats are under threat or in poor condition." "Fish stocks in Irish waters have fallen because of pressures from overfishing, physical disturbance and damage to seafloor habitats."

"Evidence of warming waters and sea level rise has been recorded around Ireland's coasts and poses a serious risk"

"Marine litter, including plastics and microplastics can be found throughout our marine waters"

"6 of 11 Marine Strategy Framework Directive descriptors failing to fully meet Good Environmental Status"

Big improvements needed



Ireland's Environment An Integrated Assessment 2020 Rialtas na hÉireann Government of Ireland

Marine Strategy Framework Directive 2008/56/EC

Article 17 update to Ireland's Marine Strategy Part 1: Assessment (Article 8), Determination of Good Environmental Status (Article 9) and Environmental Targets (Article 10)

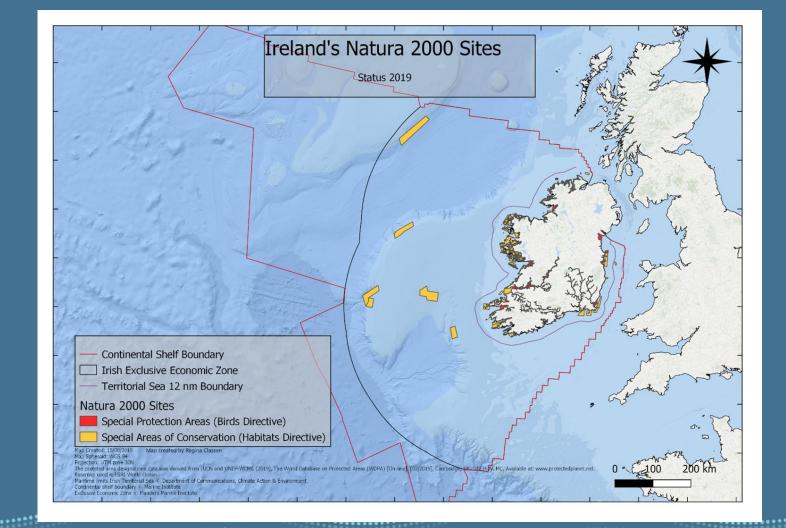
FAIR SE

June 2020

How effective is Ireland's MPA network?

- Primarily consists of Natura 2000 sites (SACs and SPAs)
- Until recently 2.1% of Irish waters designated, but two recent cSACs increased that to 8.3%
- Management plans and conservation measures lacking or nonexistent
- Associated court cases and EU Commission warnings
- Some lack site specific conservation objectives

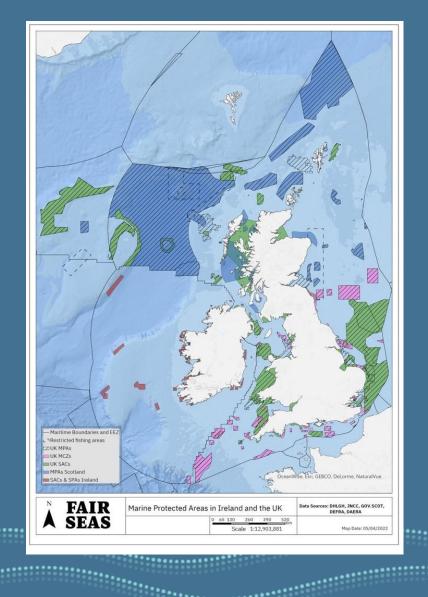
Paradigm shift of how we designate and implement MPAs in Ireland needed



How effective is Ireland's MPA network?

- Primarily consists of Natura 2000 sites (SACs and SPAs)
- Until recently 2.1% of Irish waters designated, but two recent cSACs increased that to 8.3%
- Management plans and conservation measures lacking or nonexistent
- Associated court cases and EU Commission warnings
- Some lack site specific conservation objectives

Paradigm shift of how we designate and implement MPAs in Ireland needed



How will Ireland fulfil its 30x30 commitments?



"We support the principles and ambition of the EU Biodiversity Strategy and <u>will develop comprehensive</u> <u>legislation for the identification, designation, and</u> <u>management of Marine Protected Areas (MPAs)</u> in Irish territorial waters. "

"We will realise our outstanding target of 10% under the Marine Strategy Framework Directive as soon as is practical and aim for 30% of marine protected areas by 2030."

Ireland's Programme for Government, 2020

Can Ireland's new MPA legislation be the paradigm shift needed to properly protect nature at sea?



2020 - Independent MPA Advisory Group published a report *'Expanding Ireland's Marine Protected Area Network'*

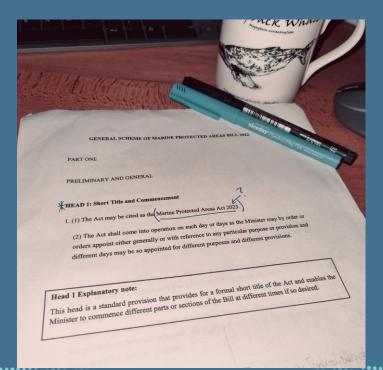
2021 – Public consultation on the report

2022 – Summary of responses published + General Scheme for proposed MPA bill published

2023 – General Scheme to enter pre-legislative scrutiny in the Oireachtas (Dáil Éireann & Seanad Éireann, lower and upper

2023 – Marine Protected Areas Act to be signed into law by Irish president.... (?)

2023 onwards - Act implementation... (?)



How can government and stakeholders be mobilised and motivated over the next decade to achieve real ocean protection?

- If not now, difficult to see when Governments would ever be motivated. Accountability is important
- Stakeholders already hugely motivated. Harnessing that energy meaningfully and usefully is key to successful MPAs
- Ireland's Citizen
 Assembly on biodiversity
 loss. Deliberative
 democracy in action.





Is Ireland on its way to 30x30?

Yes...

Ireland has never been in a better position to achieve its 30x30 commitments

- Seemingly willing Government and pro-active Ministers
- Overwhelming public support
- New legislation forthcoming
- Pressure from EU and internationally
- Opportunity to learn lessons from other countries

Is Ireland on its way to effectively protecting 30% of its seas for nature?

We don't know yet...

Despite positive momentum

- Quality and timeframes of new legislation unknown
- Implementation of new Act and establishment of new structures takes time
- Our track record leaves much to be desired
- Marine renewable energy development scaling up dramatically
- Unclear how fishing management will be implemented differently in offshore sites



It is still true to say Ireland has never been in a better position to live up to the letter and spirit of it 30x30 commitments to protect nature at sea

#OceanOptimism



Go raibh maith agaibh



www.fairseas.ie @FairSeasIreland

FAIR S

#CoastalFutures23 Livestream & London 25-26 January 2023







Marine Protected Areas (MPAs): **From Paper to Protection**

Nick Greenwood, Marine Management Organisation

Managing Fishing in England's Offshore Marine Protected Areas

25th & 26th January, 2023 Royal Geographical Society, London & online









Marine Management Organisation

Managing Fishing in **England's Offshore Marine Protected** Areas

...ambitious for our seas and coasts





- The UK MPA network and progress recap
- MMO management of fishing in offshore MPAs
- How can governments and stakeholders be mobilised and motivated over the next decade to achieve real ocean protection?

...ambitious for our seas and coasts



UK MPA Network

UK waters:

374 MPAs covering 338,545 km²: 38% of waters

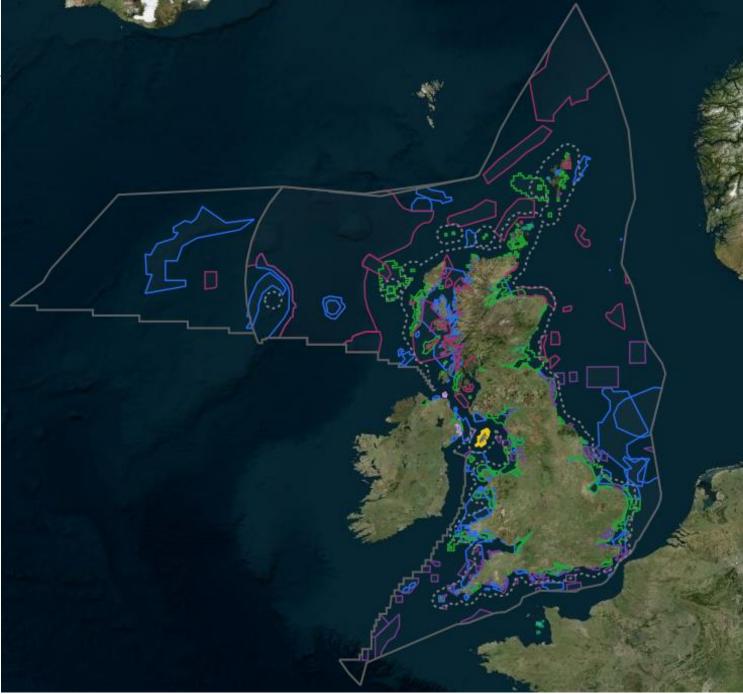
English waters:

178 MPAs covering 92,633 km², 40% of waters

English offshore waters:

40 MPAs covering 66,507 km², 37% of waters

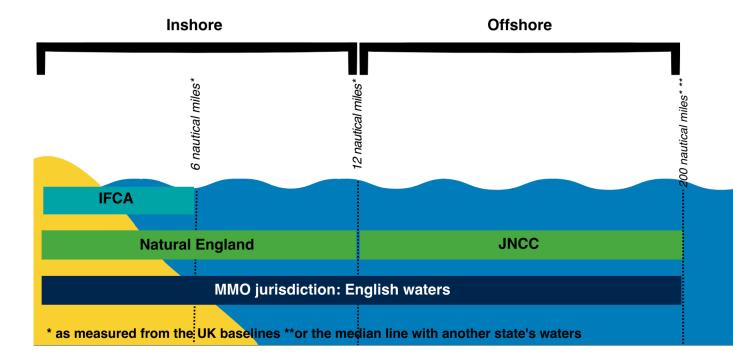
https://jncc.gov.uk/our-work/uk-marine-protected-area-network-statistics/



Management of fishing in English MPAs - recap Management

Marine

- From 2013 MMO and IFCAs introduced by elaws to manage fishing in MPAs 0-12 nm ٠
- Defra, MMO and JNCC worked with EU member states to develop joint recommendations for ٠ offshore MPAs
- January 2021 New powers for MMO to manage fishing in the English offshore region ٠
- MMO leading the assessment and management of all fishing in offshore MPAs by the end of 2024 ٠





MMO Offshore MPA Fisheries Management

STAGE 1	This stage assessed the impacts of fishing in four MPAs with offshore elements, for which management measures are now in force
STAGE 2	This stage is assessing and addressing the impacts of bottom towed gear on rock and reef features in 13 MPAs
STAGE 3	This stage is assessing and addressing the remaining impacts of fishing on all seabed MPA features and includes 41 sites in total
STAGE 4	This stage is assessing and addressing five MPAs designated for highly mobile species (marine birds and harbour porpoise)

...ambitious for our seas and coasts

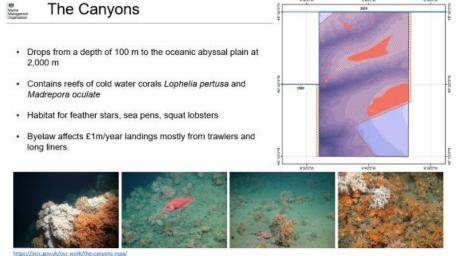


Offshore MPA Fisheries Management: Stage 1

- Management of fishing in 4 offshore MPAs
- Byelaws came into force in June 2022
- Monitoring and control shows very high levels of compliance

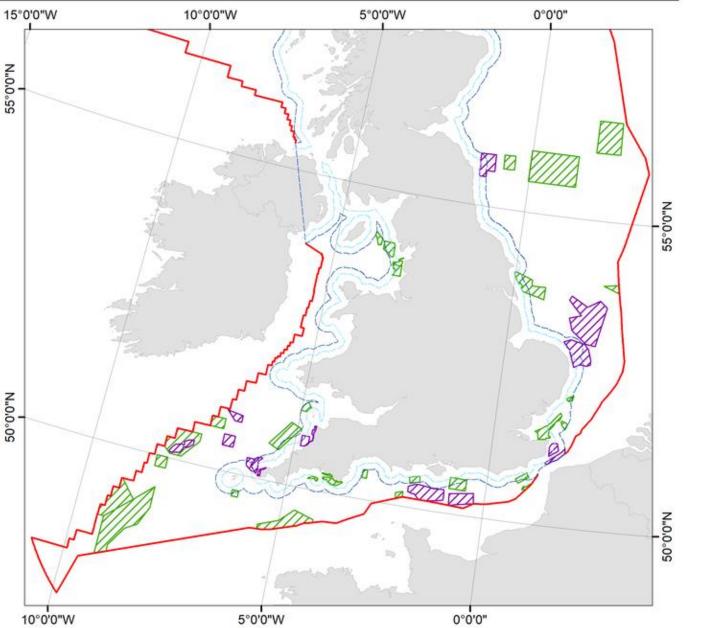






Marine Management Organisation

Offshore MPA Fisheries Management: Stage 2 & 3



- Stage 2 formal consultation on management of **bottom towed gears** over rock and reef features in 13 MPAs
- Stage 3 call for evidence for all fishing over remaining MPA features

https://consult.defra.gov.uk/mmo/stage-2formal-consultation/

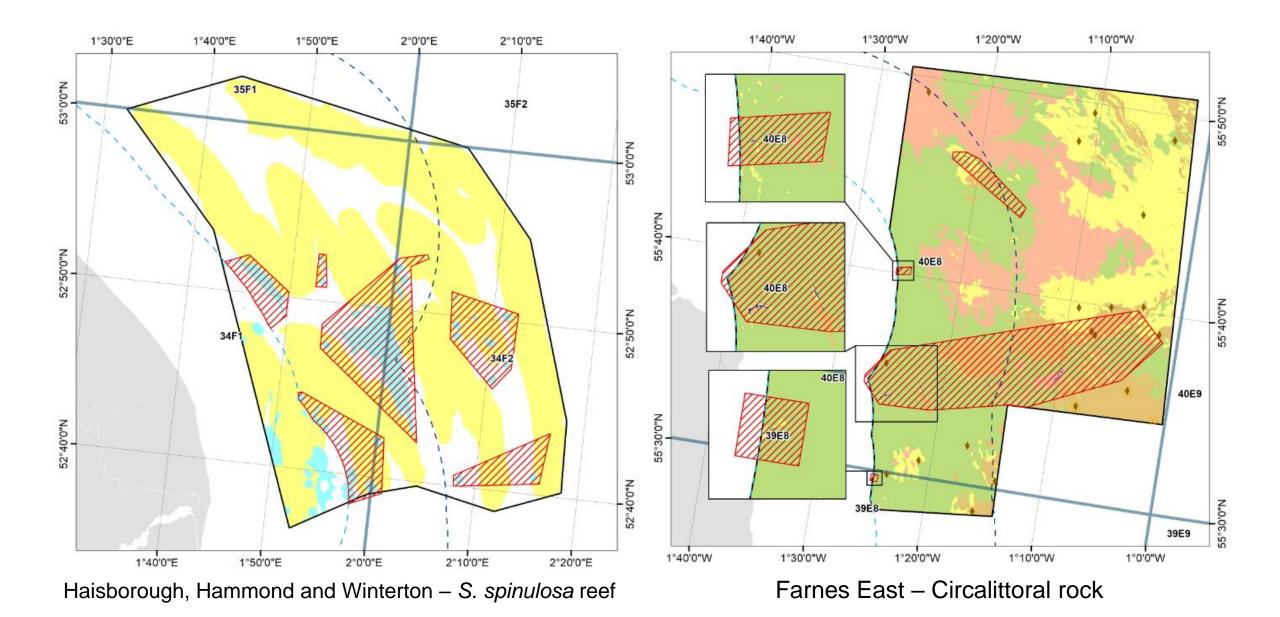
https://consult.defra.gov.uk/mmo/stage-3-callfor-evidence/

conservation@marinemanagement.org.uk

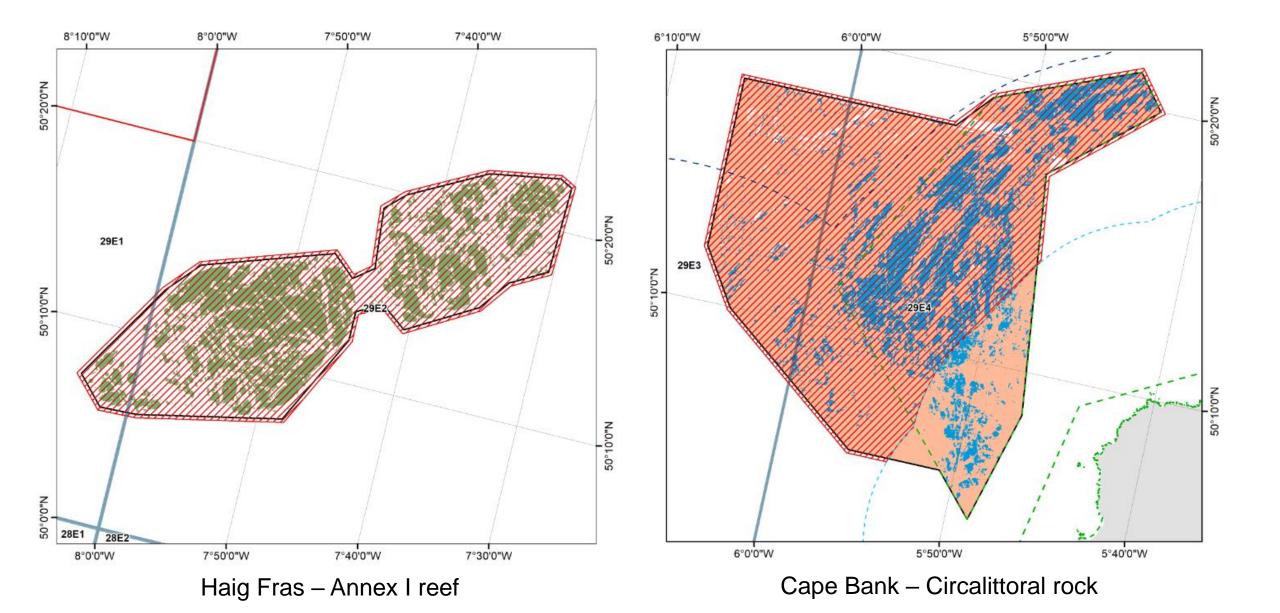
#MPAhaveyoursay

Marine Management Organisation

Offshore MPA Fisheries Management: Stage 2

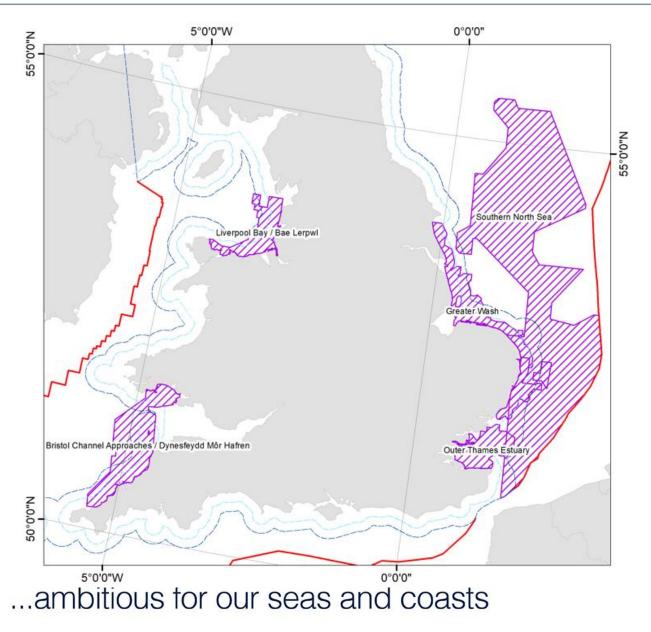


Offshore MPA Fisheries Management: Stage 2



Marine Management Organisation

Offshore MPA Fisheries Management: Stage 4



Marine Management Organisation

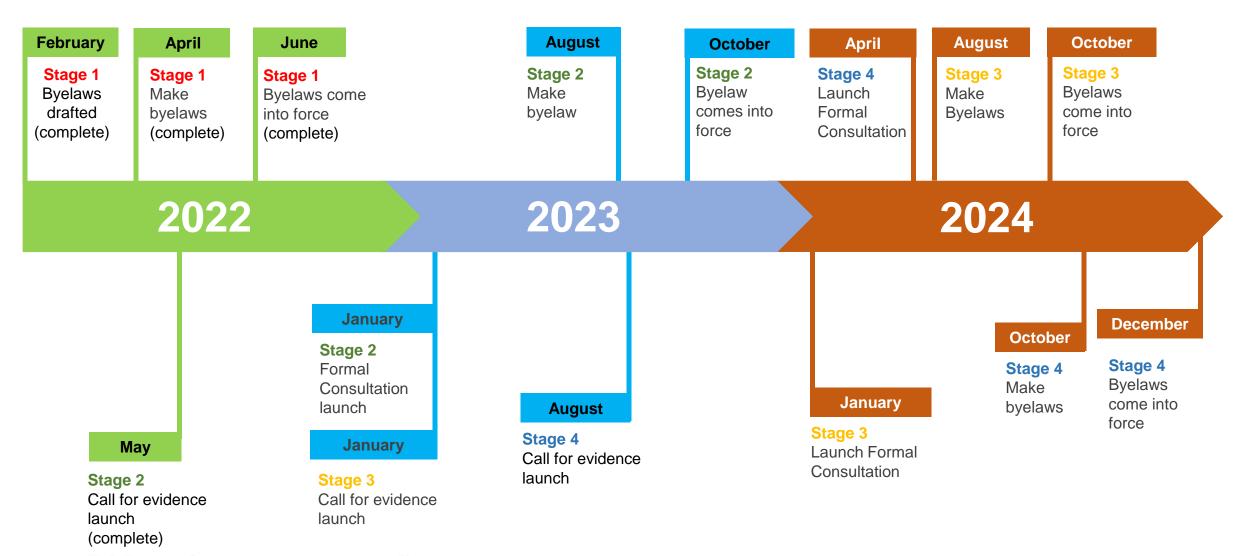


© Natural England/Allan Drewitt



© Natural England/Rebecca Walker

Offshore MPA Fisheries Management Timeline



...ambitious for our seas and coasts

Management Organisation Mobilising and motivating to achieve real ocean protection

- Celebrate successes
- Articulate the 'so what' using natural capital and ecosystem services
- Recognise trade-offs winners and losers
- Think beyond MPAs

Marine Natural Capital Ecosystem Assessment Programme: Introducing the Marine Natural Capital and Ecosystem Assessment Programme (mNCEA) - Marine Science (blog.gov.uk) MMO2030 Strategic Plan: MMO2030 Strategic Plan - GOV.UK (www.gov.uk)



Thank you, any questions?

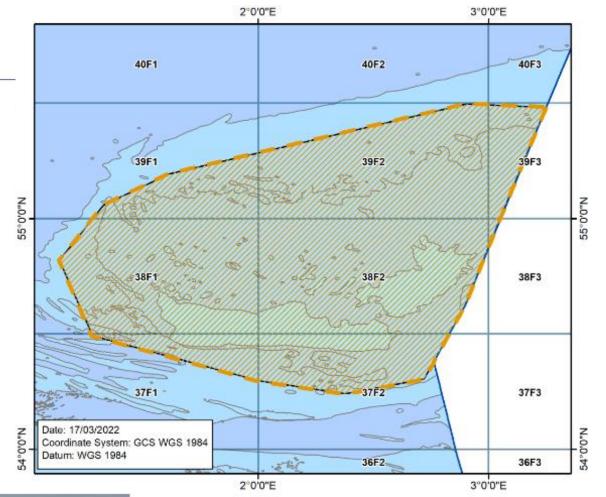
...ambitious for our seas and coasts



23 Marine Management Organisation

Dogger Bank

- 12,331 km² five times the size of the Lake District National Park.
- Estimated £6.5m/year fish landed from Dogger Bank
- Important habitat for biodiversity, and commercial fish species and their prey
- Total prohibition of bottom towed fishing

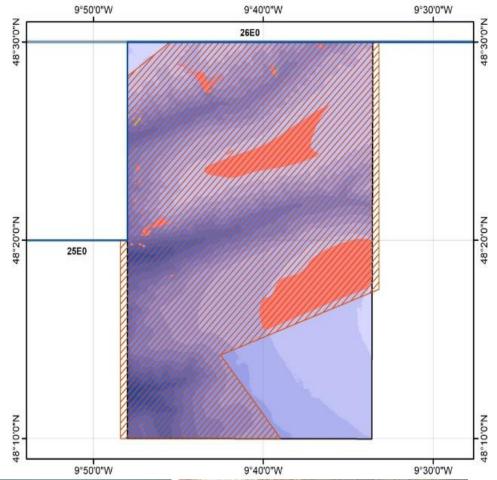


Sandbank and sandeels (left © JNCC/Cefas) dead man's fingers (centre © 1284714370 iStock) black-legged kittiwake (right © 1021650742 iStock)



The Canyons

- Drops from a depth of 100 m to the oceanic abyssal plain at 2,000 m
- Contains reefs of cold water corals *Lophelia pertusa* and Madrepora oculate
- Habitat for feather stars, sea pens, squat lobsters ٠
- Byelaw affects £1m/year landings mostly from trawlers and long liners.





https://jncc.gov.uk/our-work/the-canyons-mpa/

#CoastalFutures23 Livestream & London 25-26 January 2023







Marine Protected Areas (MPAs): From Paper to Protection

Dr Jean-Luc Solandt, Marine Conservation Society

UK MPAs: What, after all this time and effort, <u>is</u> an MPA?

25th & 26th January, 2023 Royal Geographical Society, London & online





What is an MPA?



Jean-Luc Solandt,

Principal Specialist, Marine Protected Areas

Marine Conservation Society





Marine Policy Volume 117, July 2020, 103864

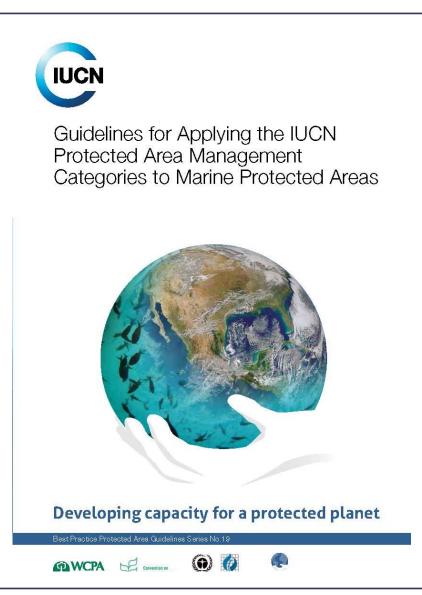


Emerging themes to support ambitious UK marine biodiversity conservation

Siân E. Rees ^a \nearrow \bowtie , Emma V. Sheehan ^a, Bryce D. Stewart ^b, Robert Clark ^c, Thomas Appleby ^d, Martin J. Attrill ^a, Peter J.S. Jones ^e, David Johnson ^f, Natasha Bradshaw ^d, Simon Pittman ^{a, g}, Jenny Oates ^h, Jean-Luc Solandt ⁱ

UK MPAs in IUCN terms

- 1. No damaging industrial activity
- 2. IUCN cat I VI
- 3. UK has:
- Fishing
- Ports (dredging, moorings, capital works)
- Aggregate extraction
- Energy infrastructure
- 4. What of our 30 by 30 target?
- 5. Where is the positive result?



Day et al (eds) (2019)

Barriers to progress

Overseas:

Philippines, Tanzania, India, Indonesia, Australia:

- Stop the fishing, its an HPMA in many sites.
- Communities deliver resilience.

UK:

- UK Maritime Heritage in national consciousness.
- We have a busy sea *before* MPAs were an idea.
- We come from a socio-political base requiring indepth arguments *for* MPAs that *stop / ban things*.
- Getting change in UK politics is hard.
- Getting change in environmental politics is harder. ...particularly in Thanet.





Zeitgeist MPAs

- Once it was all about biodiversity (since 1992)
- (nice to have)

- Now its all about carbon (since 2012)
- (need to have)
- In between its been all about 'features'.
- Ecosystem services & natural capital?
- Benefits to wider society?

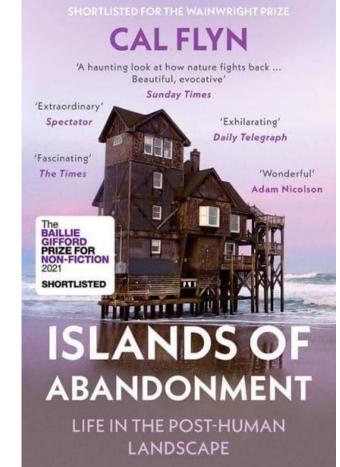


Hoegh Guldberg et al (eds) (2019

Recovery is what?

- Intervention and targets.
- Let the ocean re-wild.
- CBA of doing active intervention?
- Yes, inshore.
- Less scalable and relevant offshore.
- Opportunities within windfarms (license requirement)





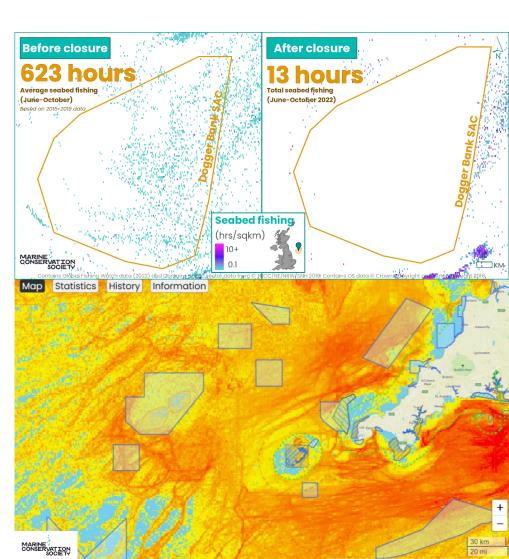
Notable (mostly fisheries) successes

- Fal and Helford:
- Port of Hull:
- Arran:
- Lyme Bay:
- Eddystone:
- Kingmere:
- Sussex IFCA:
- Dogger Bank:
- East of Haig Fras & Cape Bank:
- Full closure

Full closure

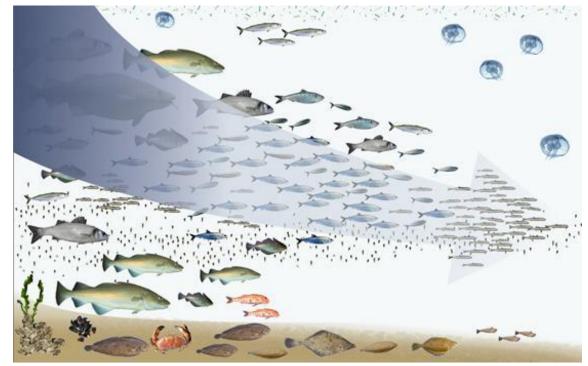
Stage 3 MPAs:

Rule of law on fishing and ports Wetlands mitigation Community effort and science Campaign, science and finance Collaboration & science Social science & community Natural capital approach



Are MPAs 'Hope Spots'

- Site-based wins / progress
- Science is feeding through to management policy
- Resilient civil service
- A recoverable ecosystem
- Promising offshore measures....
- Narrative on natural capital





So what are MPAs (for)?

- Features to ecosystems¹
- From *protection* to *recovery*
- Pragmatism and reality
- Wider seas (62%) must to learn from MPA management and *adapt to their needs*
- About people as much as wildlife (in needs, wants, aspirations)
- They demand narratives (for inspiration)



1: Read Impact Assessments for Sussex towed gear byelaw, and for pending Isles of Scilly towed gear byelaw

Thanks

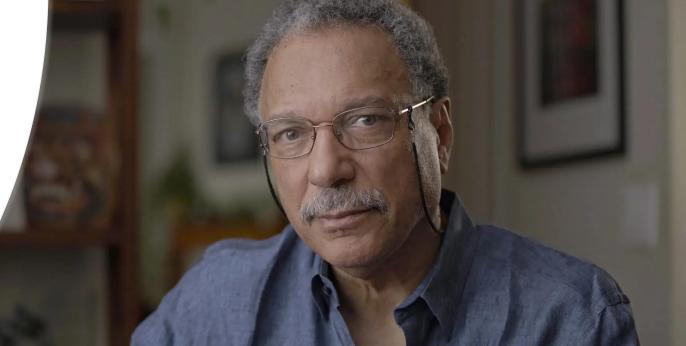
Christopher Hitchen:

Don't be afraid to be thought arrogant or selfish. Picture all experts as if they were mammals. Never be a spectator of unfairness or stupidity. Seek out argument and disputation for their own sake; the grave will supply plenty of time for silence.

Daniel Pauly:

An animal that is very abundant, before it becomes extinct becomes rare. So you don't lose abundant animals. You always lose rare animals. Therefore they're not perceived as a big loss.





#CoastalFutures23 Livestream & London 25-26 January 2023





Coastal Futures Conference 2023 PANEL DEBATE

MPAs: From Paper to Protection

How can governments and stakeholders be mobilised and motivated over the next decade to achieve real ocean protection?

CHAIR Sue Gubbay

Dr Simon Cripps, Wildlife Conservation Society Donal Griffin, Fair Seas Ireland Nick Greenwood, Marine Management Organisation Dr Jean-Luc Solandt, Marine Conservation Society



Headline and Reception Sponsors











www.slido.com

For online and in-person delegates

Enter code: 3390463

Headline and Reception Sponsors





Member of the SNC-Lavalin Group



Slido Poll

Q:

To what extent do you feel we have moved from 'paper' to protection through MPAs in the UK?

A: [scale]

- 1 = paper only
- 5 = halfway there
- **10 = protection in place**









#CoastalFutures23 Livestream & London 25-26 January 2023



Coastal Futures Conference London & livestream 25-26th January 2023 Keynote speakers

to Martin arona



Coastal Futures Conference London, 25-26th January 2023

Keynote: Hugo Tagholm

Oceana Executive Director



#CoastalFutures23

Campaigning for a Wild Ocean



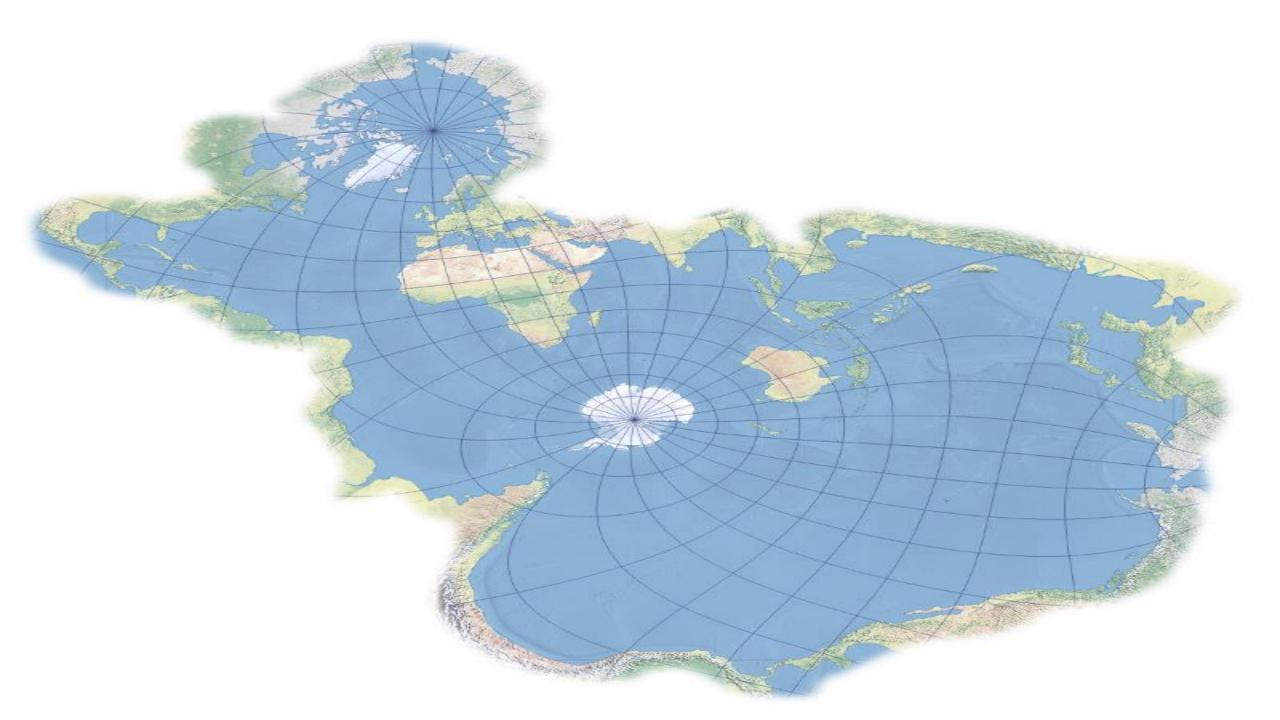
OCEANA IS DEDICATED TO PROTECTING AND RESTORING THE WORLD'S OCEANS ON A GLOBAL SCALE.











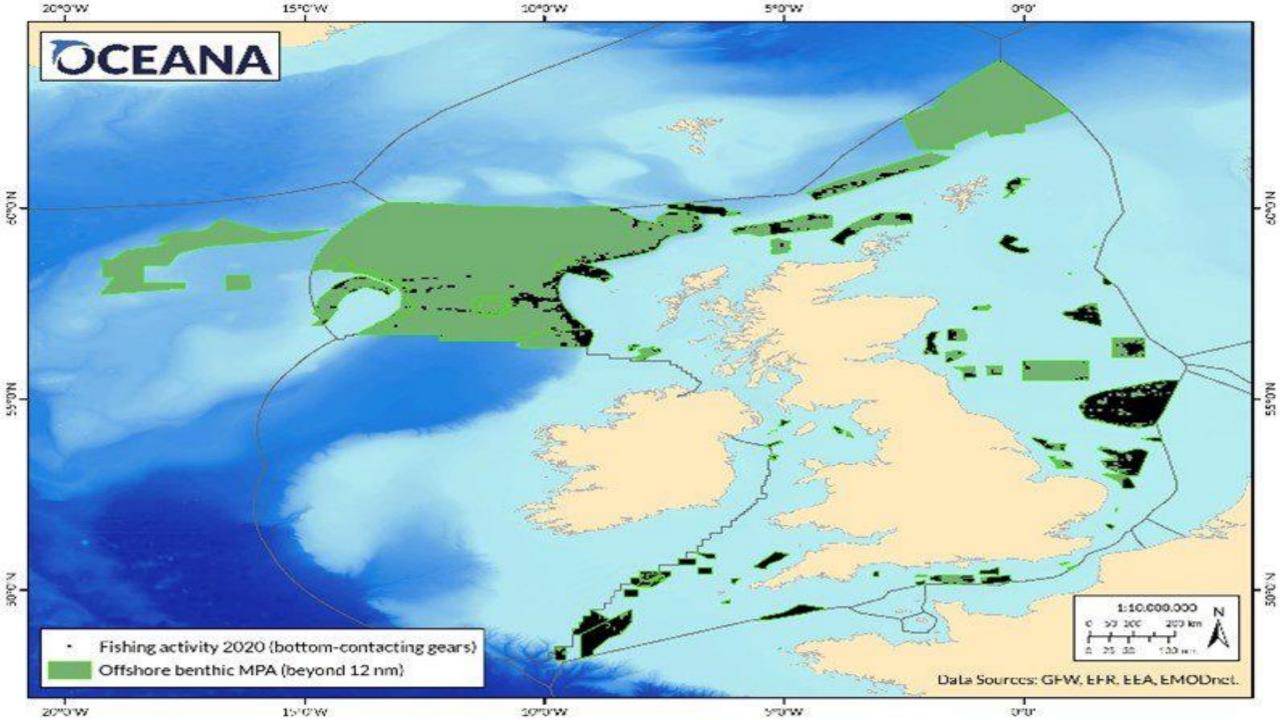
#ENDOVERFISHING







#BANBOTTOMTRAWLING

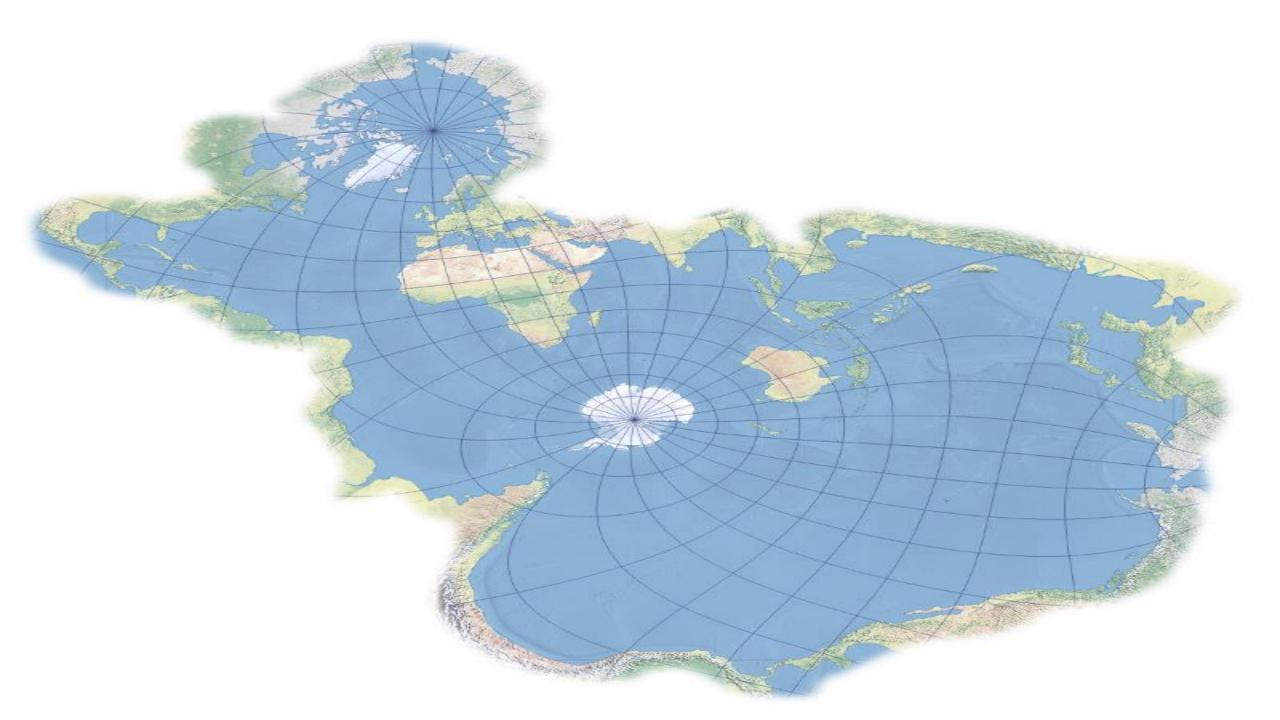




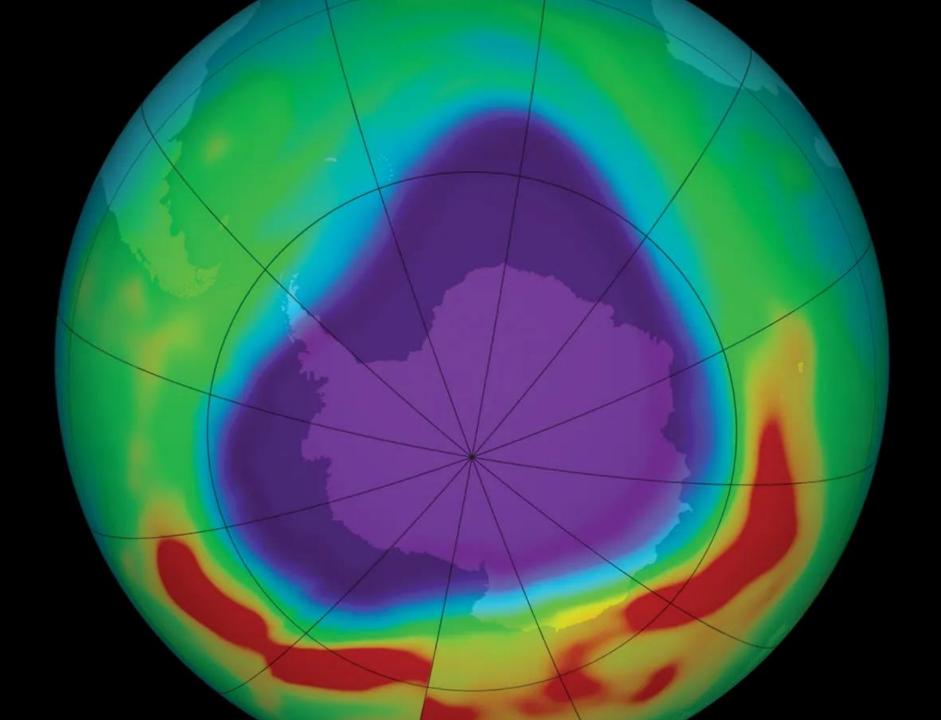


#ENDOFFSHOREDRILLING













#WILDOCEAN

#CoastalFutures23 Livestream & London 25-26 January 2023





Reflections The Next Decade

Bob Earll and Natasha Bradshaw

Reflection on thirty years of Coastal Futures and ambitions for the next decade

> CF23: Six Sessions Tackling the Climate Challenge Delivering Marine Restoration Governing for Communities Fisheries Management Balancing Act MPAs

30 Years!

Coastal Futures - Bob Earll

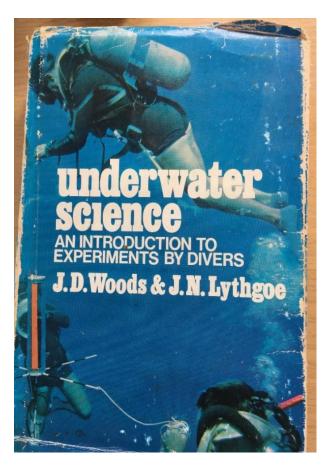
Inspiration 'Networking' The challenges Joy & Action

Photo: Alex Mustard





My inspiration – diving science – conferences



Woods & Lythgoe 1971

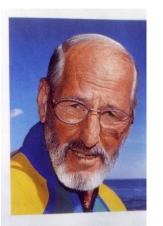


Shetland 1968 Operation Kelp ... David Bellamy – The first UK citizen science project for divers -50+ years ago

Underwater Conservation Year (1977) -> the Marine Conservation Society 1983 Bernard Eaton

Underwater – Then Marine Conservation Conferences 1979 – 1991

Organised by Bob Earll ... The biggest/only marine conservation conferences



oo late, pointing out that th

Coastal Futures Bringing people together – 140+ organisations – Networking

Reviews

The Future – exploring change & innovation

Strong perspectives

The Challenges

Developing policy, management & science

What has Coastal Futures Achieved?

Its always been there – for several generations ...

Lots of

Conversations

Attached meetings CoBA -> 3 C's - Championing, Coastal Co-ordination

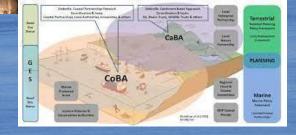
Project launches Joan Edwards & Sian Prior call for a Marine Act

Lots of ideas – opportunities – work - collaborations

Lots of relationships ...



Bridging the gap in the overlap through a Coastal Based Approach: CoBA



Changer in Indeletes Information of Taxana Analysis of TaxAnalysis and Analysis Information Annual Annua



Marine and Coastal Access Act 2009

2019 CRAPTS

A.2.1. In time generator is relation to matter functions and additions on intertion durating approximation and independent of the main persists of the site intermediate its the conditiones of intelligible countel withing structured of tights which interacts which and matter is the counter of the site interaction of the site interaction. While and matter is necessarily approximately and the site interaction of the intelligible site interaction of a site interaction of the site of the site interaction. In the latter persists of the site is a site of the site of the site interaction of the function of the site of the function of the latter on a site of the site of the

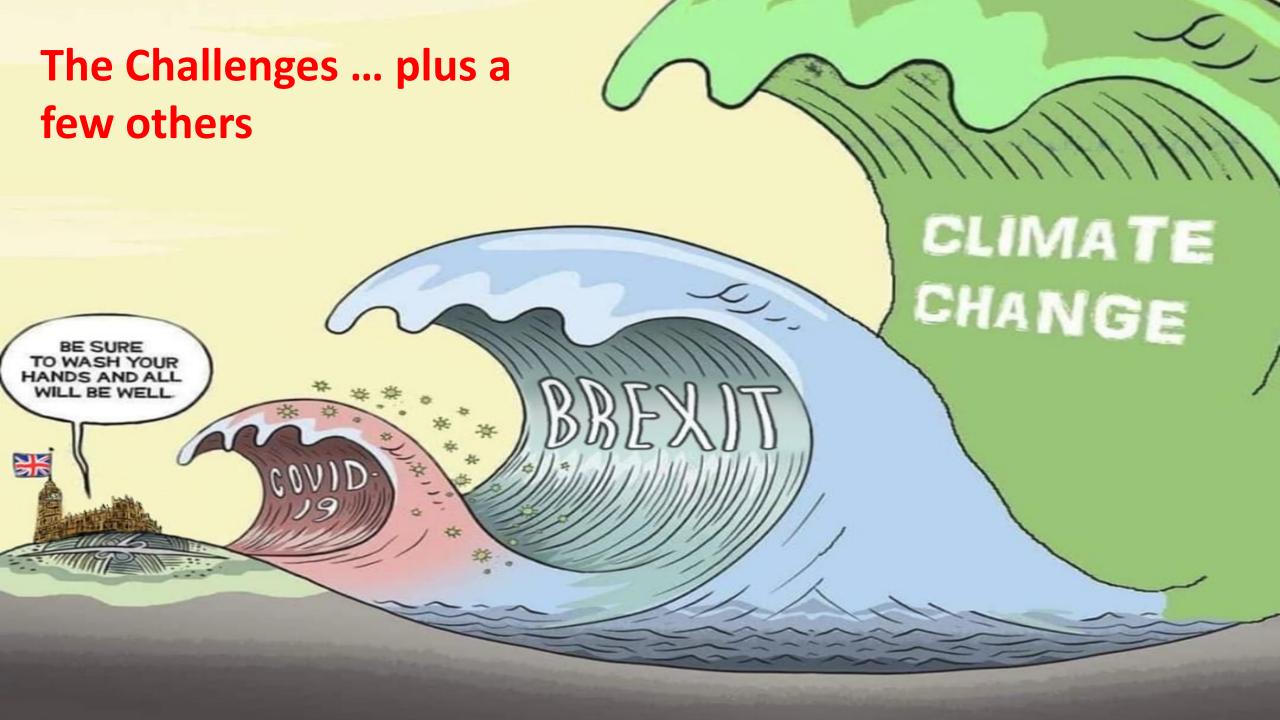
I see you want to be a see to be a set of the second respective and react the second s

Tennistien Mehlheiten vit, des eining kolt 19. de appenie perior 8 kil (2011 100 kils Ten Lander Tenisgreicht rechen)

Networking ...

Contraction of the

-



Don't despair Look for Opportunities and Joy



... and the oceans provide this



30 Year Anniversary

Ocean and Coastal Futures

Anniversary Film

By

Louis Hogan

...and a few Coastal Futures fans...



Our Ocean and Coastal Future for the Next Decade

The Next Decade

Ocean and Coastal Futures

'Bob Earll Award'

Launching January 2024





Thank You

Chairs, Facilitators and Speakers

RGS MWC Kensington Books Jayne O'Nions Diana Hunt Louis Hogan Matt Jarvis Delegates

for the Next Decade

#CoastalFutures23 25-26 January, London & livestream



Our Ocean and Coastal Future for the Next Decade