

Hi! 🖐️

**Welcome to the
Championing Coastal
Coordination (3Cs)
Workshop 2!**



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!

	1	2	3	4	5	6		7	8	9	10	11	12		13	14	15	16	17	18	
What's your name?	Justine Carrion-Weiss	Karen Daghish		Heather Bell		Nick Brodin		Charlie Richardson	Peter Allen	Don O'Meara	Niall Benson	David Green	Clare McCarty		Clare Fitzsimmons	Michelle Hogg	Maggie Roe	Ed Dick	Suzanne Hocknell		
What's your title / job position?	Innovation Statigist	Delivery Manager SeaScapes		GIS Analyst		Partnership Officer		Innovation Strategist	Coastal Project Officer	Science Advisor; North East and Hadrian's Wall	Heritage Coast Officer	FCERM Programme Officer	Marine Planner (North East)		Lecturer/ researcher / academic	Project Manager	Professor of Landscape	Harbour Master			
What organisation do you work for?	The Blooming Platypus	SeaScapes (DCC)		The Rivers Trust		Berwickshire and Northumberland Marine Nature Partnership		The Blooming Platypus	Scarborough Borough Council	Historic England	HeritageCoast Partnership	Northumberland County Council	Marine Management Organisation		Newcastle University	South Tyneside Council	Newcastle University	Port of Blyth	Newcastle University		
Why is climate change important in your opinion ?	because we have to protect our beautiful planet	Concerns everybody and every thing on the planet, affects us all and we can all do something about it		We are facing a more unpredictable world		It is the most urgent challenge that we face as a society		If we want the right future we need to address the bigger problems	It will be disruptive to human society whilst having a significant impact on global ecosystems.	Because it is becoming ever more important politically	Huge and all encompassing	Huge implications for everyone	wide reaching impacts for everyone		Impacts on marine life / species and habitats	detrimental impacts - increased financial cost adapatation	It affects all landscapes & multispecies within thos landscapes	Climate change is everyone's responsibility! we need to act today to ensure our future	Speed of changes and implications for life and communities globally		
How do you feel about today?	excited	Good - need to make sure these issues are still given space / a profile		Hopeful		Curious		Looking forward to working with you all!		Curious	Excited	Interested to find out what the workshop is about	Curious		Interested / Looking forward to it	interested	Enthusiastic!	Positive / Curious as to what this workshop is about	Curious		



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



20 mins

Championing Coastal Partnership

Workshop 2 Coastal Defence & Economy





Photo: Paula Lightfoot



3Cs North East Coastal Network

Coastal Defence and Economy Workshop
28th February 2022

Lots of evidence about current and potential climate change impacts

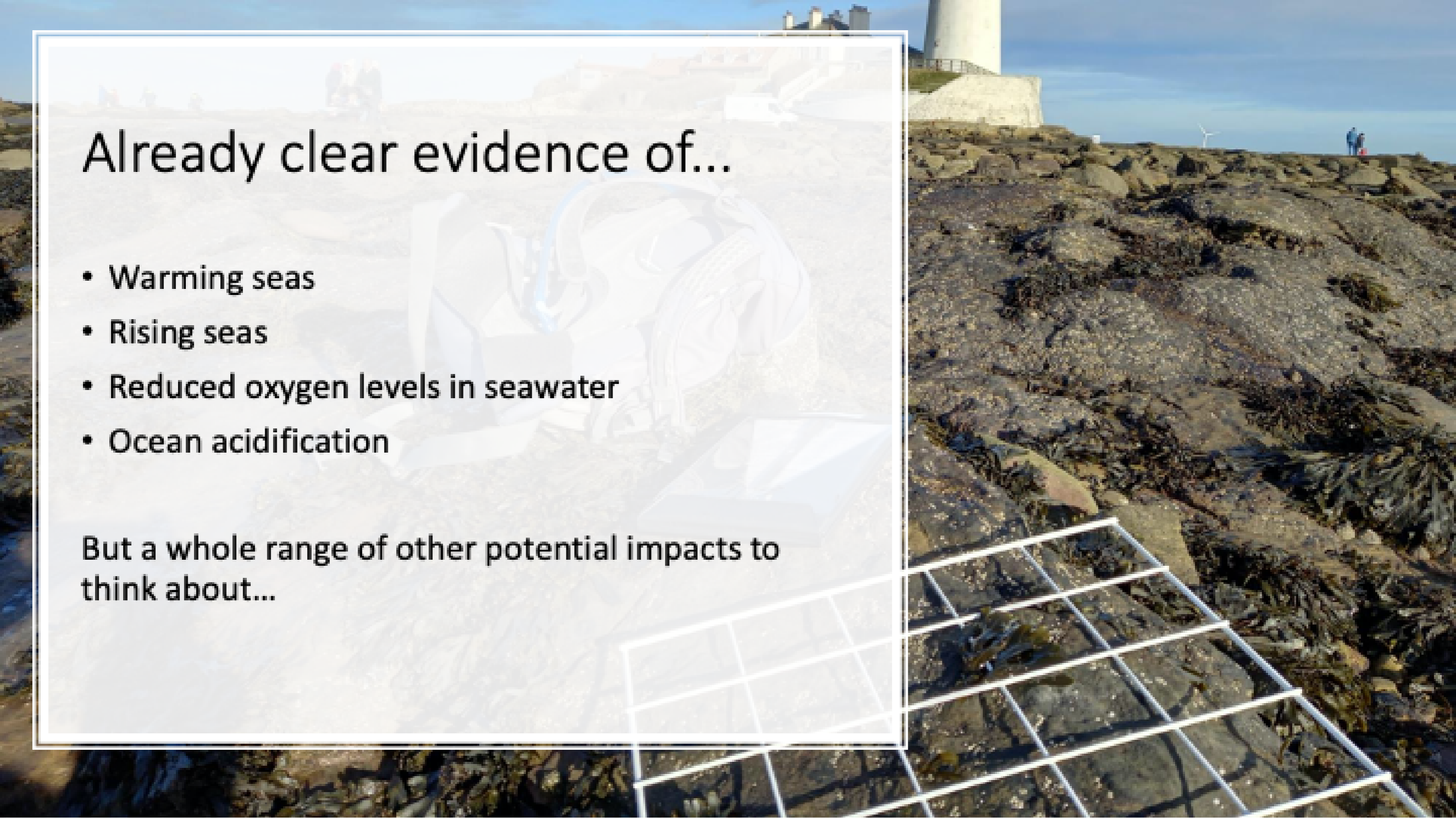
- Marine Climate Change Impacts Partnership (MCCIP) www.mccip.org.uk
- Dynamic Coast (Scotland) www.dynamiccoast.com
- UK Climate Change Risk assessment 2022 www.gov.uk/government/publications/uk-climate-change-risk-assessment-2022



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



Extreme water levels

Development concentration in defended areas

Storm surge affecting infrastructure assets e.g. 2013

- Economic impacts; cost, port, transport, water, energy & agriculture
- Social impacts; life, health, evacuation damage to property
- Environmental; coastal change, loss of habitat, loss of cultural heritage

Tourism and recreation

Warmer summers – more visitors

- Increased demand on infrastructure, energy, water and waste management
- Habitat degradation and species change, local food offer
- New water sports e.g. 2008 – 2018 800,000 more boat owners
- Impact of extreme weather?



Societal impacts

- Economic activity (e.g. energy, fisheries, aquaculture and food chain)
- 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



4 themes - 2 breakout rooms

Coastal Erosion & Flood Risk
Food Production

Team 1 - Niall Benson

Tourism & Recreation
Transport & Infrastructures

Team 2 - Nick Brodin



**How might we address
coastal defence and
economic challenges
resulting from climate
change?**



Step 1 - Reflection

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



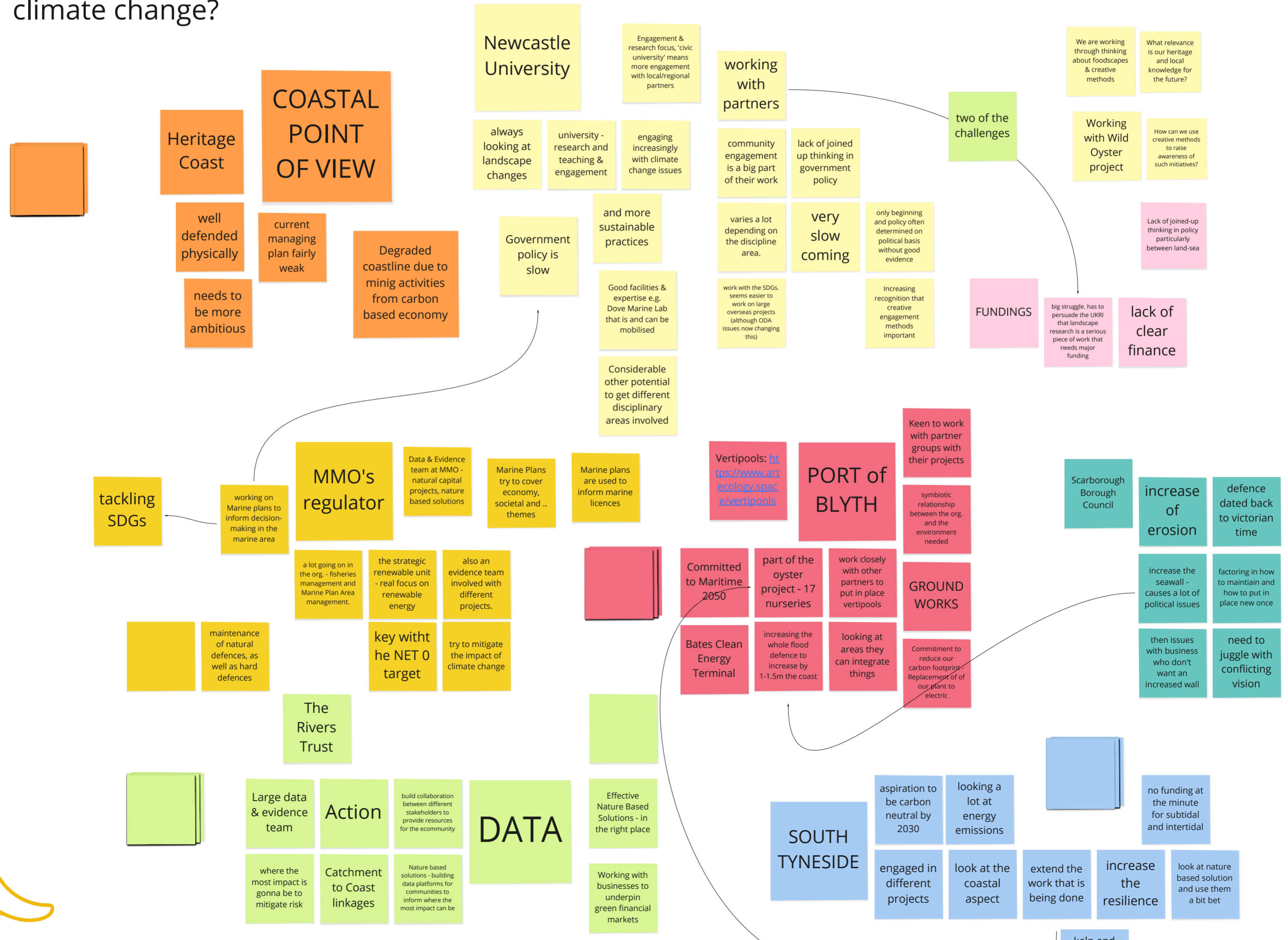
15 mins



Step 1 | Team 1 - Niall Benson | Coastal Erosion, Flood Risk & Food Production

Tip: find a volunteer to capture the conversation on the board, so we don't miss important bits

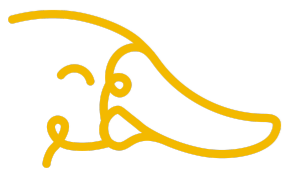
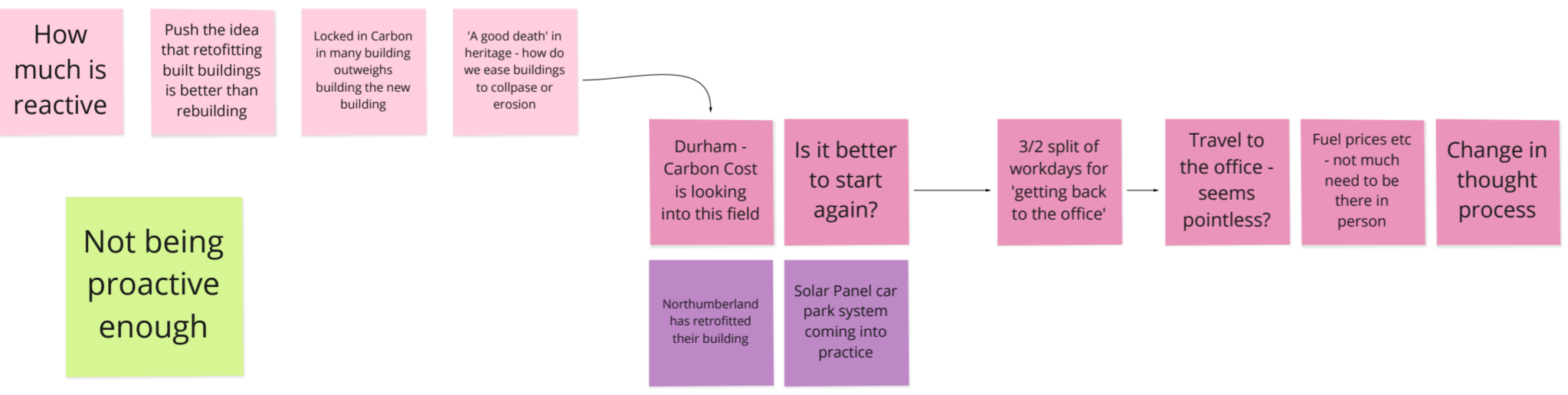
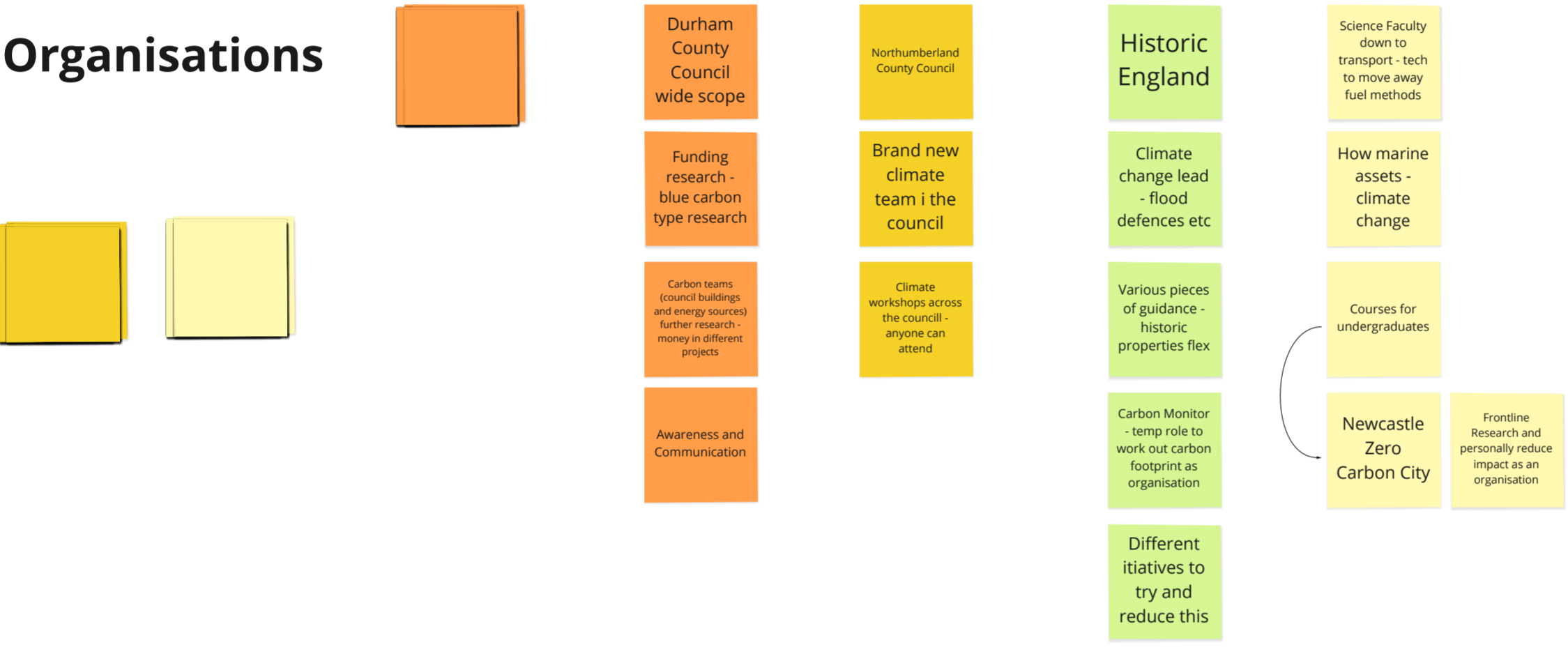
How is your organisation/partnership /consortium currently addressing issues resulting from climate change?



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

Organisations



Step 2 - Ideation

What does successful adaptations to climate change look like?



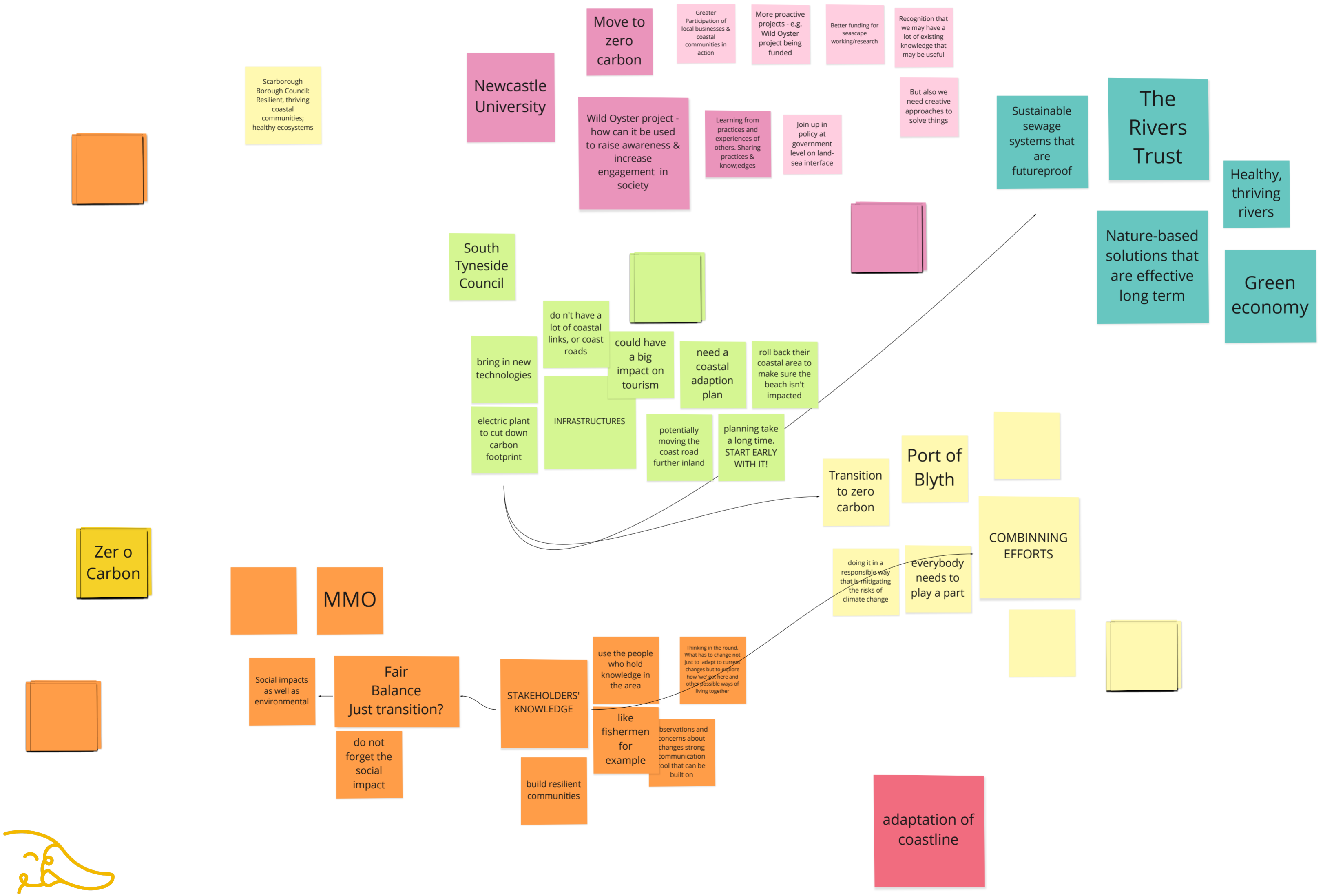
10 mins



Step 2 | Team 1 - Niall Benson | Coastal Erosion, Flood Risk & Food Production

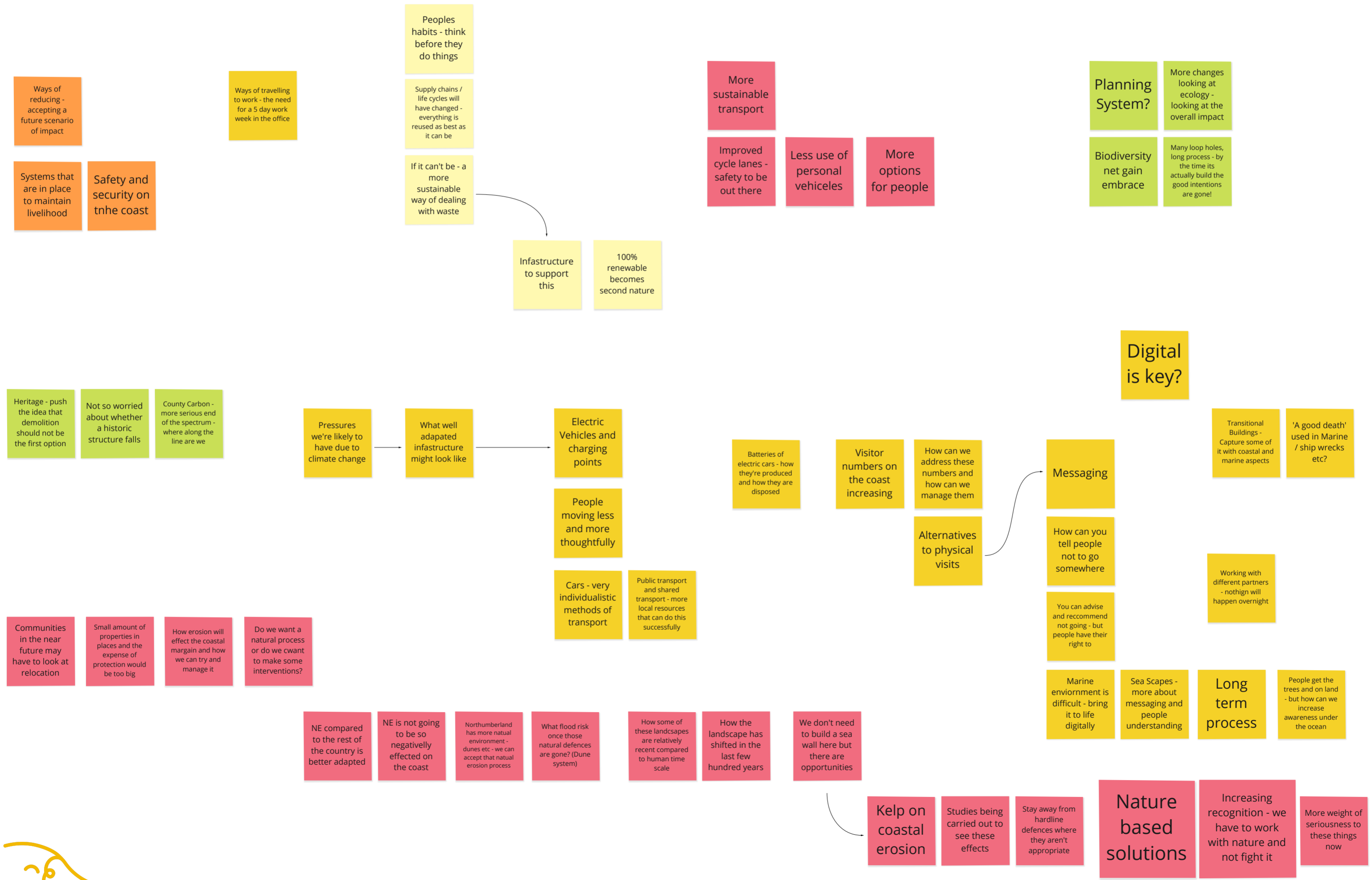
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What does a successful adaptation to climate change look like?



Tip: find a volunteer to capture the conversation on the board, so we don't miss important bits

What does a successful adaptation to climate change look like?



Step 3 - Reflection

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

What is currently getting in your way of achieving it?

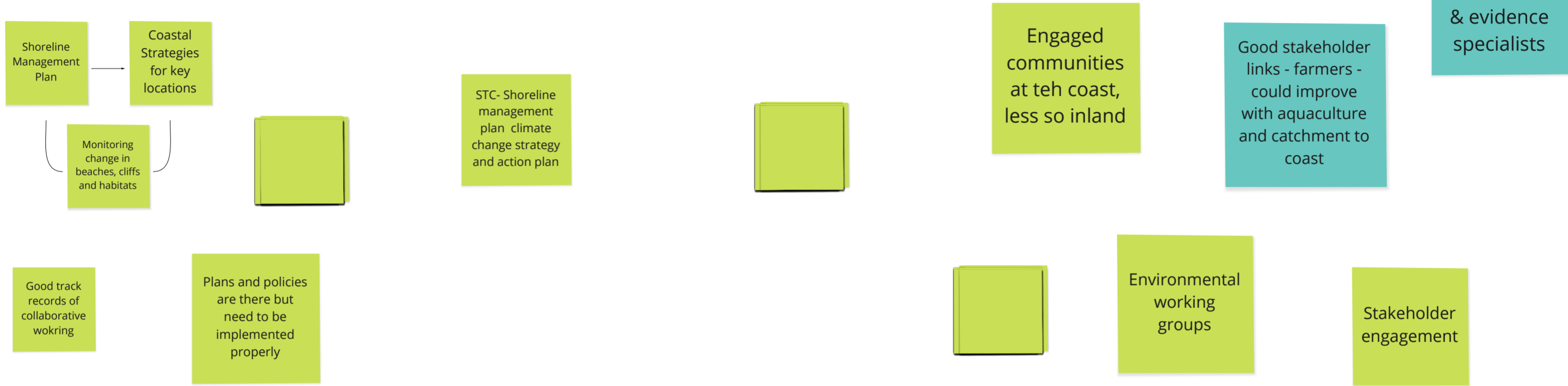


5 mins

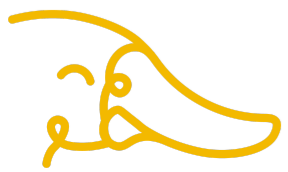
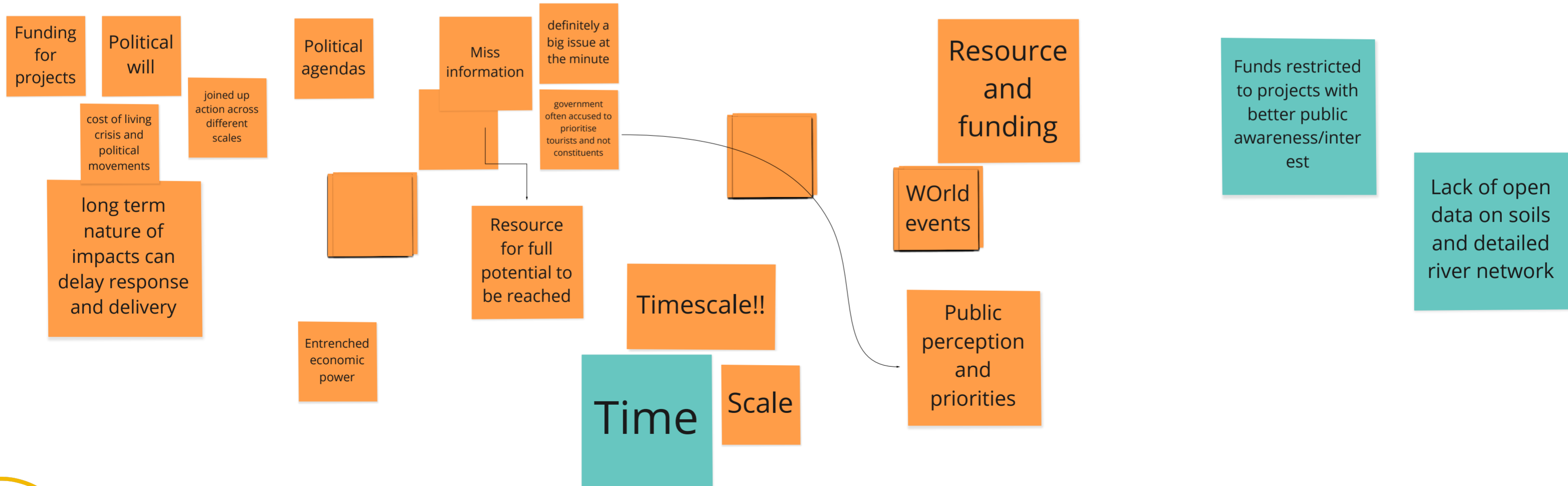


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What is currently in place to help you achieve this vision?

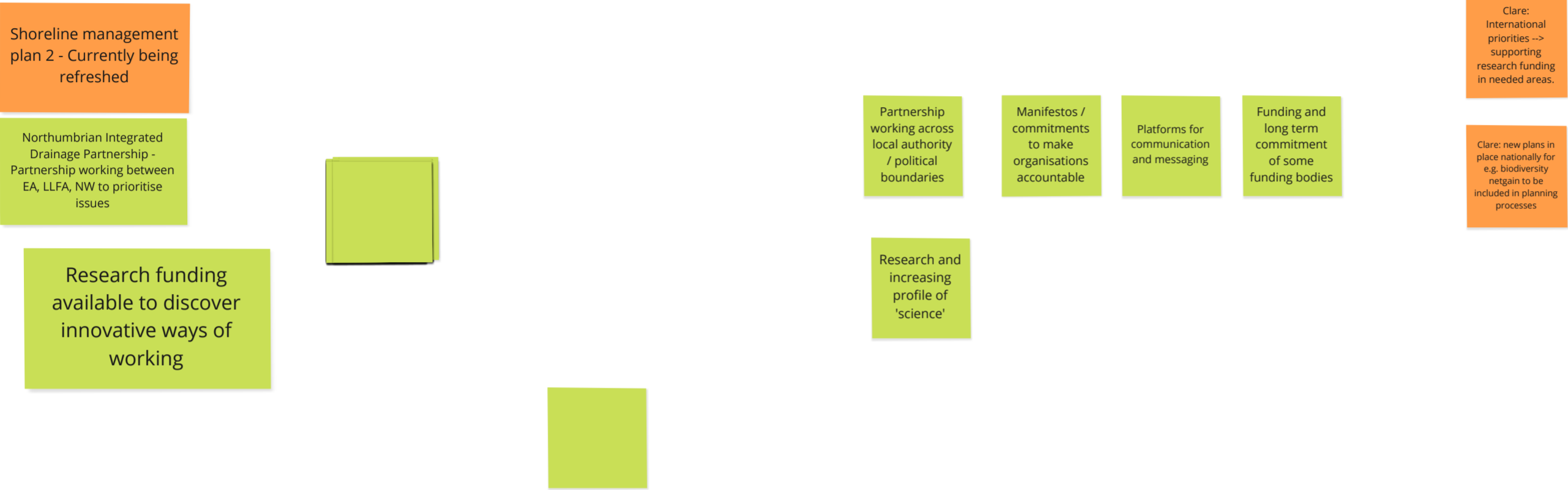


What is currently getting in your way of achieving it?

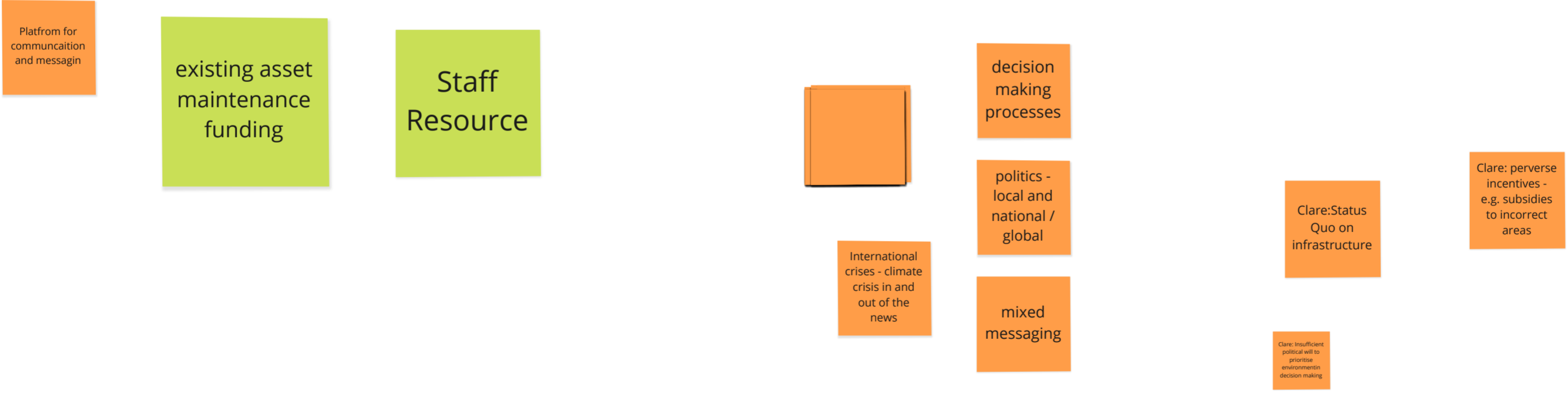


Tip: find a volunteer to capture the conversation on the board, so we don't miss important bits

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



What is currently getting in your way of achieving it?



Step 4

What needs to be done differently to achieve this vision?



15 mins

Step 4 | Team 1 - Niall Benson | Coastal Erosion, Flood Risk & Food Production

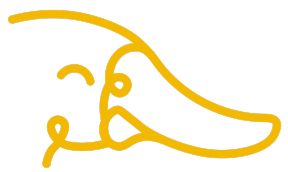
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Step 4 | Team 2 - Nick Brodin | Tourism & Recreation, Transport & Infrastructures

Tip: find a volunteer to capture the conversation on the board, so we don't miss important bits

What needs to be done differently to achieve this vision?



Step 5

Share your insights with
the rest of the group.



5 mins

Depoliticisation

Actions are reachable...
accessible by all
Requirement for
a framework

So much going on
we are likely to
make a mistake -
Capacity to
engage - Resource
levels

Better
collaboration

Supportive
political
context

Local
community
collective
responsibility

Encourage
individual
responsibility, but
also holding
industry to task
when it comes to
larger impacts

Research - what
are we doing with
that? How can we
start putting
things into
practice

Holding
industry
to task

Funding

Making
maintenance
funding more
available

capacity

Lots going
on to stay
on top of

Scale of
what is
beign done

new tools
to
collaborate

FUNDINGS

that resource
needs to be
there to
deliver all of
this

minimum
maintenance
funding



**How might we address
coastal defence and
economic challenges
resulting from climate
change?**



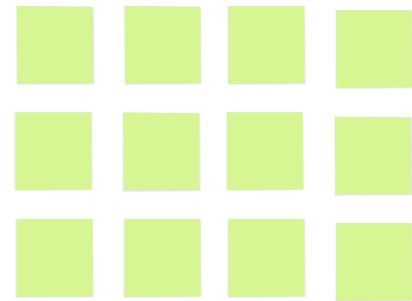
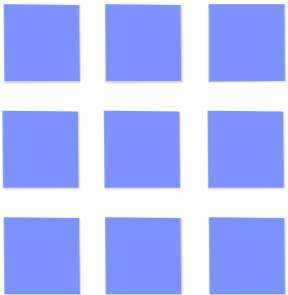
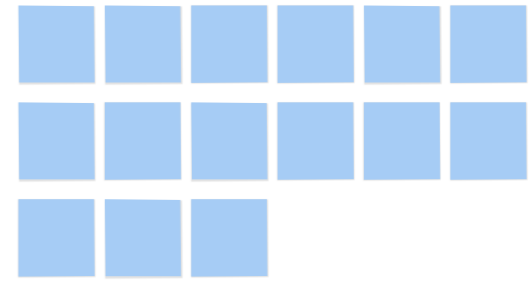
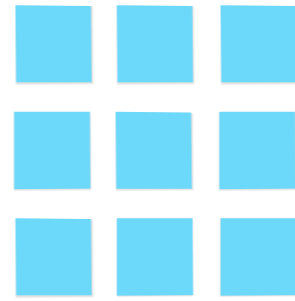
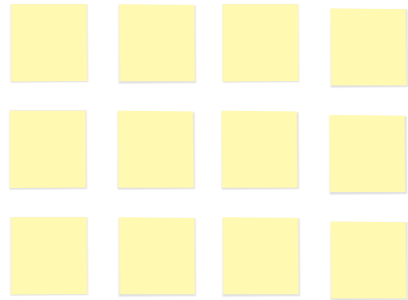
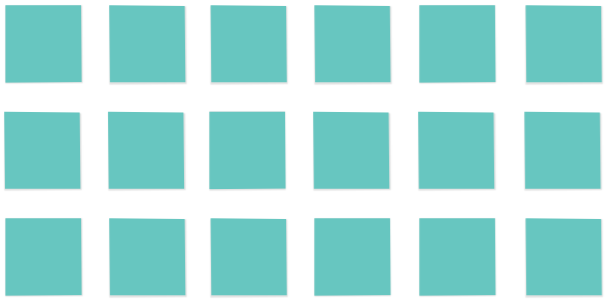
LUNCH BREAK

See you at 1.00pm!

Or 12.30pm if you
fancy a chat with
others.



Lunch Break conversation



Step 1 - Presentation

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 - Presentation

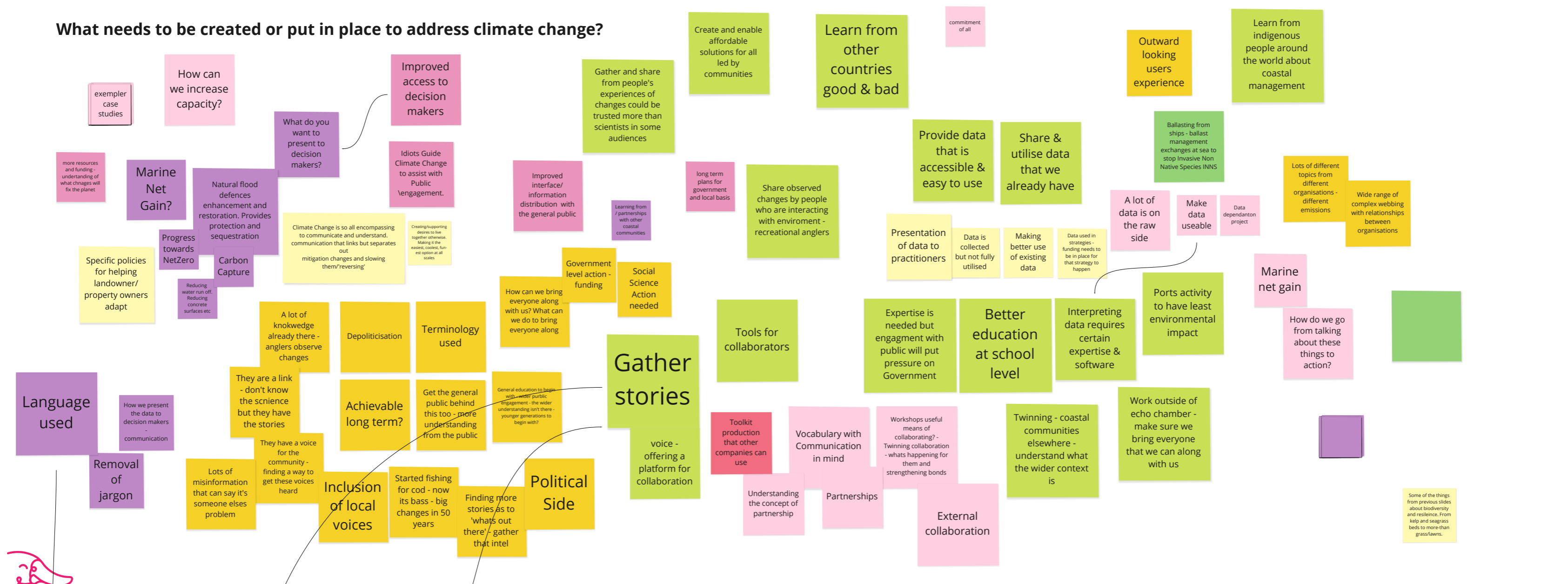
What needs to be
created or put in place
to address climate
change?



25 mins

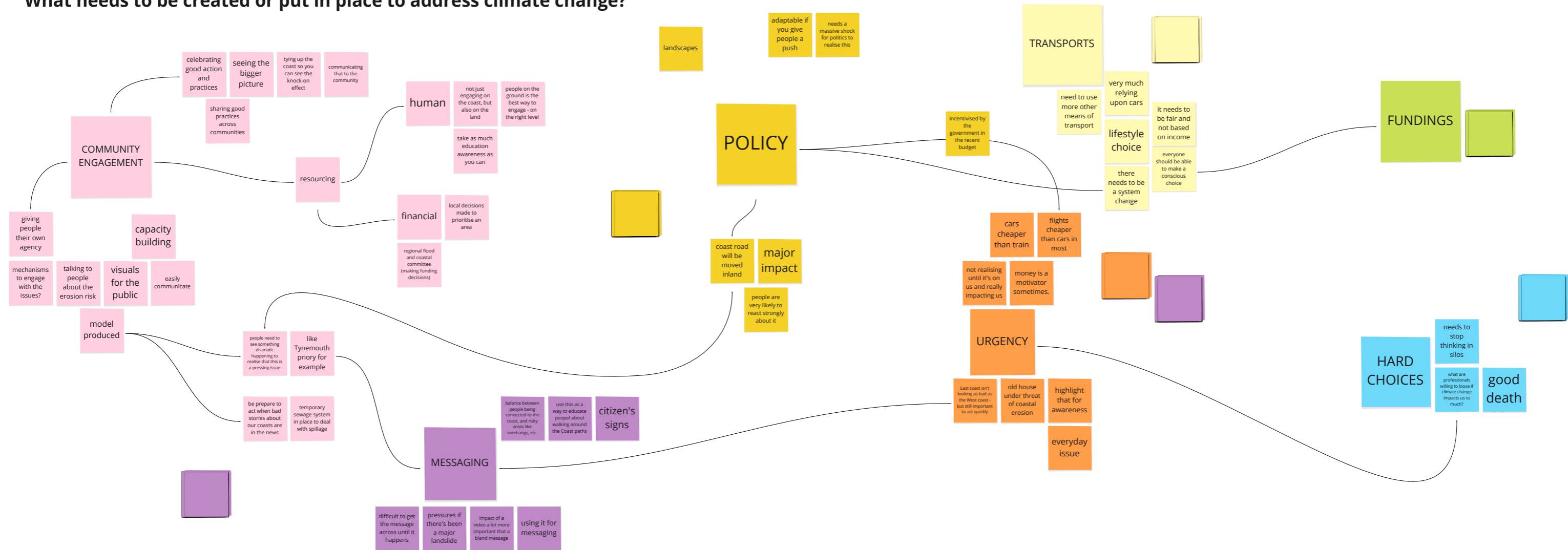


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Tip: find a volunteer to capture the conversation on the board, so we don't miss important bits

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



Step 3

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



5 mins

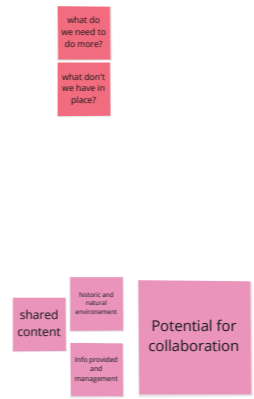
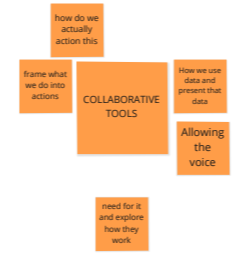


Language

Actioning

Collaborative Tools

Create and enable affordable solutions for all led by communities



**How might we address
coastal defence and
economy challenges
resulting from climate
change?**

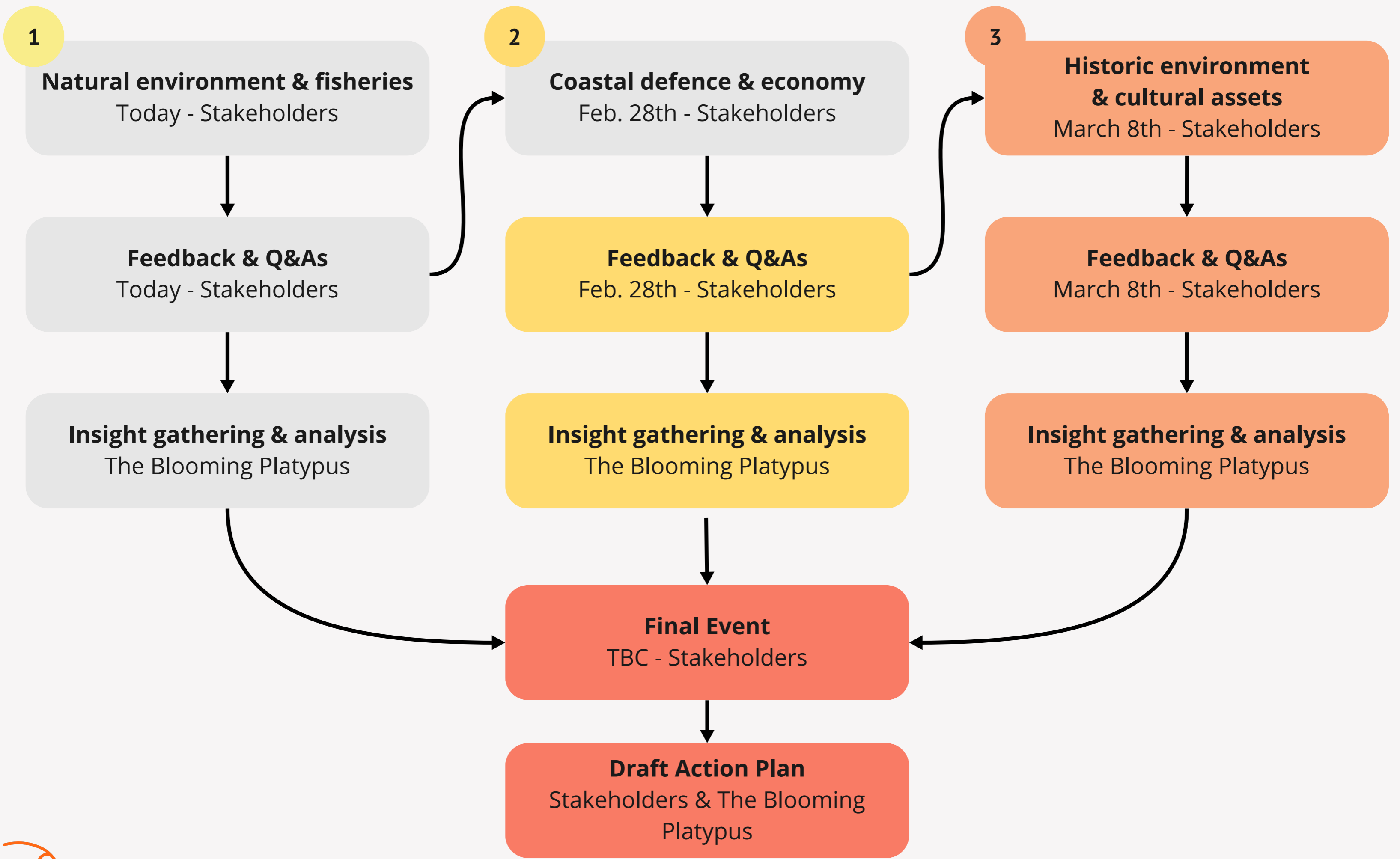


Closing

We have just finished
workshop 1.

And now, what?

Next Steps



What worked well about this session?

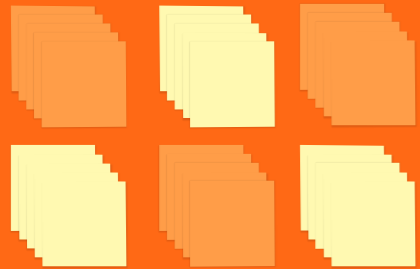
Miro works well to give everyone a chance to contribute	Facilitators of breakout groups did a good job of including everyone and prompting discussion.	Plenty of time for discussions	Good length of time for discussion. Appreciated that event was half day rather than full day whilst still managing to cover lots.									

What didn't work so well?

EA representation was missing	environment agency	Sticking to the themes - easy to digress and loose the point of the event										
Because climate change is so cross-cutting it was difficult to stick to the break-out question topics. Could be taken as a good thing showing that actions need to be cross-sector!	Very big questions to answer with missing stakeholders.											

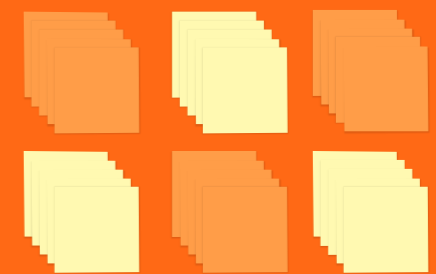


Any other questions we can follow up on or things we didn't get to?



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! ✨**