



Diverse marine values beyond the tide line

Wales Marine Evidence Conference

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Diverse Marine Values







Diverse Marine Values

To generate and influence the transdisciplinary capability of the UK marine policy stakeholder and research community in order to use diverse values in decision making to support the sustainable management of the UK's marine resources.



Project Overview

WP1.

Conceptual framework for diverse values, transdisciplinarity and marine management

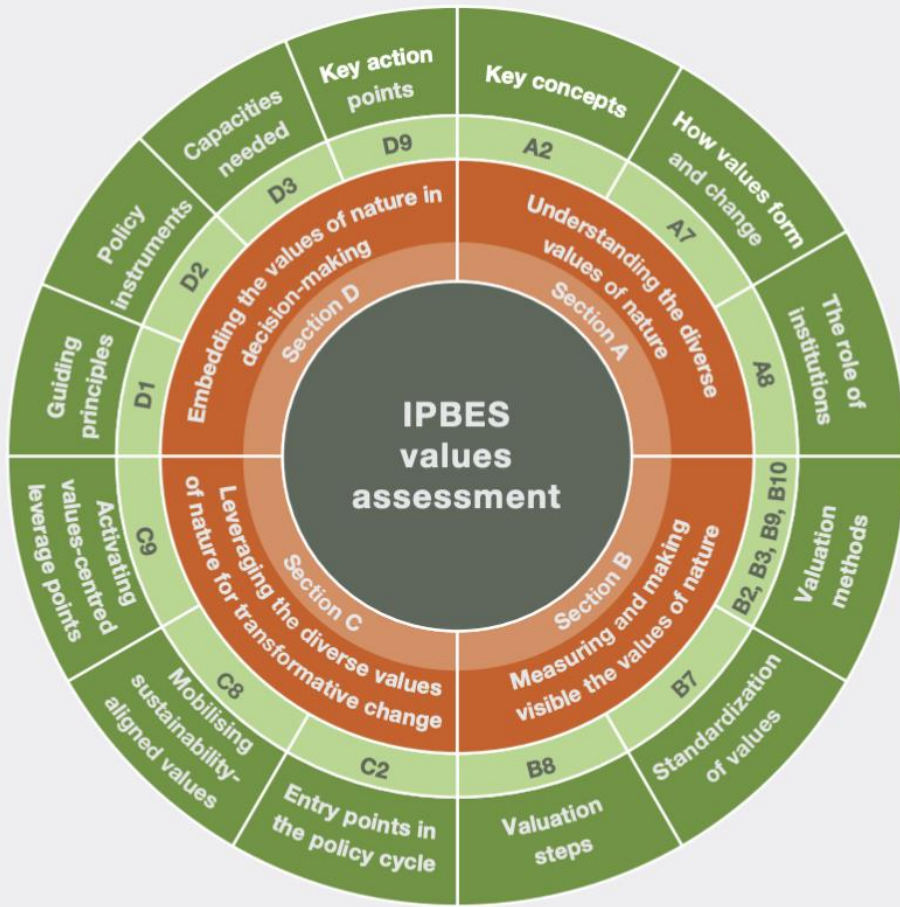
WP3. Values and ocean literacy

WP2. Making diverse values visible

WP4. Embedding values into marine governance

WP5. National transition planning

- With national decision-makers in Scotland, England and Wales
- National workshops
- Institutional action planning



SPM background sections
 Background section topics
 Main SPM background messages

Figure SPM 1 The values assessment wheel.

The assessment of the diverse values and valuation of nature provides guidance on the diverse values of nature and how to integrate them into decision-making. **Figure SPM.1** illustrates the structure of the background section, by showing the main section themes and how they are linked to specific issues and background messages.

IPBES (2022). <https://doi.org/10.5281/zenodo.6522392>.



The evolution of ocean literacy: A new framework for the United Nations Ocean Decade and beyond

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ABSTRACT

First introduced in the early 2000s, the concept of ocean literacy has evolved in recent years, not least since its inclusion as a mechanism for change within the United Nations Ocean Decade's goals. Building on early definitions of ocean literacy, there has been increasing recognition of a range of additional dimensions which contribute to an individual or collective sense of 'ocean literacy'. Drawing on existing research, and parallel and supporting concepts, e.g., marine citizenship, ocean connectedness, and public perceptions research, this paper proposes ten dimensions of ocean literacy: knowledge, communication, behaviour, awareness, attitudes, activism, emotional connection, access and experience, adaptive capacity and trust and transparency, and recommends expanding previously recognised dimensions, in a bid to ensure that ocean literacy encompasses diverse knowledges, values and experiences. The paper provides a useful framework for ongoing ocean literacy research, and highlights aspects of ocean literacy which have received limited focus to date.

Testing multiple methods to understand diverse values in three community test sites



Diverse Marine Values

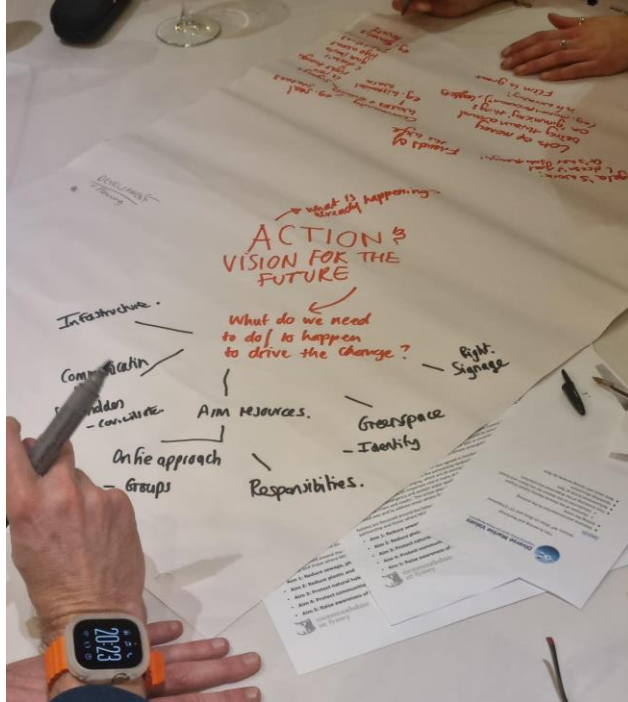




An underwater photograph showing a dense, vibrant green seagrass bed. The seagrass blades are long and thin, creating a textured, layered appearance. The water is clear, allowing for a detailed view of the vegetation. The lighting is natural, highlighting the various shades of green.

watershed

dalgyllch afon



Watershed Premiere and Community Workshops January 2024

- Over 80 people attended over two events, including local councillors.
- Key discussion themes included:
 - Workshop attendees expressed strong emotional responses to the deterioration of the river and the implications of this for the wider environment in the region – *'It's like a dying friend'*
 - The challenge of cross border governance dealing with a whole catchment issue.
 - A need for improved coordination and more joined up thinking to bring river, estuary and coast together.
 - Feeling of being 'let down' by decision-makers and a lack of faith that any real action will be taken.
 - BUT there was hope – *'people have power'*
- Analysis of the interviews and workshop discussions is ongoing.
- Film to be released soon!





Diverse Marine Value

Ocean Literacy in Shetland_2023

Introduction

The UK is an island nation, surrounded by a rich and diverse ocean environment. The importance of a sustainable ocean for people and nature is now one of the defining issues of the early 21st Century alongside climate change and biodiversity loss.

As part of the [UKRI funded Diverse Values project](#), we are interested in understanding how you connect with and value your local marine and coastal environment in and around Shetland, and invite you to send us your thoughts about issues relating to the ocean and coast through completing this questionnaire.

The questionnaire should take no more than 20 minutes of your time, and is being conducted in accordance with Cardiff University's Ethics Procedures and in full accordance with GDPR guidelines. Your participation in this questionnaire is entirely voluntary, and you can stop your participation at any time. All data you provide, including personal data, will be treated with confidentiality, and will only be used for the purpose of this research study. The data will never be sold on and will not be individually attributable to you. The information you provide will be stored securely and used for research purposes only.

If you have any questions or concerns about this research, you can contact the researchers using the following e-mail address: mckinleye1@cardiff.ac.uk

Please confirm you accept this and are willing to proceed with the survey by ticking the box below.

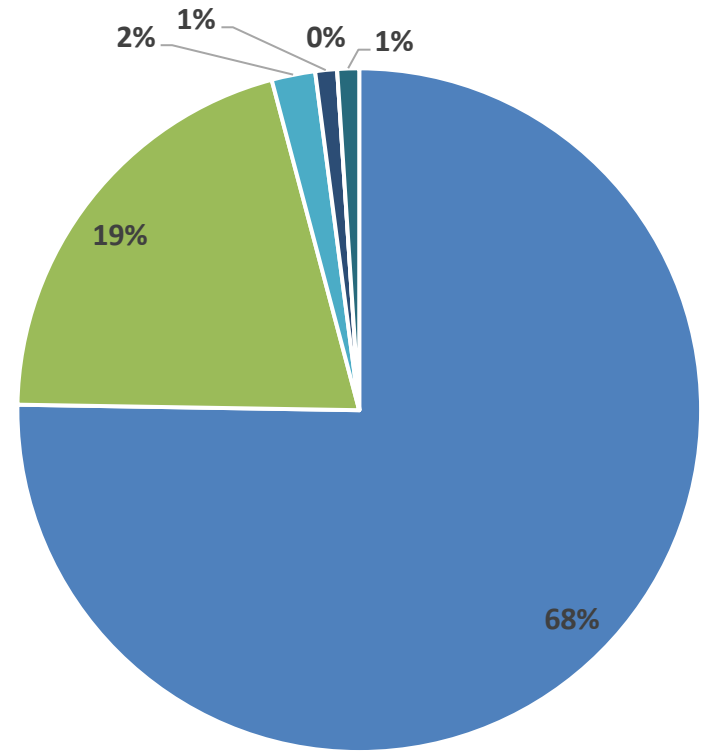
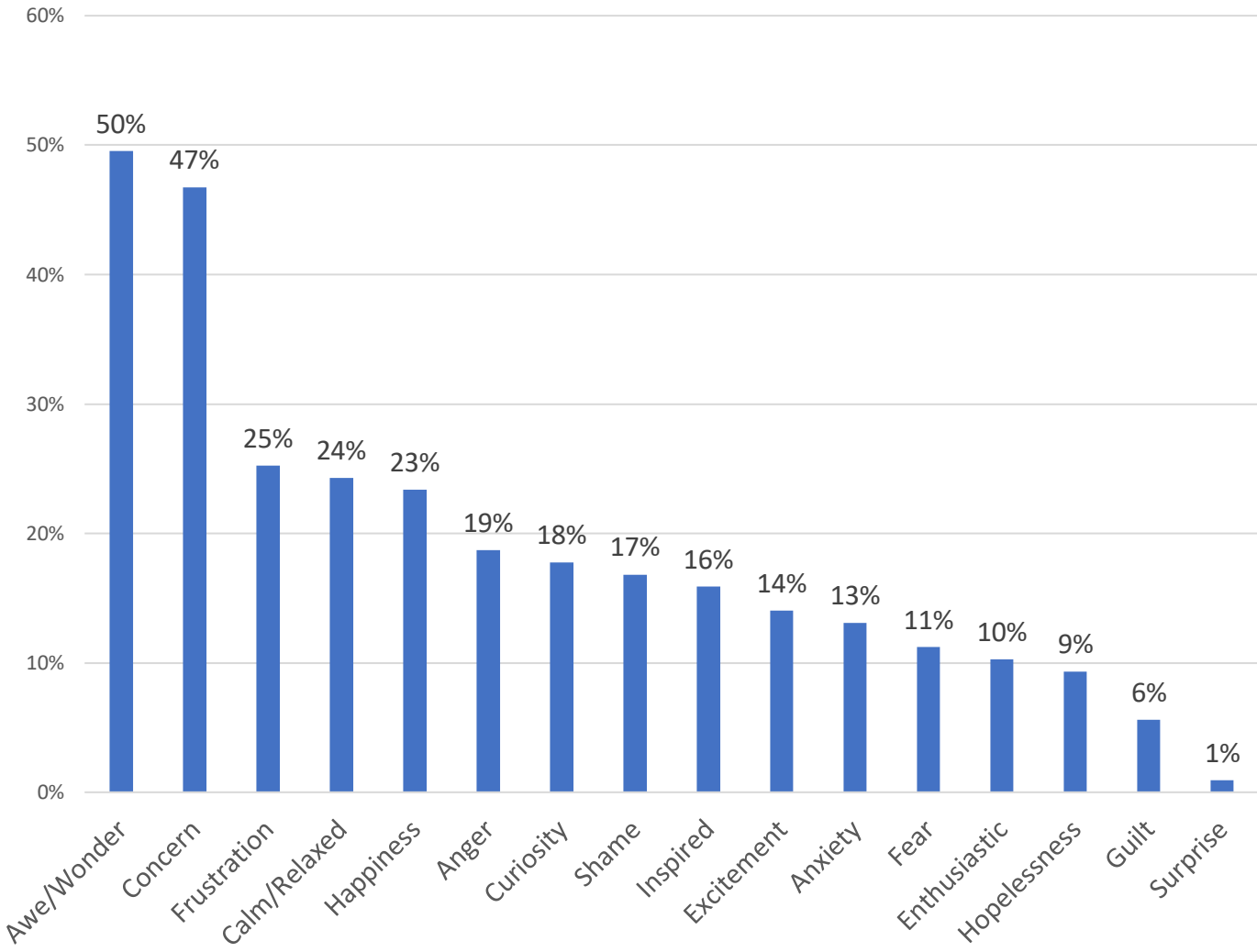
Yes

3. How do you feel when you think about the marine environment? Please select the three emotions which come closest to how you feel.

- Anger
- Anxiety
- Boredom
- Curiosity
- Fear
- Frustration
- Happiness
- Calm/Relaxed
- Hopelessness
- Other (please specify)
- Shame
- Surprise
- Excitement
- Enthusiastic
- Awe/Wonder
- Guilt
- Inspired
- Concern
- Don't know

4. The following are principles about the ocean that you believe each statement to be.

	Completely True	Mostly True	Somewhat True	Slightly True	Not at all true	Don't know
The Earth has one big ocean with many features.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The ocean and life in the ocean shape the features of Earth.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The ocean is a major influence on weather and climate.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The ocean made the Earth habitable.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

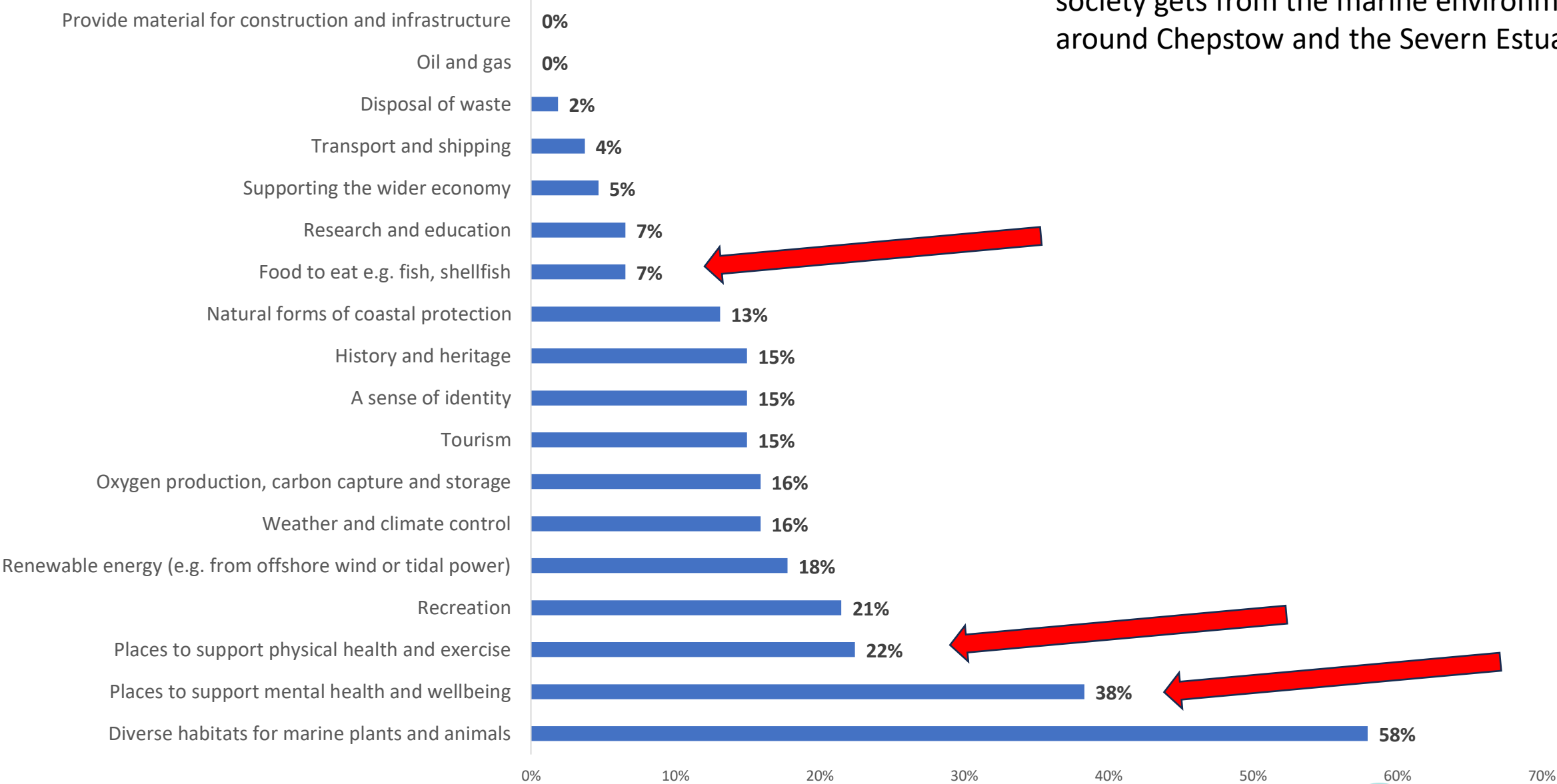


- Very important
- Important
- Neither important nor unimportant
- Not very important
- Not at all important
- don't know

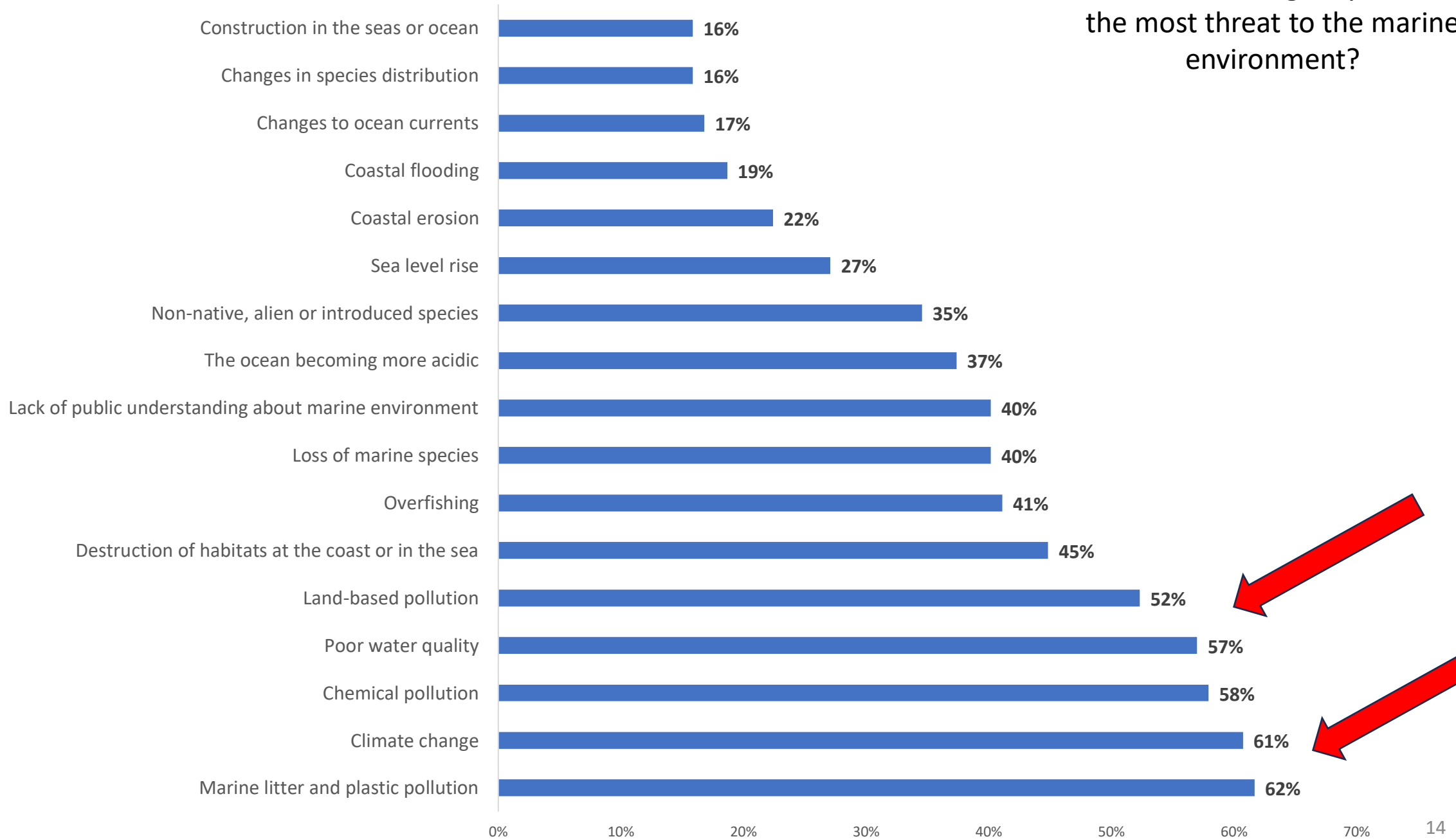
How important is protecting the marine environment to you?

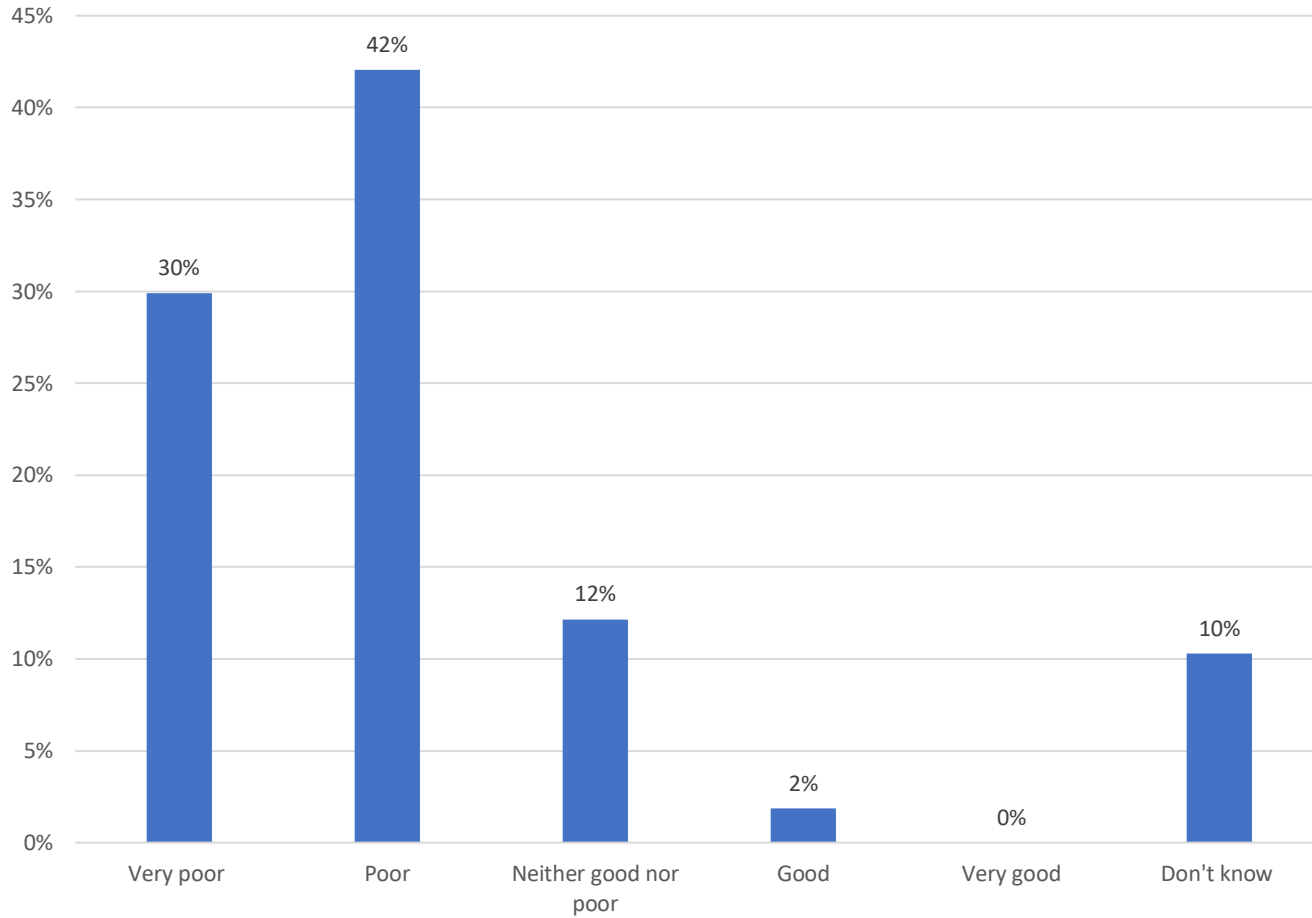
How do you feel when you think about the marine environment?

What are the most important benefits that society gets from the marine environment around Chepstow and the Severn Estuary?



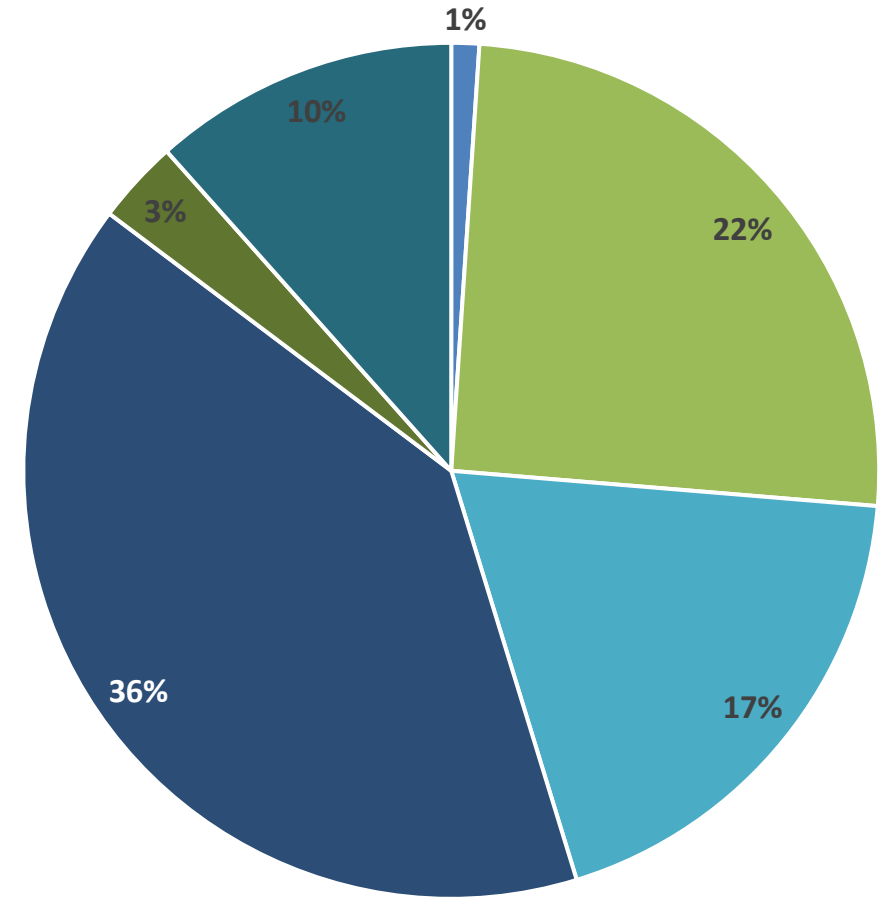
Which of the following do you think pose the most threat to the marine environment?





How would you rate the health of the marine environment around Chepstow?

What impact do you think your lifestyle has on the marine environment?



■ Strong positive impact
 ■ positive impact
 ■ No impact
■ Negative impact
 ■ Strong negative impact
■ Don't know





Other work and next steps

- Finalising the creative work in the Chepstow/ Wye catchment site.
- Ongoing analysis to develop value summaries for the Wye catchment.
- Analysis of interviews with decision-makers to evaluate capacity for ocean literacy and how it can be operationalised.
- HMC and UHI have assessed evidence use within key decisions in Wales – WNMP and the River Wye and Usk Byelaws – and identified pathways for embedding diverse values into decision-making.
- Workshops to support planning for integrating different data, evidence and value sources into decision making – including a workshop at the SMMR conference in May.





Key observations (so far)

- Ocean Literacy provides a framework for understanding relationships and values towards the ocean, coast and seas – in a range of contexts.
- **Ocean Literacy is more than communication and education!**
- There is a real need to understand diverse values – and to use different methods to reveal / explore / assess / experience them and **no one size fits all**
- Qualitative, arts-based methods take time and resource BUT can facilitate conversations with different people and identify new issues and.
- We need to continue to challenge who is currently considered in ocean literacy research and practice – who gets to be ‘coastal’?
- Work still to be done to develop effective mechanisms to include diverse values and OL dimensions within ocean decision making– what are our pathways to impact?

A wide-angle photograph of a long, multi-span bridge crossing a large body of water. The bridge features several tall, vertical pylons supporting the deck. In the foreground, a rocky beach with numerous dark, wet rocks is visible. The sky is overcast and grey. The text "Thank you!" is overlaid in the center of the image.

Thank you!