

PML

Plymouth Marine
Laboratory

Listen to the ocean

Ecosystem services and human health and well-being

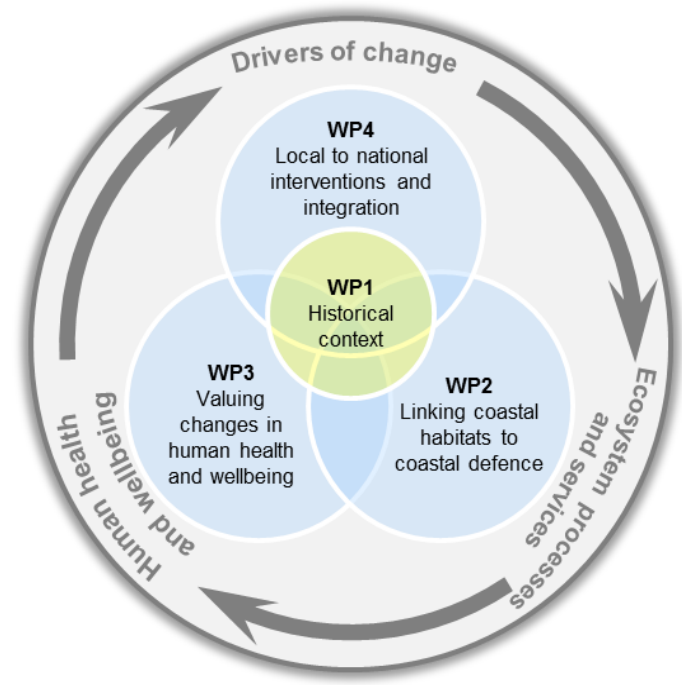
CoastWEB project

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CoastWEB background

- **Aims** to holistically value the contribution which coastal habitats make to human health and well-being
- **Salt marshes** provide many ecosystem services (ES) but are under significant pressures with poorly researched impacts
- Policy is increasingly considering their retention/ restoration
- Tangibly influence and **improve policy** and management of saltmarsh
- **Interdisciplinary** with mixed methods
- **Local to national**



Approach to health and well-being

- **Health** “*a state of complete physical, mental and social wellbeing, whilst key components of wellbeing are contentment, positive emotion, satisfaction with life and positive functioning (WHO 1948)*”
- **Different disciplines** have different interpretations of health and wellbeing, and use different mechanisms to provide values
- **ES approach** based on interdependencies between nature & well-being
- **Well-being** a multi-dimensional concept...

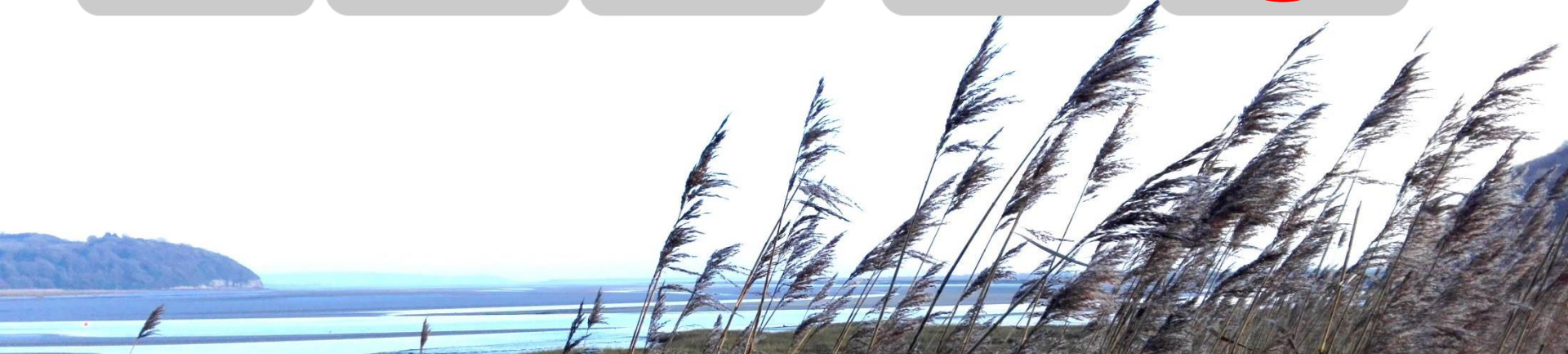
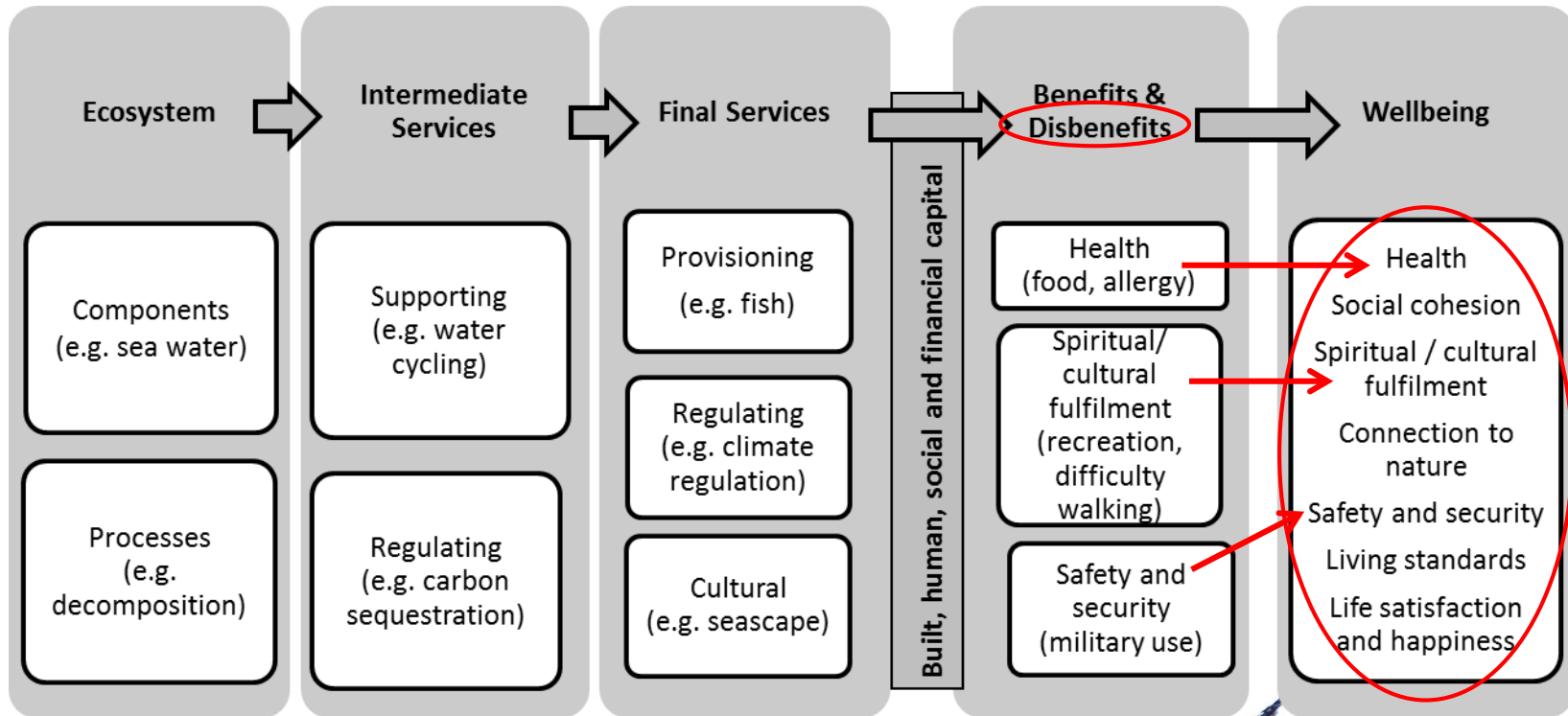


Linking ES and health and well-being: salt marshes case

- **Aims:**
 - i. conceptualize links between ES and human well-being
 - ii. understand ES and (dis)benefits of salt marshes
 - iii. contribution to Wellbeing of Future Generations (Wales) Act 2015
- **Approach:** adapted version of the UKNEA framework with 3 additions
 - a) presence of disbenefits
 - b) domains of human well-being (Smith et al. 2013)
 - c) classification of (dis)benefits (Vaz et al. 2017; von Döhren & Haase 2015)



Conceptual framework: linkages



Feedback welcome

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