

Hi! 🖐️

**Welcome to the
Championing Coastal
Coordination (3Cs)
Workshop 1!**



Goals

Examine the likely impact of climate change on our coasts

Explore the current management of this impact

Explore potential adaptations to climate coasts

Build a strong & resilient group of stakeholders

Agenda

9.35am - 10.00 am | Let's get to know each other

10.00 am - 10.10am | Introduction

10.10 am - 11.30 am | Part 1

11.30 am - 1.00 pm | Lunch Break

12.30 pm - 1.00 pm | Chat Room

1.00 pm - 1.15 pm | Current data

1.15 pm - 1.55 pm | Part 2

1.55 pm - 2.00pm | End of session

Reminder

No idea is a bad idea

Leave space for everyone to contribute

Capture your exciting conversations

Have fun!



Ready? 👍

Let's get
started!



Step 1

**Tell us about
yourself!**



5 mins

Tell us about yourself!

Tell us a bit about yourself 🗨️ Simply copy & paste one of the sticky notes below and put in your answer for each question. Please make sure you are not using someone else's spot!

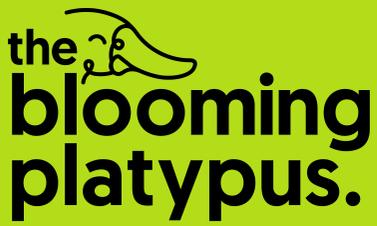
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What's your name?	Justine Carrion-Weiss	Zahra Ravenscroft	Nick Brodin	Heather Bell		Suzanna Taylor	Charlie Richardson	Heather Sugden	Joe Richards	Claire Barrett-Mold	Blánaid Denman	Ceri Gibson	Anna Gerring	Alison Debney	Brian Weatherall	Niall Benson	Clare Rawcliffe	Ralf Bublitz	Dorinda Kealoha	Clare McCarty		Alex Aitken	Stephen Brend	Tom Stephenson	Lucy Stainthorpe	Hannah Westoby	Stephen Marley	Anthony Hook	Rob Collins		Hellen Hornby	Bex Lynam	Quinn Hill - sorry had to leave but back this afternoon	Martin Kitching	Karen Daghish	Steve Lowe									
What's your title / job position?	Innovation Statigist	Project Manager - Coastal	Partnership Officer	GIS Analyst		Assistant Biologist	Innovation Strategist	Lecturer	Project Manager	Environmental Project Manager	Senior Conservation Officer	CEO	Regional Development Manager (Head of International Trade & Customer Partnership)	Conservation Lead	Drainage and Coastal Protection Manager	Heritage Coast Officer	Senior ecologist	Environmental and Scientific Officer	Interital Interactive Officer	Marine Planner (North East)		Environmental Officer	Project Officer	Ecologist	Marine Lead Adviser	Senior Marine Monitoring Officer	Nature conservation adviser		Policy & Science		Programme Development Manager	Marine Advocacy Officer	Tees Catchment Coordinator	Project Coordinator	Seascapes Delivery Manager	Project Director									
What organisation do you work for?	The Blooming Platypus	Environment Agency	Renkstone and Northumberland Marine Nature Partnership	The Rivers Trust		Tweed Foundation	The Blooming Platypus	Newcastle University	Blue Marine Foundation	Environment Agency	RSPB	Tyne Rivers Trust	The Rivers Trust	ZSL	Durham County Council	Durham Heritage Coast Partnership	South Tyneside Council	NEIFCA	Durham Wildlife Trust	Marine Management Organisation		Northumberland FCA	Wild Oysters Project	Hartlepool Borough Council	Natural England	Environment Agency	National Trust	Environment Agency	The Rivers Trust		Groundwork North East and Cumbria	North Sea Wildlife Trusts	Environment Agency	MARINER/North East Celtaean Project	SeaScapes Partnership	Northumberland Rivers Trust & also on NRCA									
Why is climate change important in your opinion ?	because we have to protect our beautiful planet	time is running out for action	Because time is running out if we don't act soon the worst impacts	nature is valuable		its and all organisms depend on each other and the complexity of the system is what makes it so resilient	If we aren't the right future we create the biggest problems	We have the opportunity to make a difference, we should!	We are seeing the effects of it now	We need to make big changes to how we do things now	it seems really everything will be affected and it will be a disaster	It is happening now. We need to act now	We need to adapt now to safeguard future generations	It effects all of us, everyday.	the impacts of extreme weather	So big an issue	Essential Threat for many habitats & species - including us!	It will affect everyone and everything	Why is climate change important in your opinion ?	I will have devastating impacts on wildlife and people	With ongoing impacts (on everyone and everything)		One of the biggest challenges facing us today	Urgent	Will effect all aspects of day to day life	Why is climate change important in your opinion ?	For the future	We have opportunity to change our future, but are running out of time	Impact on habitats, species and property	Will affect all of us and future generations	Impact on livelihoods		Why is climate change important in your opinion ?	It will affect us all in ways we probably can't imagine	Will affect all of us and future generations	It will change everything	the butterfly effect	It is of our making	I am watching ecology crumble	Why is climate change important in your opinion ?					
How do you feel about today?	excited	hopeful	nervous :)	curious		Nervous but excited	Looking forward to working with you all!	Optimistic for the future	Intrigued and hopeful	Interested and curious	Interested to hear everyone's thoughts and helpful for action	Hopeful in making greater contributions for informed action	Excited to learn and make new connections	Excited to be part of something new and to be able to create ideas	Interested in new ideas	Excited and intrigued	Looking forward to sharing ideas	curious	How do you feel about today?	Excited!	Curious, interested, excited to hear from so many different people		Interested and excited (even exciting people around)		Interested	How do you feel about today?	Optimistic	Looking forward to learning and starting change	interested		Mixed, I can only part make the call		How do you feel about today?	Optimistic - humans have huge ingenuity and capacity if we apply ourselves	Curious/op timistic	Change is happening in the background, we're waiting, we're not doing anything, we're not doing anything	The weather's lovely and I'm stuck in my office	Fantastic expertise - surely we can do something!	Frustrated	How do you feel about today?					



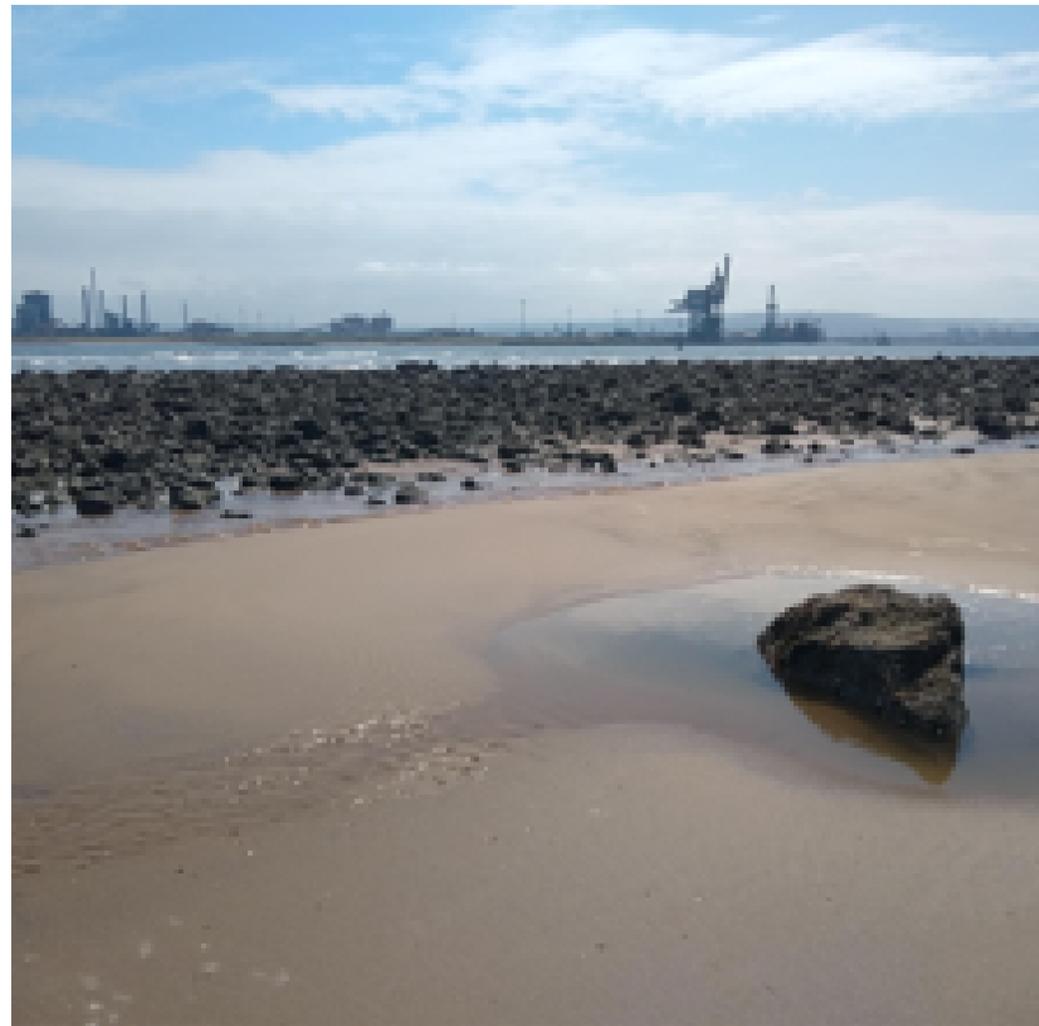
**Now, let's share back
with the rest of the
group!**



20 mins



Championing Coastal Partnerships



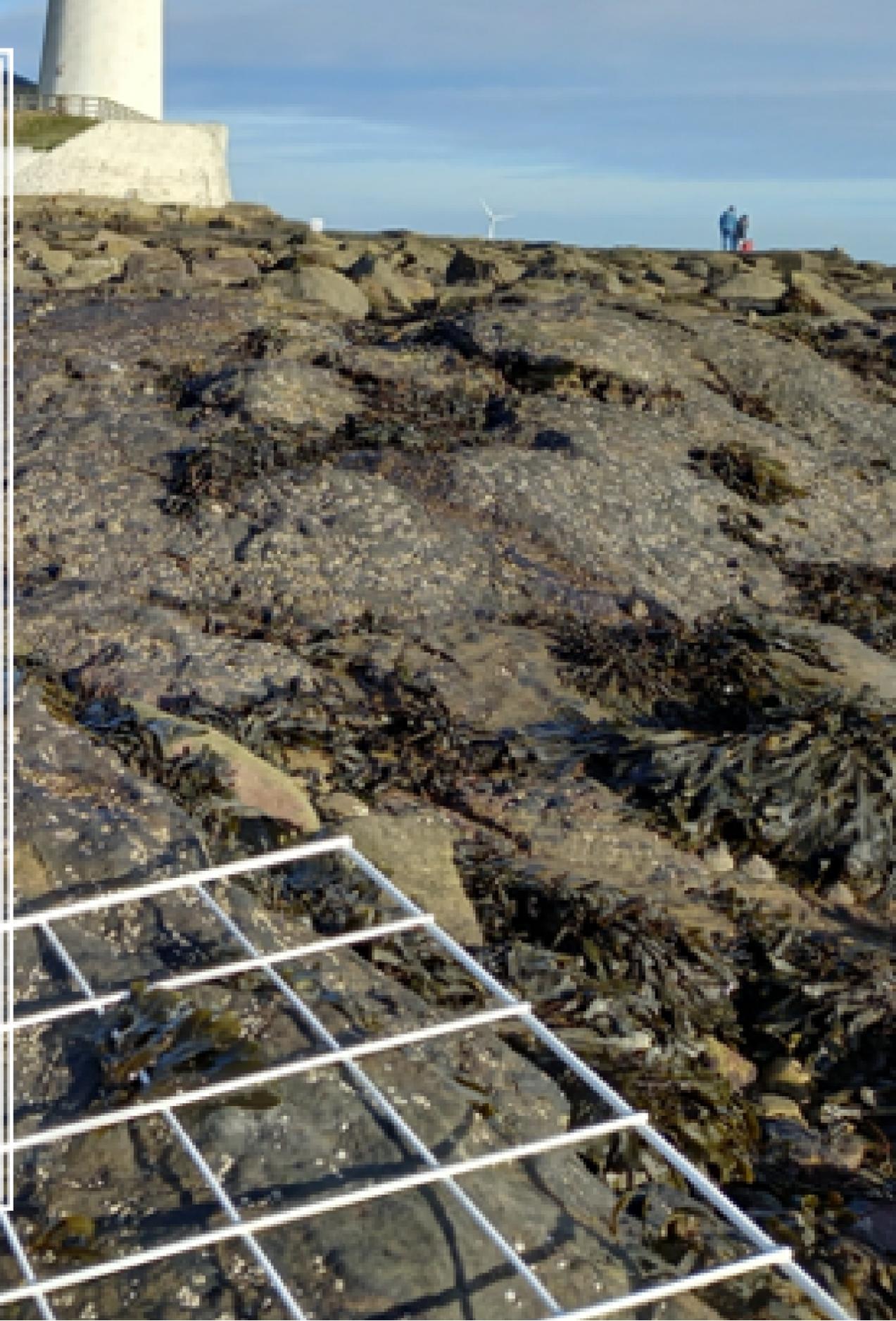
3Cs North East Coastal Network

Natural Environment and Fisheries Workshop

10th February 2022

Lets of evidence about current and potential climate change impacts

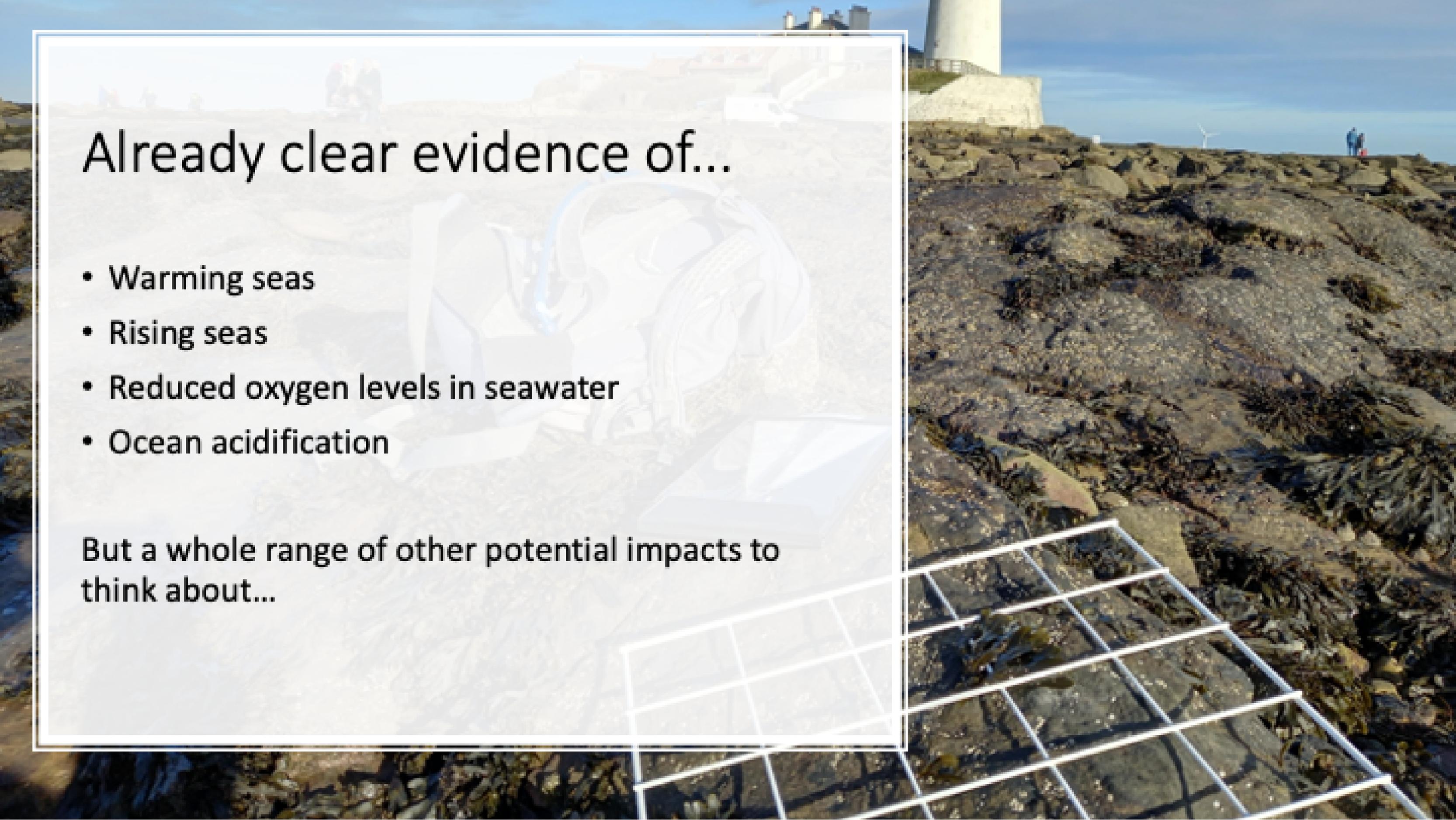
- Marine Climate Change Impacts Partnership (MCCIP) www.mccip.org.uk
- Dynamic Coast (Scotland) www.dynamiccoast.com
- UK Climate Change Risk assessment 2022 www.gov.uk/government/publications/uk-climate-change-risk-assessment-2022



Already clear evidence of...

- Warming seas
- Rising seas
- Reduced oxygen levels in seawater
- Ocean acidification

But a whole range of other potential impacts to think about...



Physical Environment

- Increased frequency of extreme weather events
- Patterns and intensity of rainfall
- Changes to rates of erosion/accretion
- Increased storminess
- Water temperature and chemistry
 - Ocean acidification
 - Salinity
 - Ocean heatwaves
 - Diffuse pollution/siltation
- Sea-level rises

Ecology

Species distribution

- Phrenology
- Food webs
- Migration patterns
- Invasive Non-Native Species (INNS)
- Commercial fish species



Ecology

Changes to the extent and condition of habitats

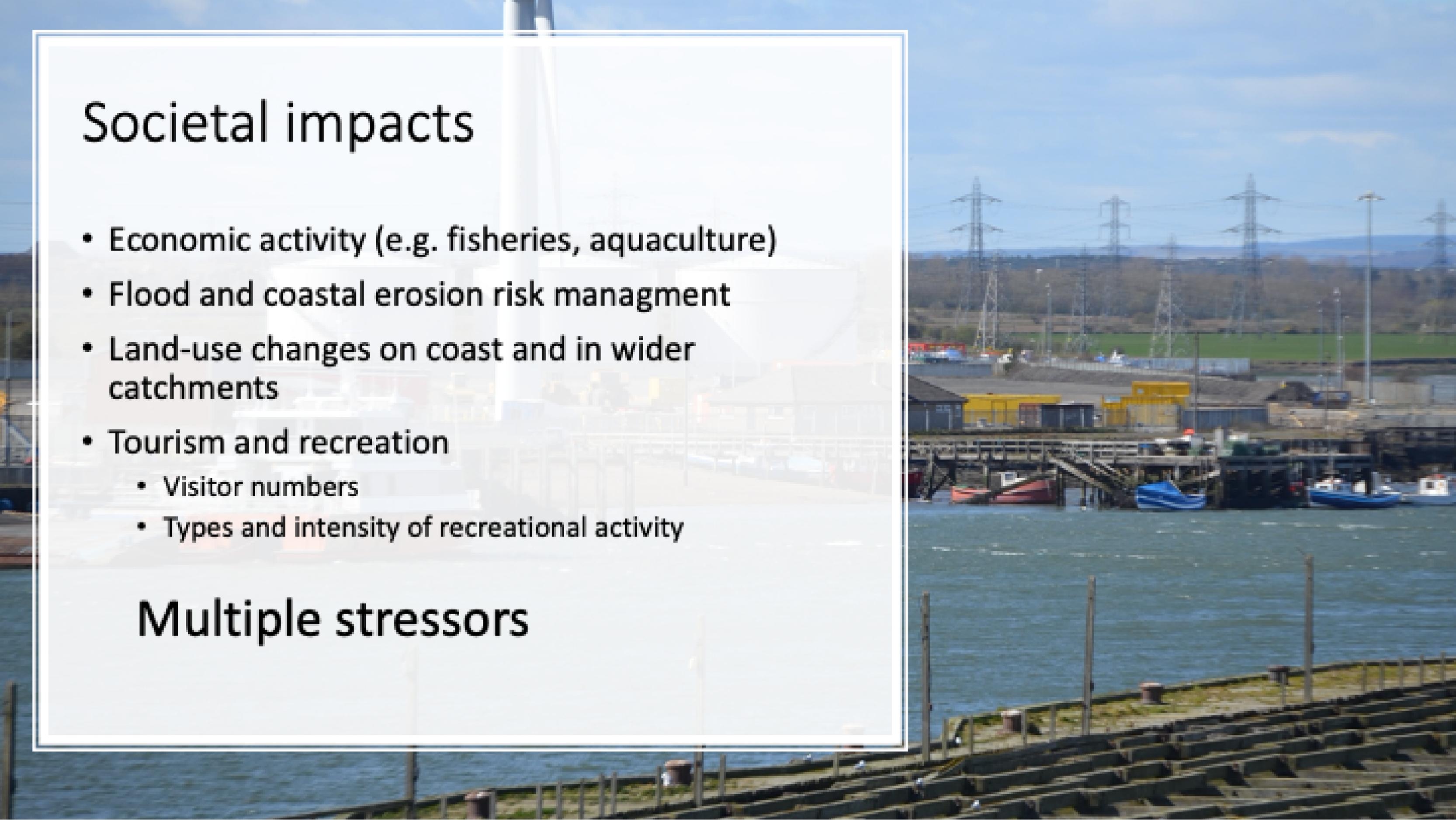
- Loss/gains in extent of habitats
 - Loss of intertidal habitats
 - Coastal Squeeze
- Changes in species mix/community structure
- Changes in hydrology



Societal impacts

- Economic activity (e.g. fisheries, aquaculture)
- Flood and coastal erosion risk management
- Land-use changes on coast and in wider catchments
- Tourism and recreation
 - Visitor numbers
 - Types and intensity of recreational activity

Multiple stressors



3 themes - 4 breakout rooms

Habitat & Species - Coastal & Intertidal

Team 1 - Zahra Ravenscroft

Team 2 - Niall Benson

Habitat & Species - Subtidal

Team 3 - Heather Sugden

Protected Wildlife Areas

Team 4 - Nick Brodin



**How might we
address challenges
resulting from
climate change?**



Step 1 - Reflection

How is your
organisation/partnership
/consortium currently
addressing issues
resulting from climate
change?



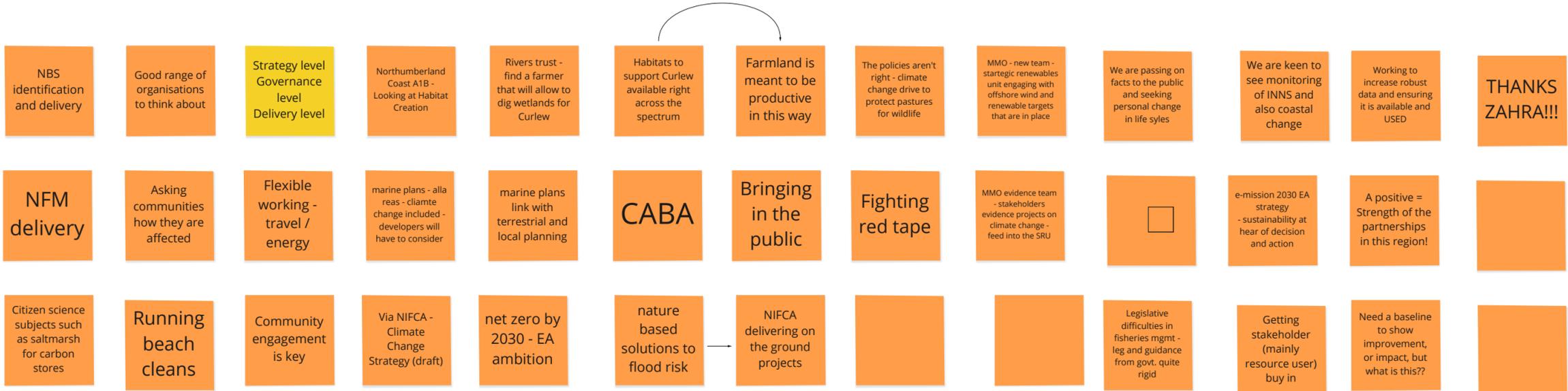
15 mins



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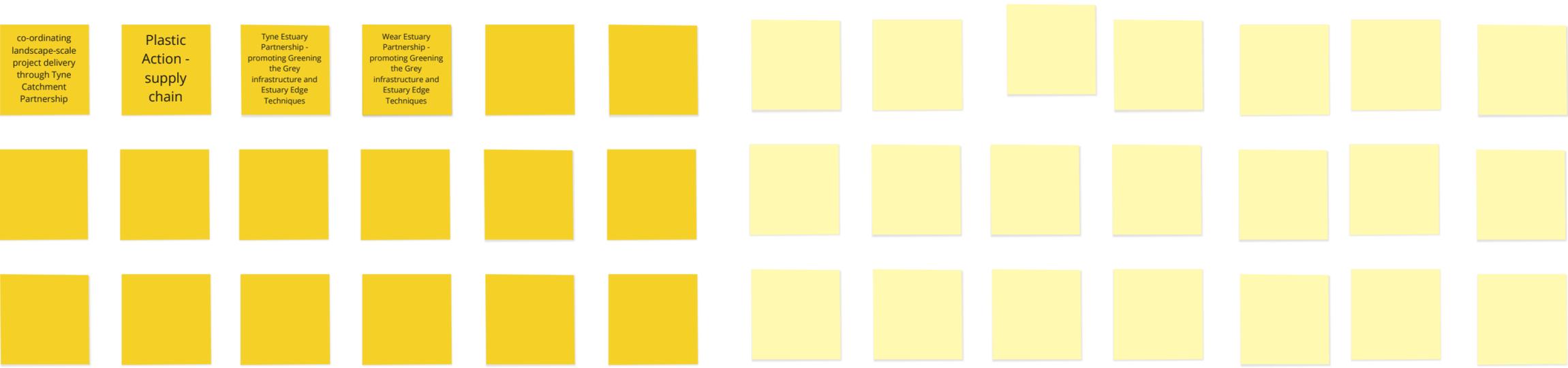
How is your organisation/partnership /consortium currently addressing issues resulting from climate change?

Organisations



Partnerships

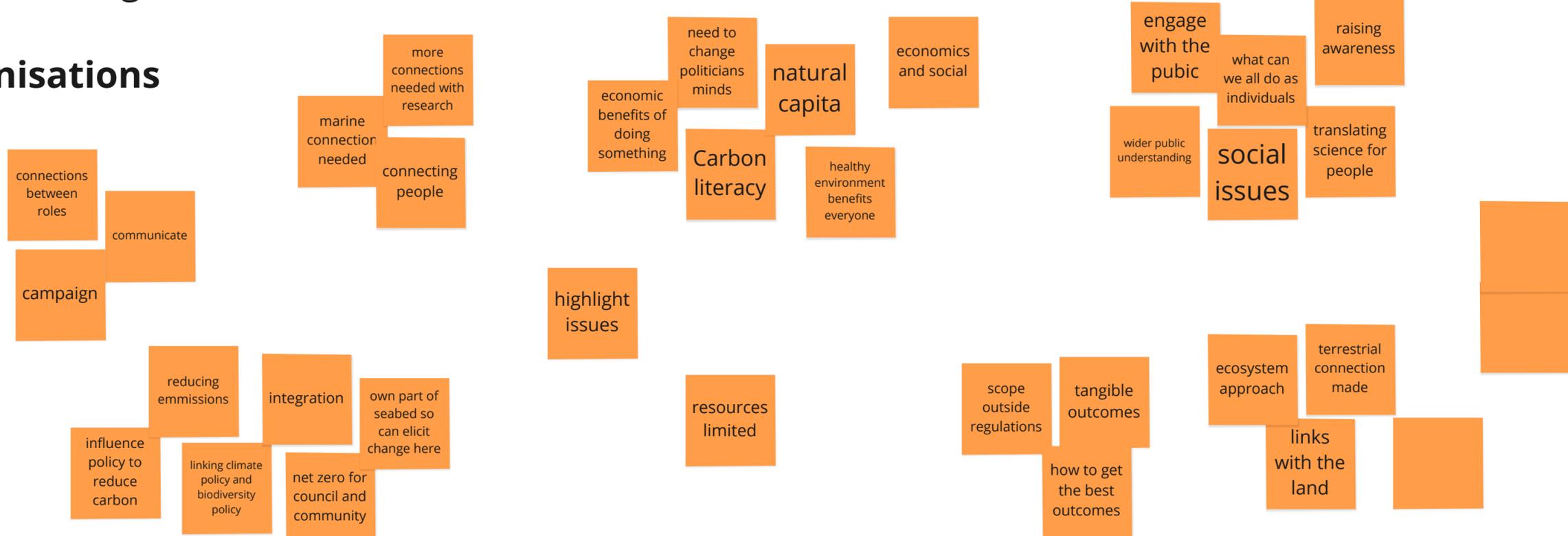
Consortium



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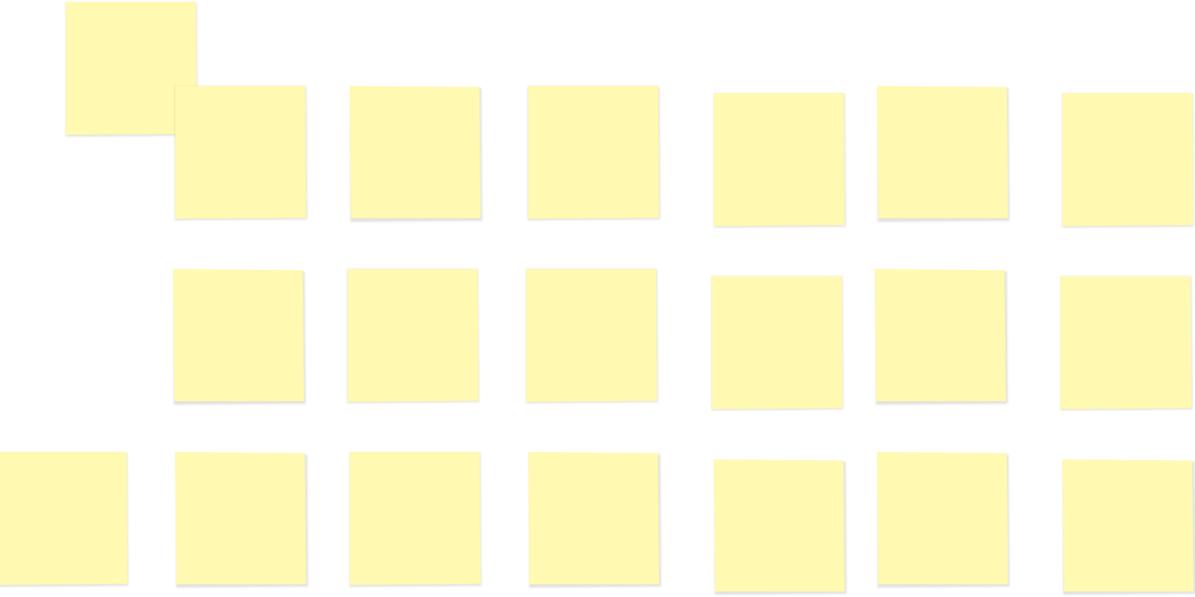
Organisations



Partnerships



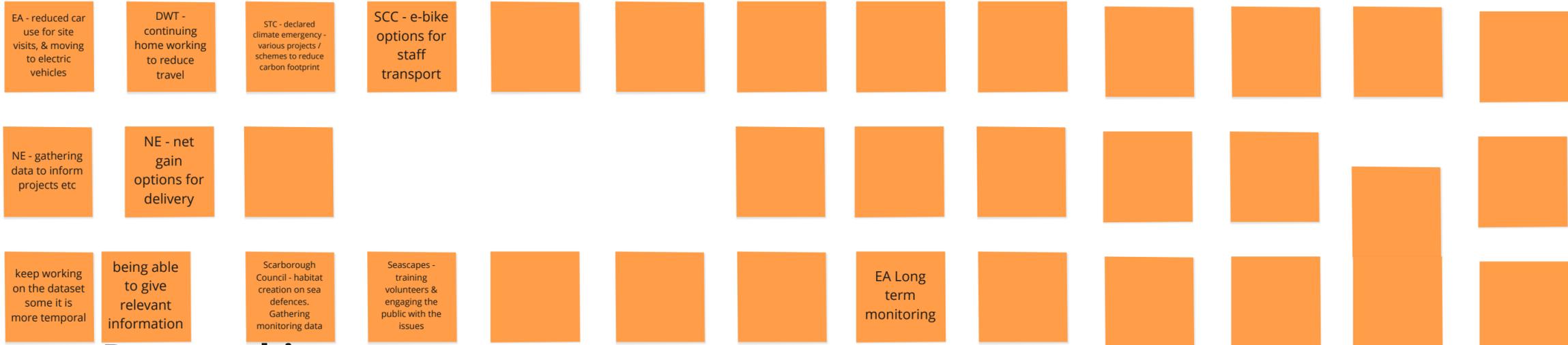
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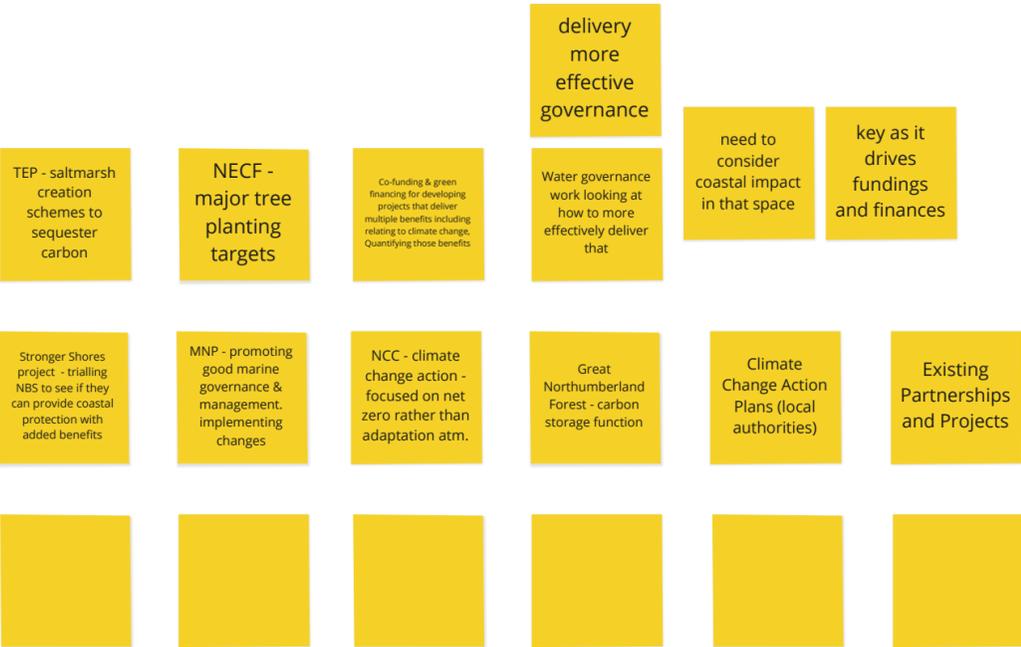
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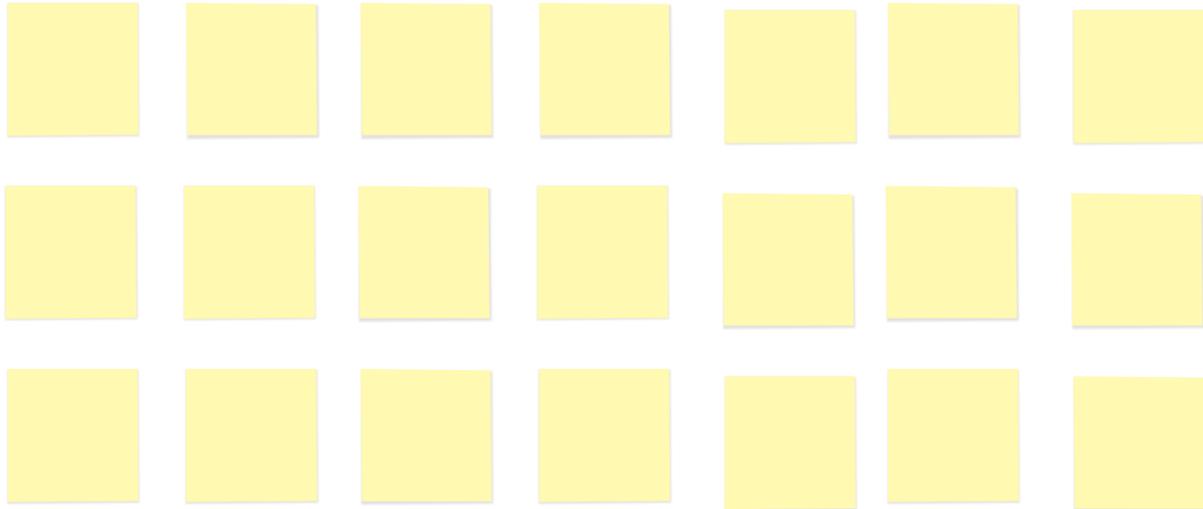
Organisations



Partnerships



Consortium



Step 2 - Ideation

What do successful adaptations to climate change look like?

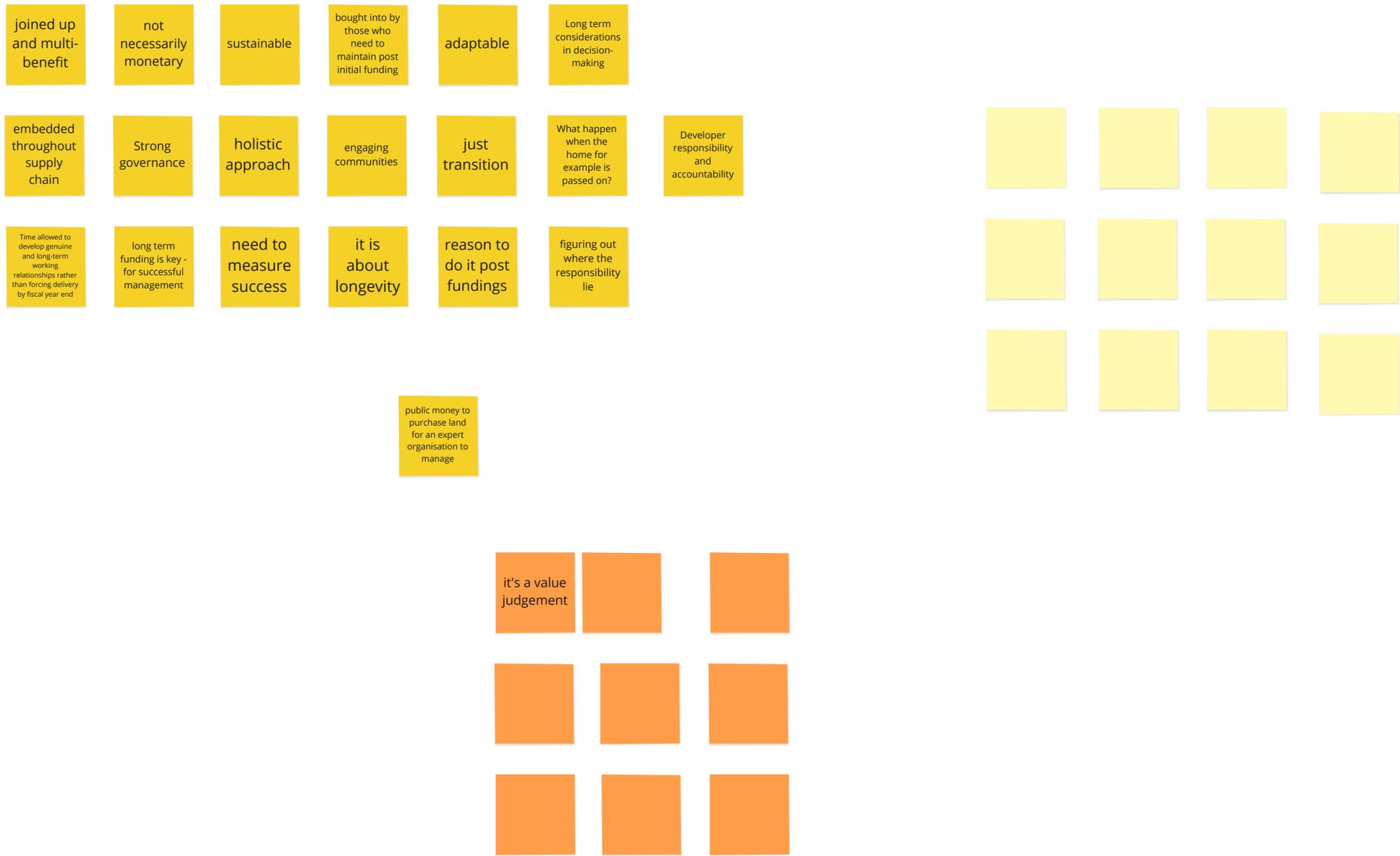


10 mins



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What does a successful adaptation to climate change look like?



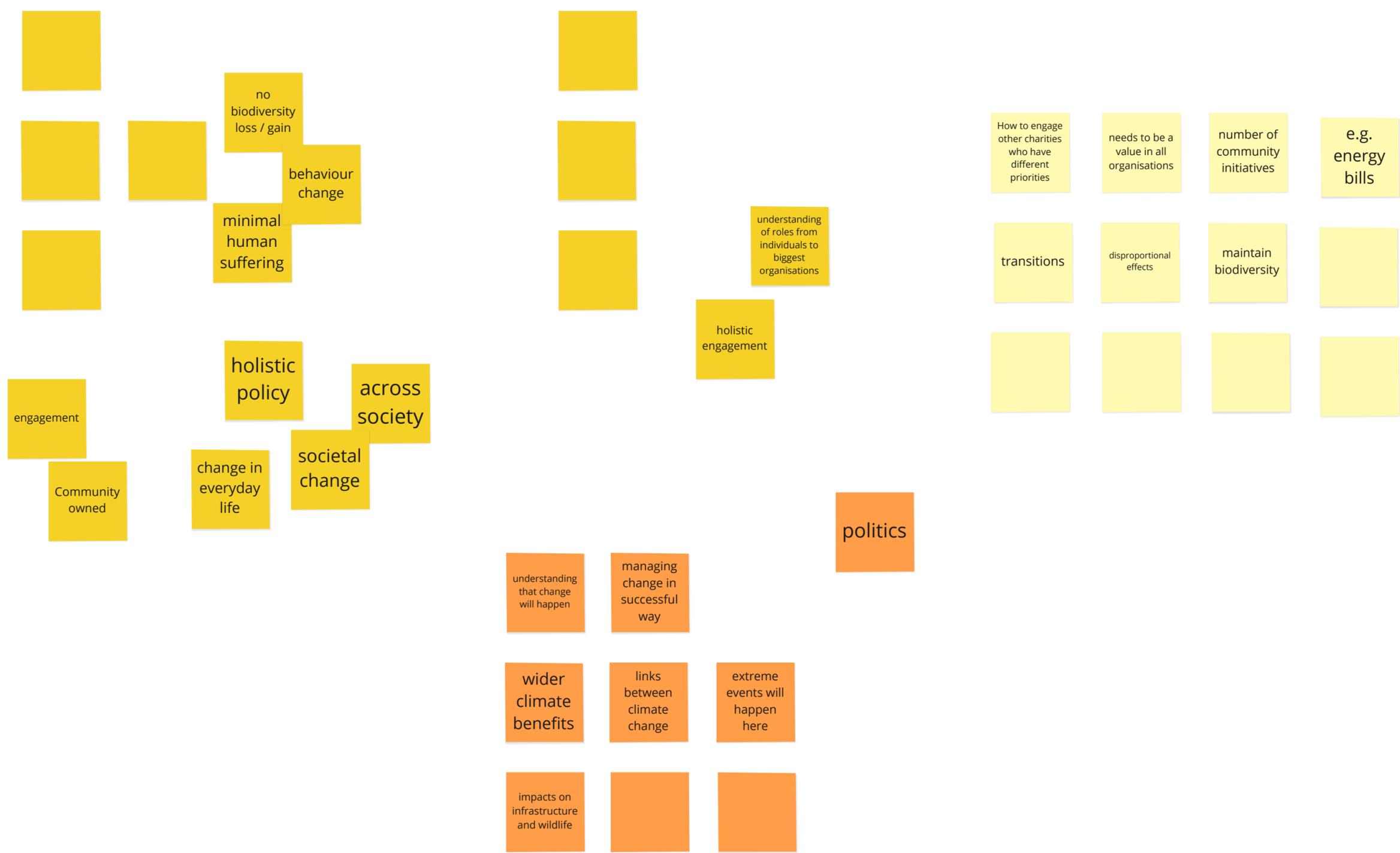
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What does a successful adaptation to climate change look like?



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What does a successful adaptation to climate change look like?



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What does a successful adaptation to climate change look like?

Space for roll back of the Durham Coast SAC - trying to ensure the habitats behind the designation are suitable to become the SAC	Remove / reduce pressures on habitats to allow adaptation to be more successful	Continual condition monitoring assessments & promote knowledge sharing	Need coherent networks of sites - can't look at things in isolation. E.g. tern colonies may need to move so to ensure those alternatives are adequately managed.	Succession planning for moving / lost habitats and species - they may move between sites managed by different organisations so joint working is key	
Habitat creation schemes such as kelp / seagrass / oyster bed establishment to promote / help with adaptation to climate changes (Stronger shores)	Larger sea grass habitat - increase habitat areas of protection	lead by example / share good practise & experience globally	Nature Based Solutions - add vertipools to create new intertidal niches - floating ecosystems etc		
There is space and ecosystem processes in place to allow habitats and species of interest are able to move dynamically	Restore what habitats we do have	Conservation Objectives for sites are in place which allow for changing distribution and extent of important features	Management of the sea and coast is integrated with management within wider catchments/terrestrial areas	People understand what are protected areas are protecting and support the necessary management activities	Sites are managed as a network rather than for individual features

Sharing good practice and experience			
Taking advantage of innovations			



Step 3 - Reflection

What is currently in place to help you achieve this vision?

What is currently getting in your way of achieving it?

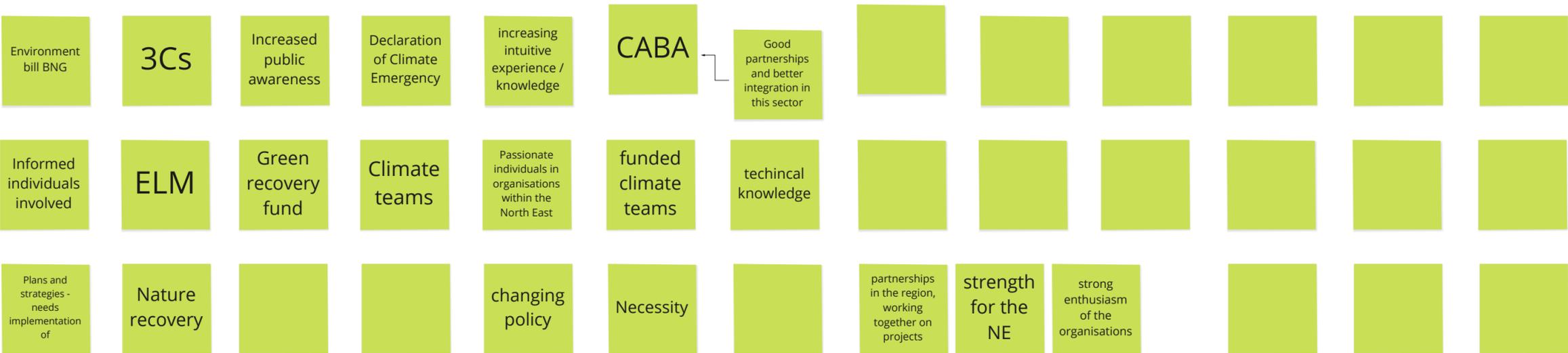


5 mins



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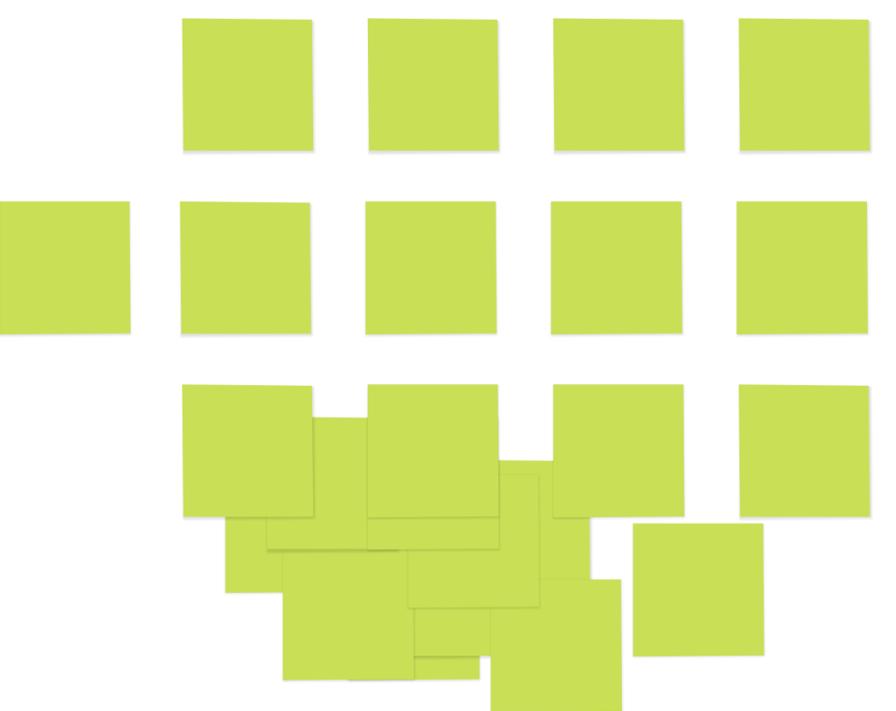
increased public awareness and media spotlight	Meetings like this one! Being able to share knowledge and make connections across the country	passionate and driven people working in the nature conservation sector	Good partnerships B&NMNP	increasing collaboration and recognition of the need to work together								
			depth of public awareness									

Resource	Data gaps in coastal nature based solutions under a changing climate.	Resource and political support	Acting on public awareness - no action to follow up	Conflicting needs - renewable energy - are they in the right places what are the impacts on habitats - difficult balance	Speed of action of lack of - very slow							
Skills & tools ?	Pace	Climate anxiety / fatigue / burnout - sense of hopelessness	Ineffective marine protected areas - protected in name only!	conflicts of interests and conflicting needs	Global factors outwith local control	Brexit anti-red tape agenda cutting environmental protections						
				Balance between time resources, money - what can they do with this.								

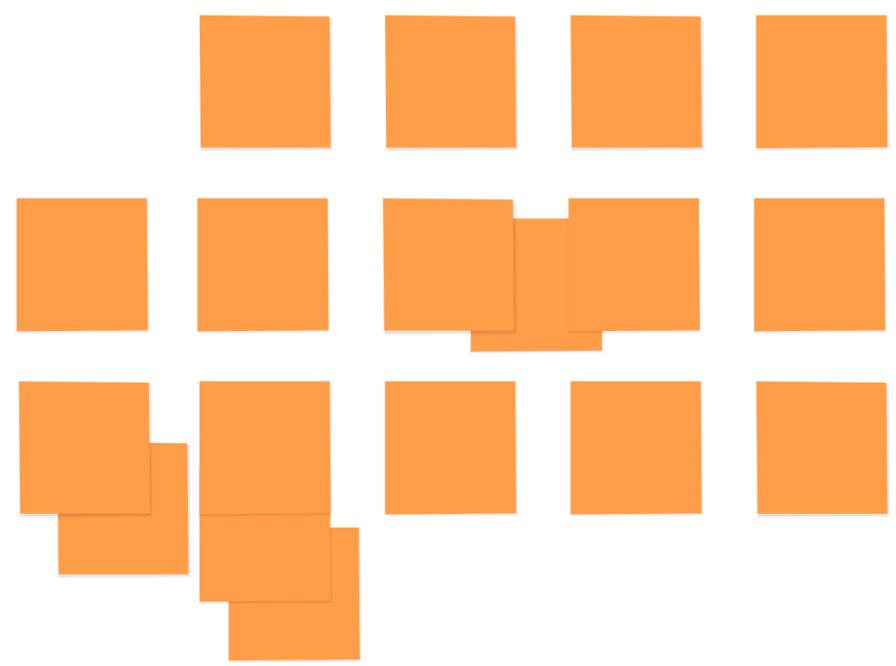
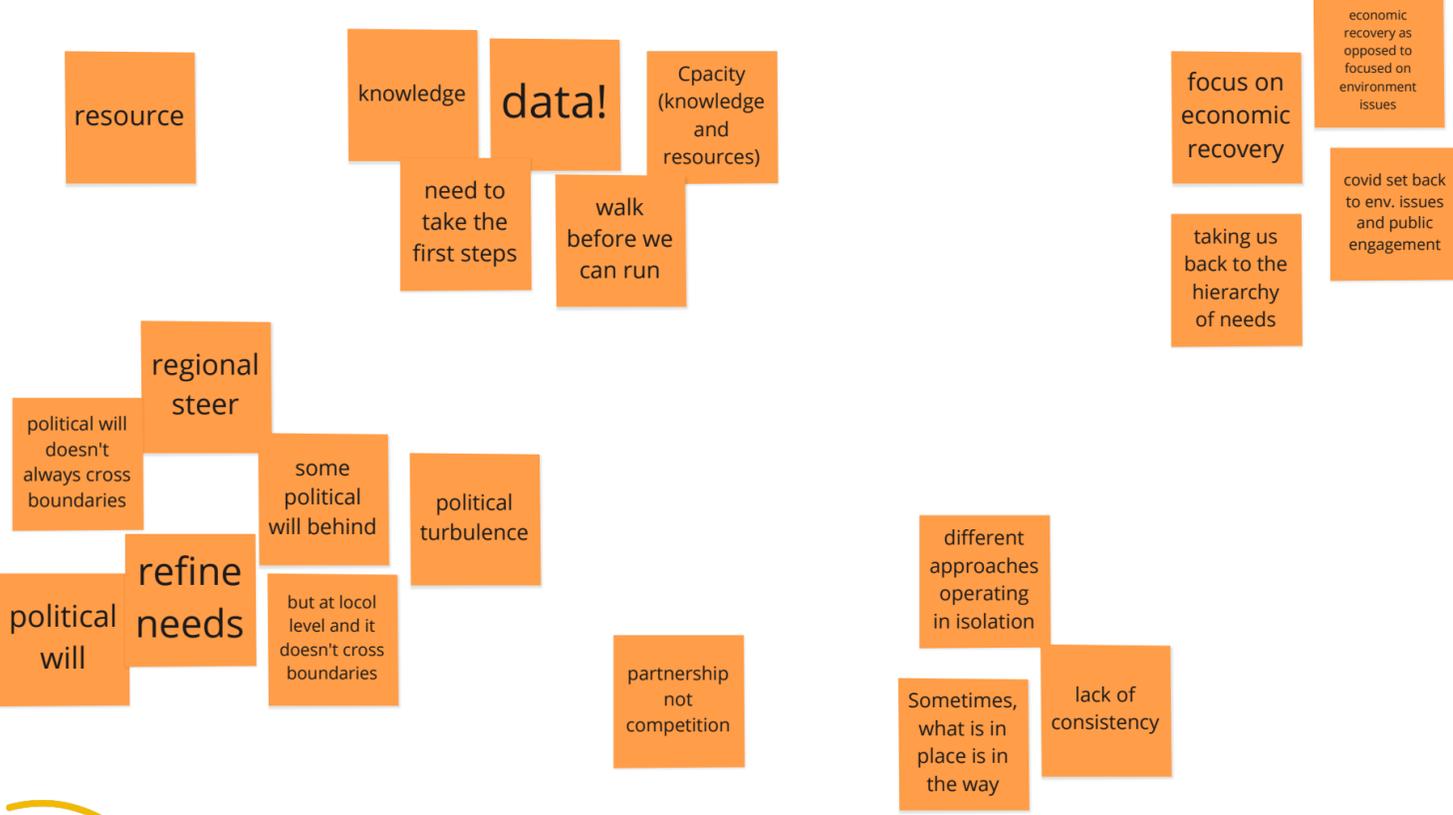


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What is currently getting in your way of achieving it?



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What is currently in place to help you achieve this vision?

Existing partnerships and collaborations of like minded people	New projects being developed (Stronger Shores)	Habitat monitoring and restoration along the coast	Training new volunteers to survey climate change indicator and INNS species on a variety of habitats	Good communication between organisations on the NE coast	existing coastal partnerships	Existing data/research	Some relevant funding schemes - i.e. FCERM	more co-funding / green funding / finance opportunities are being developed that can funnel more investment into this				
European Sites - mitigation strategy funded by developer contributions (STC)	Local concern and interest	Linking in with other existing projects, join up, and more for money, and more actions achieved	Successful working with partners - joined up working - helps us all achieve more, with less resource	What is in place: partnership working: funding for habitat creation; organisation-level targets to reduce carbon		Existing partnerships						
More funding options available	Emerging policies					people's drive						

What is currently getting in your way of achieving it?

Not always enough join up - needs a systems thinking approach	Not enough resources - time/money/people	do we need a shared vision all organisations can sign up to? does this exist somewhere already?	There a lot of barriers to long term monitoring - main one being cuts to funding from government	Good reliable cost-effective evidence of changes and monitoring of the work that is being undertaken, is it possible to infer cause and effect??	more standardised / recognised approaches that enable greater co-funding / finance investment would be helpful to drive investment	Funding	Red tape	Conflicts of opinions	Space and sites to utilise			
Conflicting land use pressures - focus on tourism & economic benefits potentially at the expense of climate / biodiversity	Only a few people will change voluntarily - policy & regulation will be needed for large meaningful change	Barriers: even though small steps can help, it is a global issue; we still live in a very car-centric society; competing pressures	Not owning the land on my stretch of coastline, make it difficult to manage.	Lack of public understanding about marine habitats and species and of the value of their local sea		Time/resource						
Feature-based approach to designation often hinders managing sites as part of dynamic ecosystems	Lots of restoration activity happening (which is brilliant) but this needs to be more strategic and better coordinated	Not enough site monitoring making it difficult to see if site management is working	Climate Change is often seen as only being about Net Zero and not about adaptation/mitigation, which is reflected in bodies such as the North East Climate Change Coalition and local Climate Change Action Plans.			Other people's priorities						



Step 4

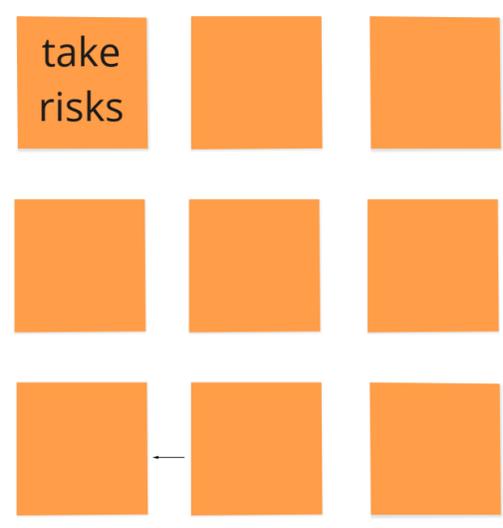
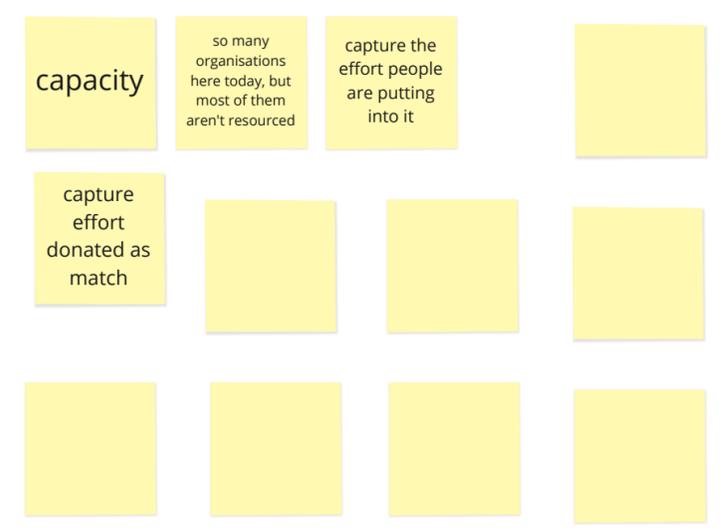
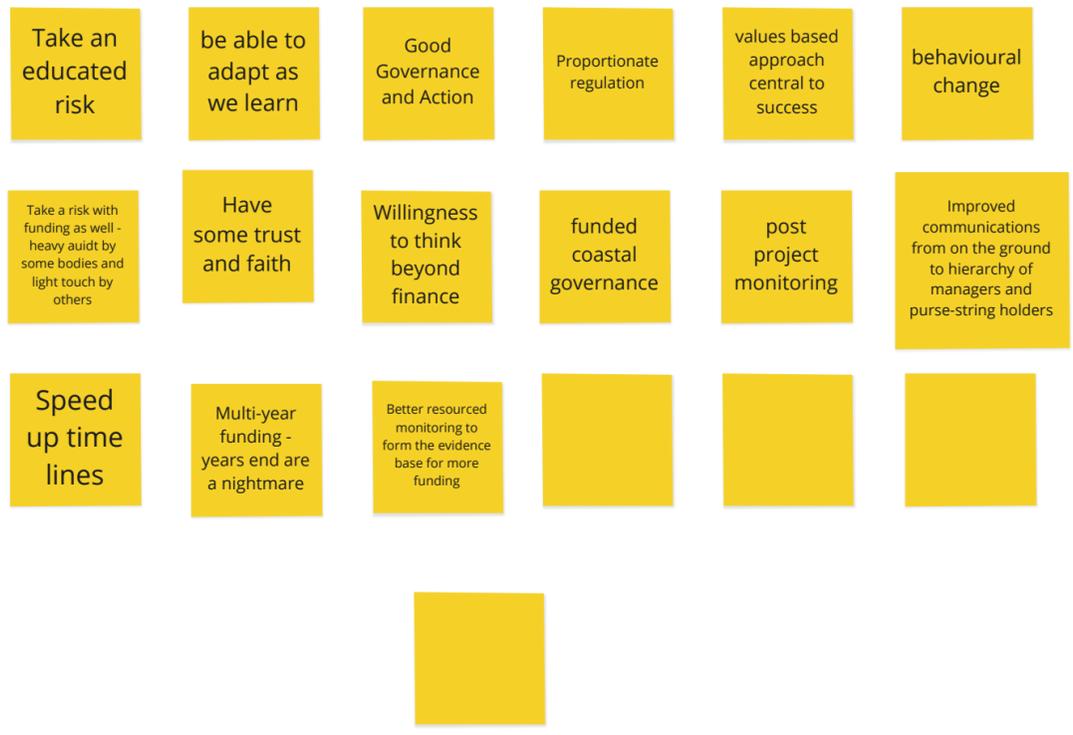
What needs to be done differently to achieve this vision?



15 mins

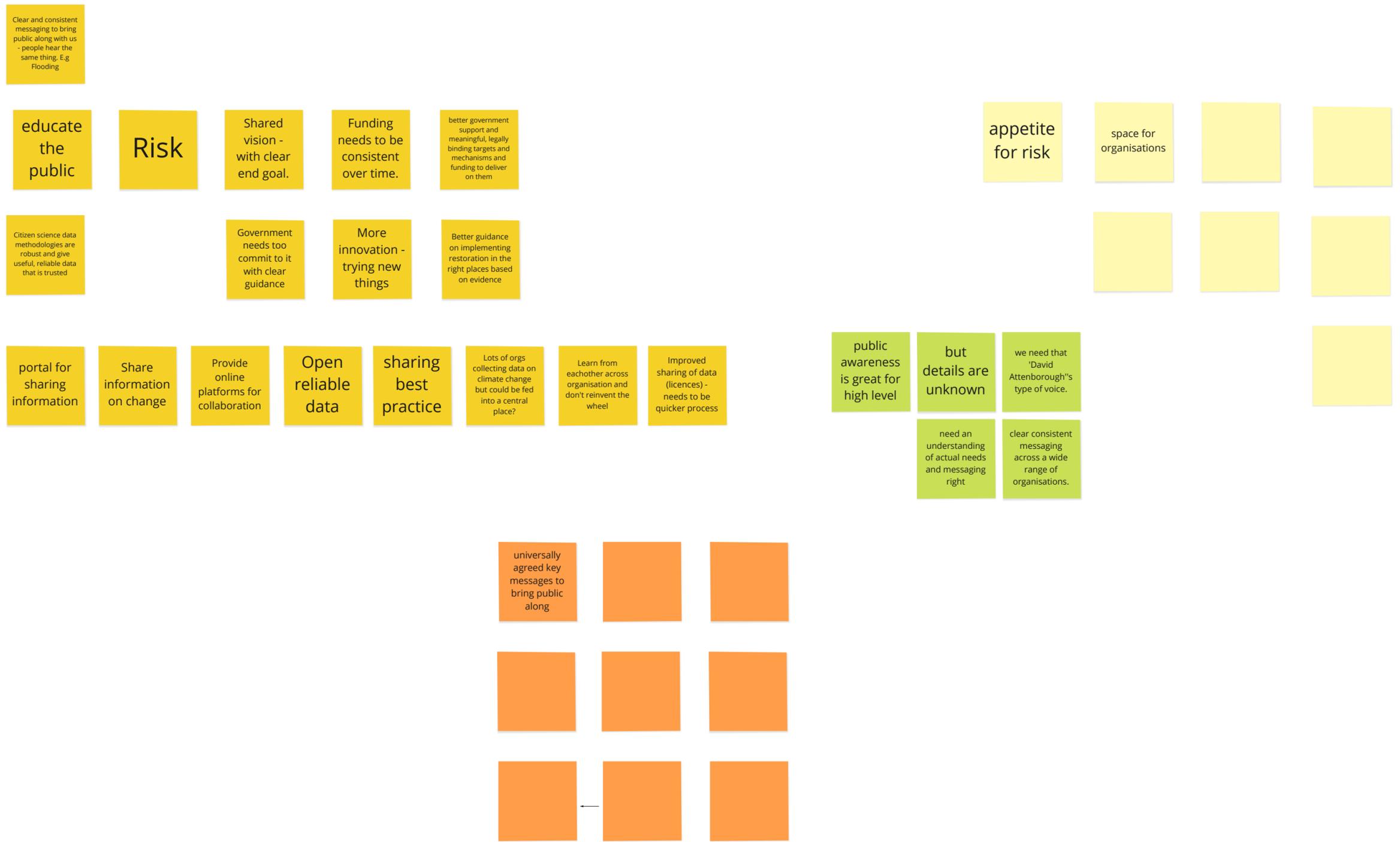
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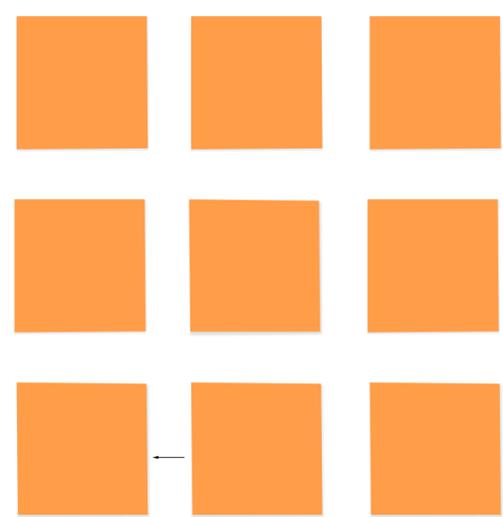
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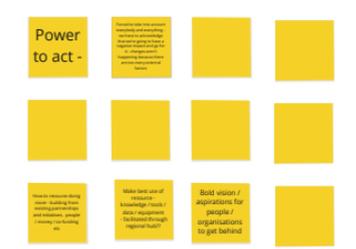
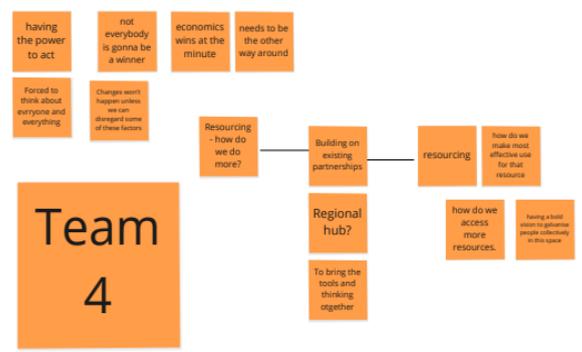
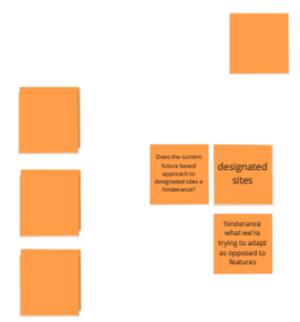
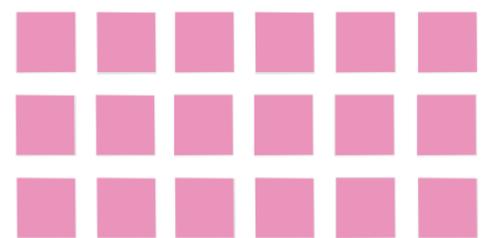
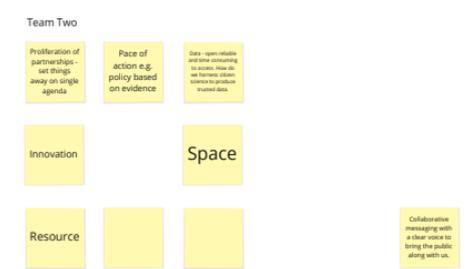
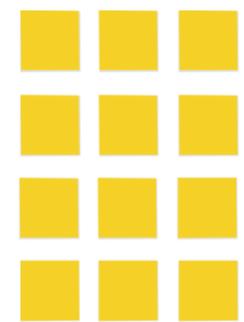
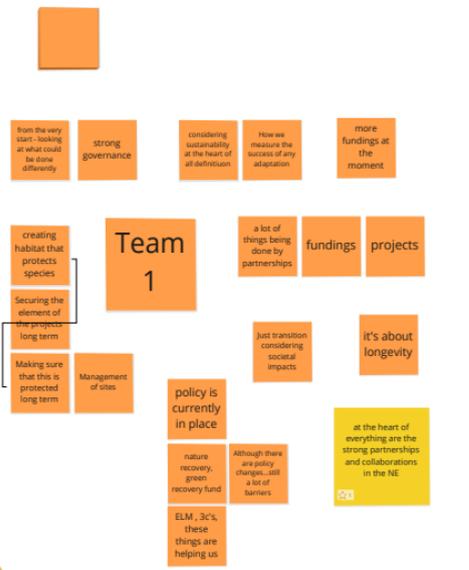
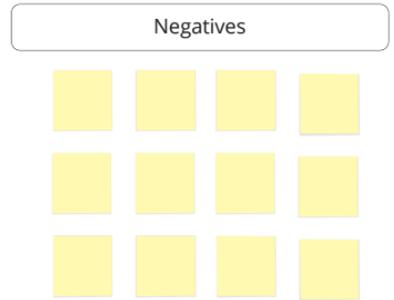
Step 5

Share your insights with
the rest of the group.



3 mins

Step 5 | Share your insights with the rest of the group



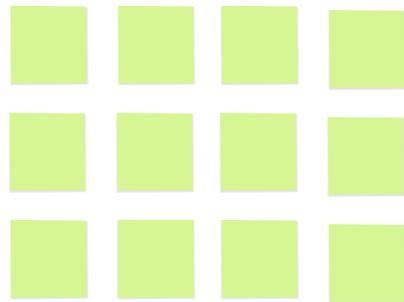
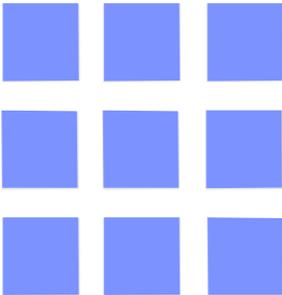
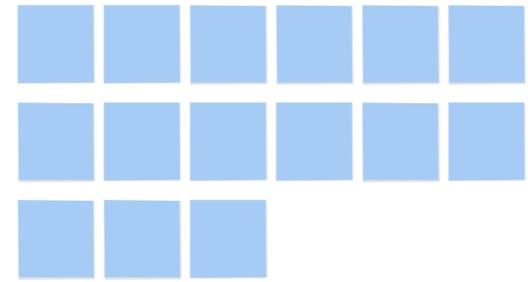
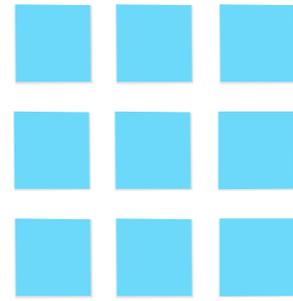
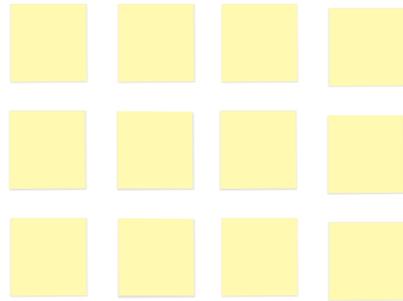
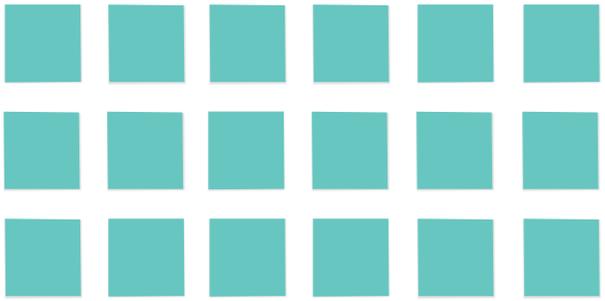
LUNCH BREAK

See you at 1.00pm!

**Or 12.30pm if you
fancy a chat with
others.**



Lunch Break conversation



Step 1

Current data



10 mins



The Coastal Data Explorer:

<https://www.arcgis.com/apps/webappviewer/index.html?id=d5a3fcd28b9c4cde9caf894cbc690e4a>

The Catchment Data Hub: <https://data.catchmentbasedapproach.org/>

A user needs survey for the Coastal Data Explorer:

<https://survey123.arcgis.com/share/da6a792f27d6456eb9dd219969f0e108>



Step 2 - Ideation

What needs to be
created or put in place
to address climate
change?

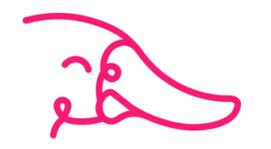
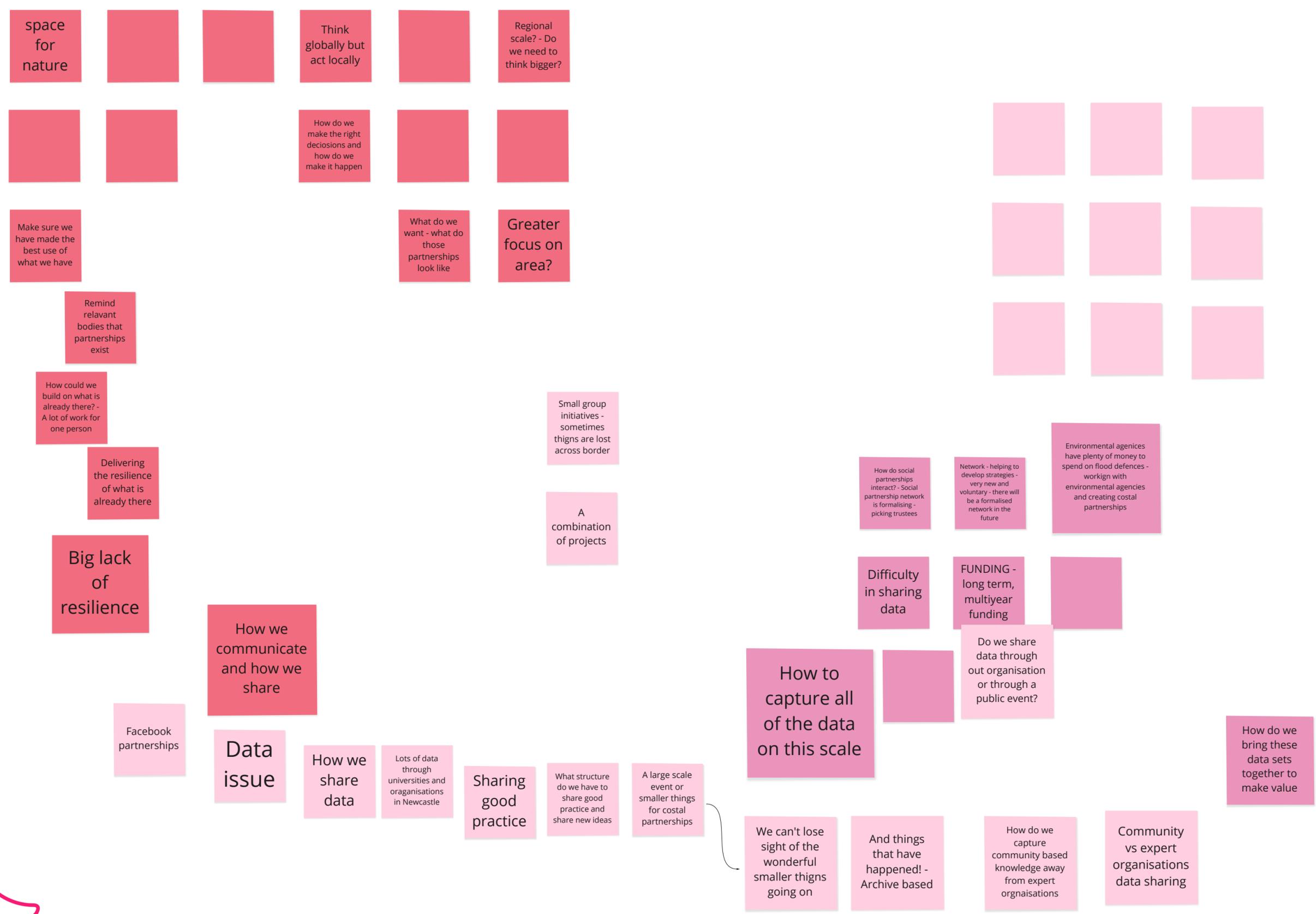


20 mins



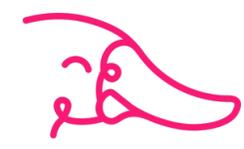
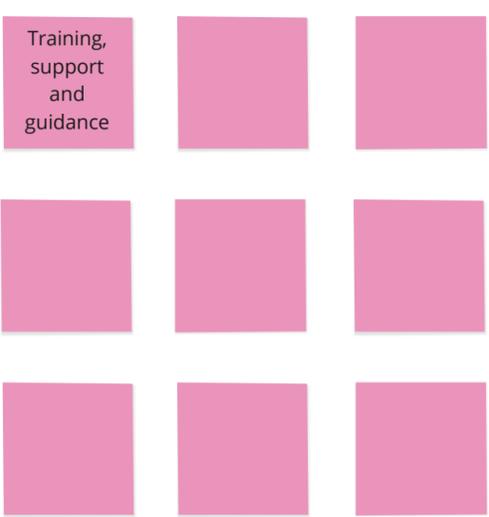
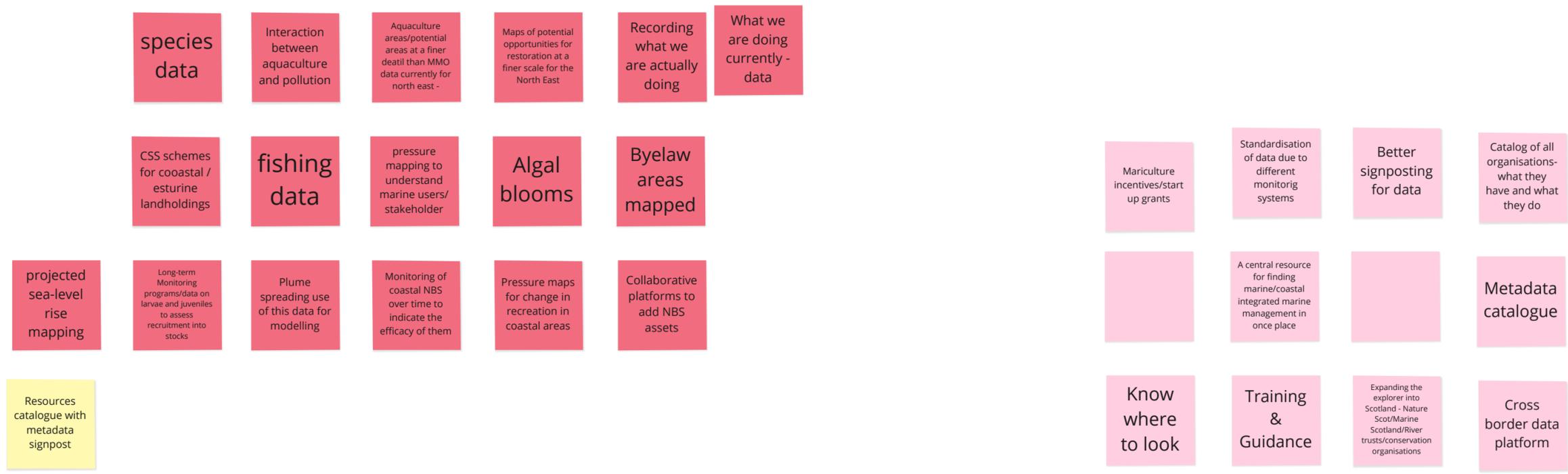
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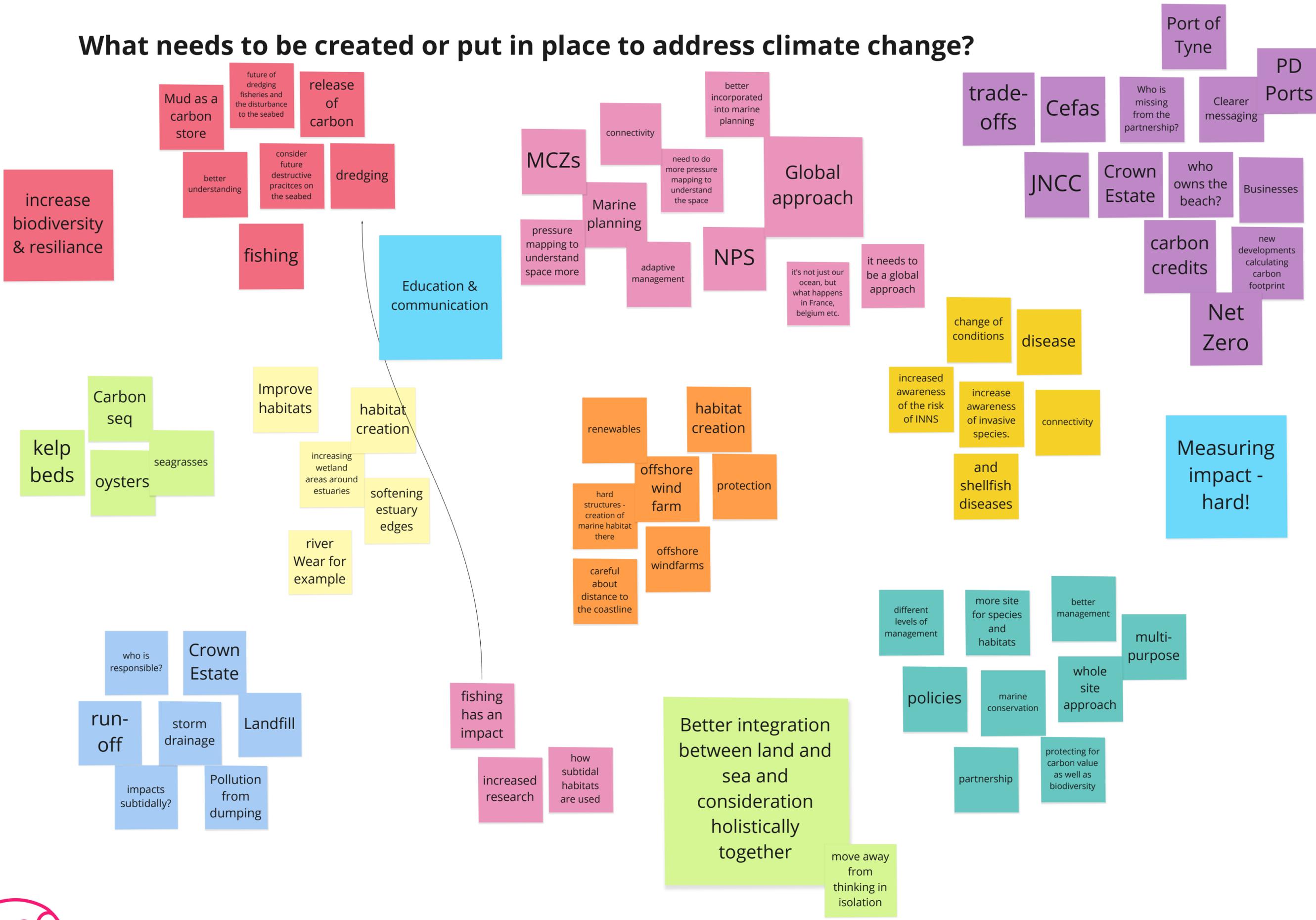
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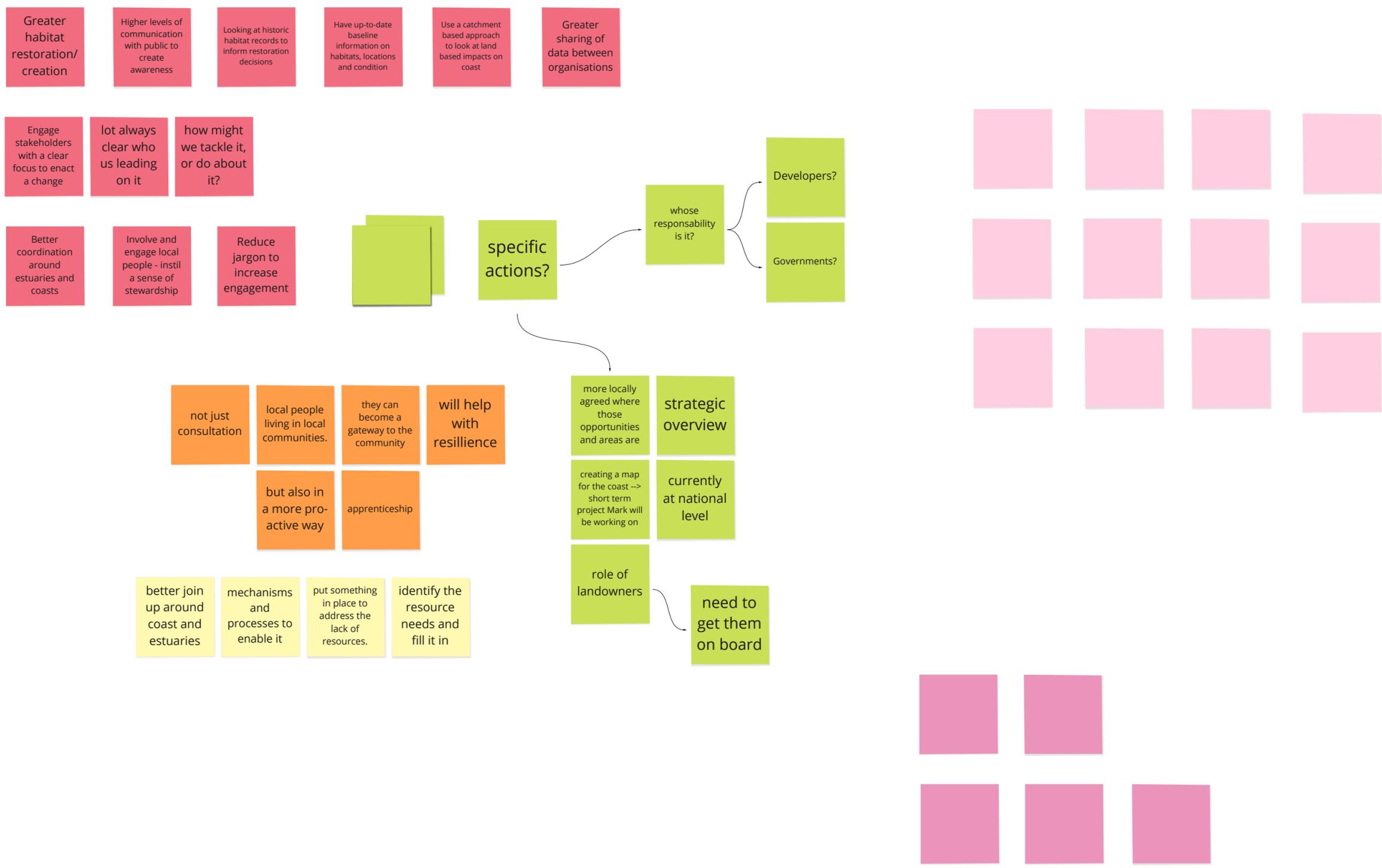
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Step 3

Now, share your
insights back with the
rest of the group



5 mins

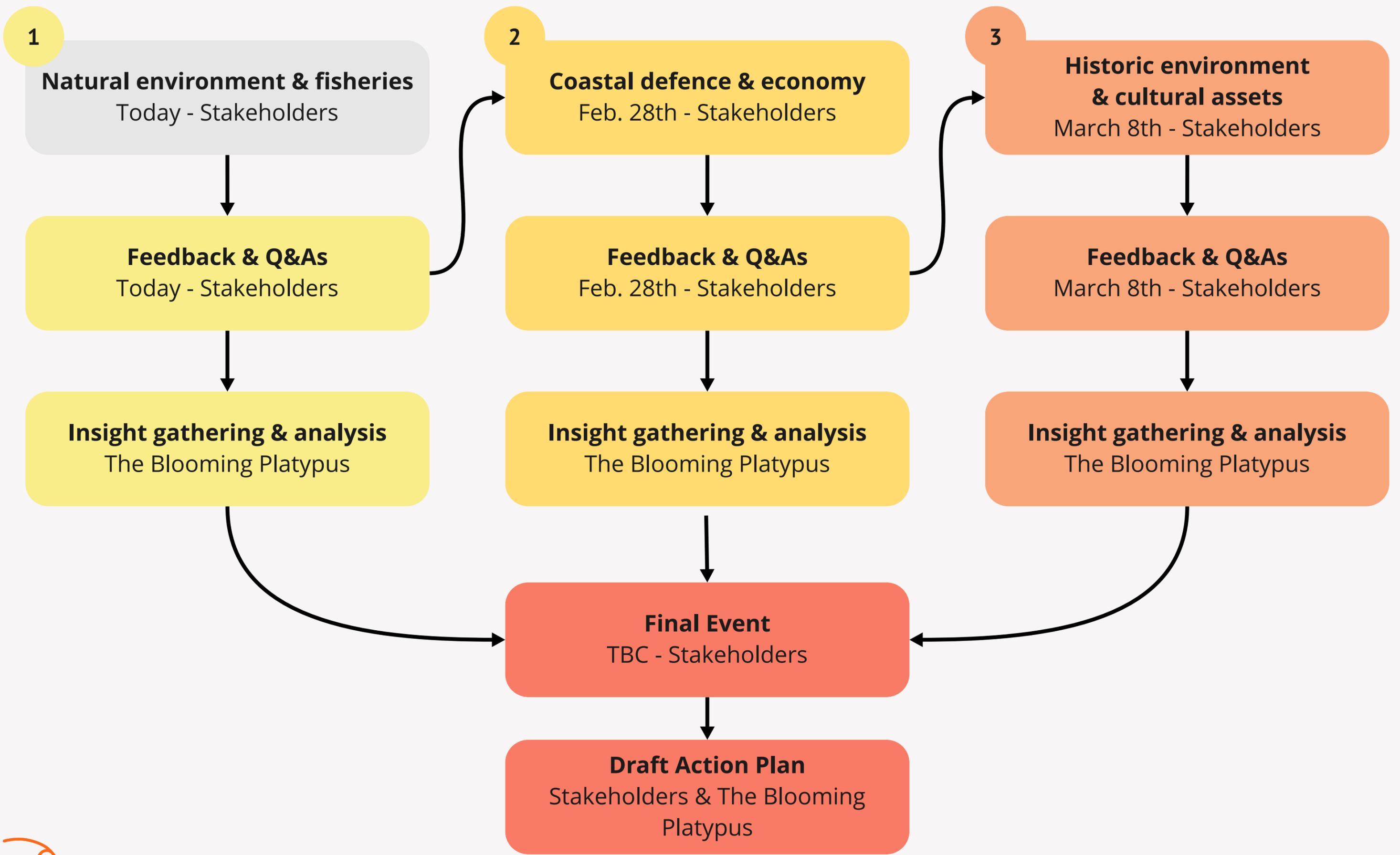


Closing

We have just finished
workshop 1.

And now, what?

Next Steps



What worked well about this session?

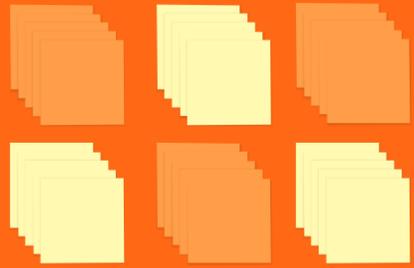
great diversity of participants	use of miro board as shared record	audience participation - interactive	Miro worked really well, gave option to still make comments despite limited time	excellent initial meeting - need to focus questions and agree actions next								
love miro	really positive attempt to work across partnerships and geographies - very much needed	Using the miro board to pool ideas	the split of sessions, not too much time online	Splitting into smaller groups to discuss								
miros and breakout rooms worked really well	agree timings and 2 sessions worked really well	very inclusive and enjoyable										Thank you!

What didn't work so well?

were land owners / community well represented?	Maybe pose a particular question for the workshops - i might have missed this if there were some	There was some really great and insightful discussion but everything that you need to create an action plan is very difficult to do in the timescales but action items/strategies weren't really discussed in much detail.	intro to Coastal DM quite short but clearly lots of functionality - a dedicated session?									
short time to answer huge questions	need to move to action too	A very broad topic to discuss										
Focus of discussions and participants was mainly on natural environment, although the two are clearly linked there's potential that not so much has been captured on Fisheries. Where many Fisheries focussed groups or individuals meet?												



Any other questions we can follow up on or things we didn't get to?



Q&As

Or you can email your question to Justine at justine@thebloomingplatypus.com
She'll get back to you ASAP. Thank you!





**Thank you for
your time &
energy! ✨**