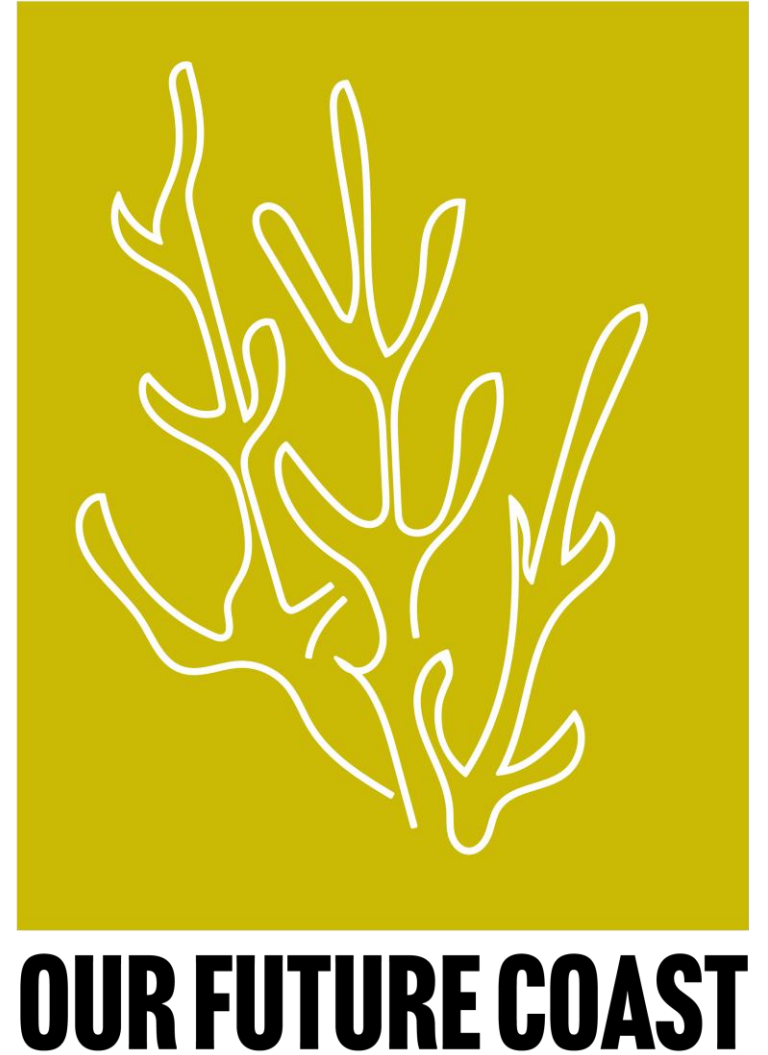


Our Future Coast

Co-Designed Nature Based Solutions

Ellie Brown- Programme Manager

Amy Collier- Assistant Programme Manager



Our Future Coast

- Coastal Communities are at the frontline of the climate challenge
- It is unsustainable and undesirable to continue to pour concrete and place rocks on our coastlines, so we need to improve how we work with nature
 - Saltmarsh, Dune & Hinterland Wetland creation/improvement schemes
- The essence of our approach is designing nature-based solutions together with our communities, putting them at the heart of Our Future Coast



Flood and coastal resilience innovation programme

Part of the £200m
Flood and coastal innovation programmes

1 of the 25 Flood & Coastal Resilience Innovation Programmes



Our Future Coast-Objectives

1. Community Resilience – Engagement & Communications
2. Nature Based Solutions Test & Trials
3. Monitoring and Evaluation
4. Adaptation Pathways
5. Changing Practice & Policy
6. Dissemination



Our Future Coast- Sites

- 7 Local Authorities & 8 Core ENGOS
- 14 Sites along the NW coast
 - Saltmarsh, Dune & Hinterland Wetland creation/improvement schemes



Working with nature to safeguard coastal communities



Hest Bank- Problem



2006



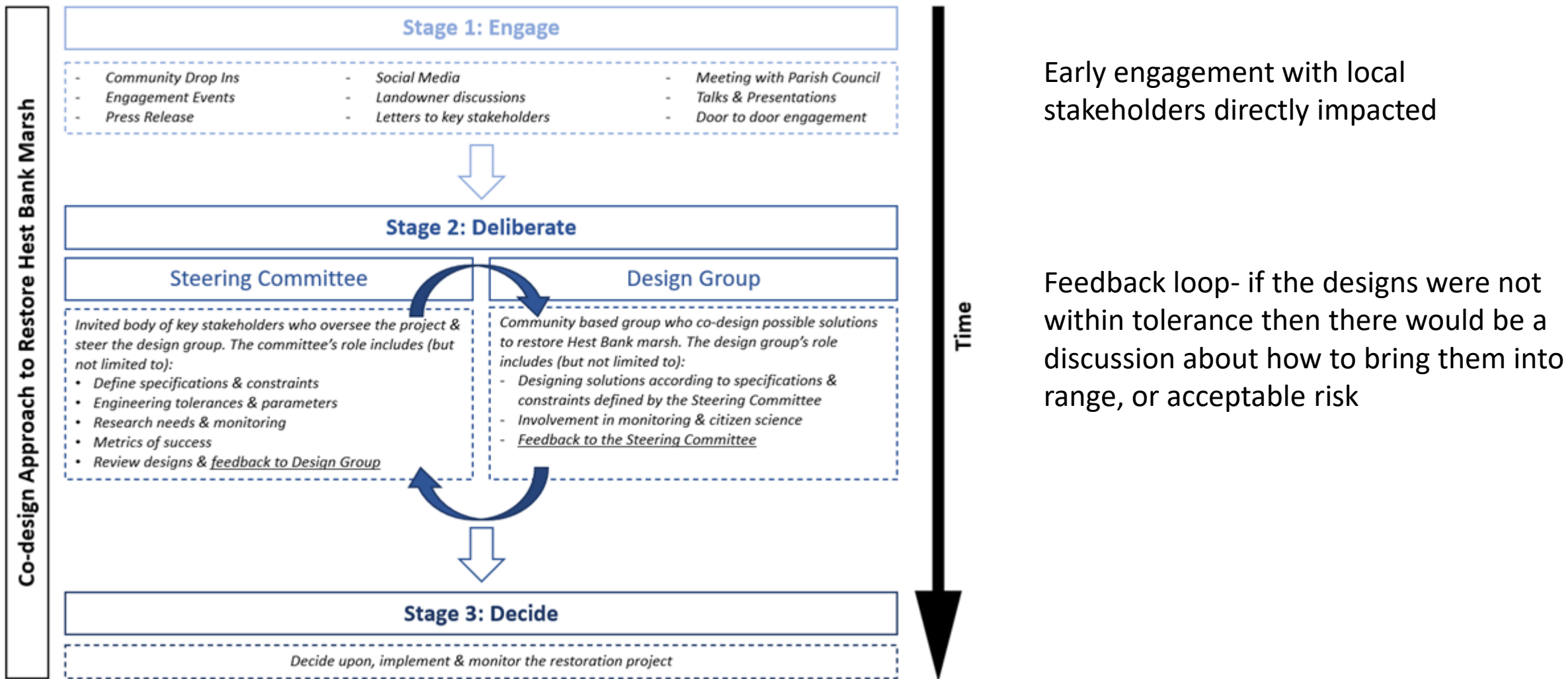
2019

Hest Bank- Co-design

Site Aim: To regenerate salt marsh to protect assets using codesigned solutions

Successful co-design in an SPA/SAC/SSSI/Ramsar area

- Steering Group of professionals which included:
 - Natural England
 - Lancaster City Council Planning officer
 - United Utilities (pumping station nearby)
 - Network Rail (West Coast Mainline abuts the site)
 - Parish Council (Landowner)
 - Lune Rivers Trust
 - Lancaster University
- Steering group produced a specification which then took to the design committee
- Design committee of local stakeholders including landowners and interested local people
 - The better the design workshop construction, the higher the quality of the outputs



Hest Bank- Design Committee

Speakers

- Lancaster University- Dr Suzi Illic and Dr Serena Pollastri
- Ray Lawrenson – Siskin Asset Management

Prompts

- Photographs of site taken on the day
- Historic coastal defence inspection photographs
- Maps/aerials



Hest Bank- Build & Install

- Rope making workshop x2 (2nd & 3rd August)
- Willow weaving workshop x2 (August 5th & 6th)
- Thatching workshop x2 (12th & 13th August)
- Siskin workshop x2 (16th & 17th September)
- Deployment Workshop (23rd September)
 - included a visit and recording for the Morecambe Bay Podcast
- BESE workshop x2 (7-9th October)
<https://youtu.be/yk7WXiOkrKU?si=OeqfX5HWPxxkT6JM>
 - Our Future Coast team building day

- Upskilling local people
- Thatching techniques
- Traditional rope and knot making
- Willow weaving



Hest Bank

- Monitoring using Arc GIS and photographs as well as the radar stations
- 3 completed Masters thesis on work at Hest Bank with a fourth on going
- More information about the workshops and the BESE grids can be found here: www.lancaster.gov.uk/ofc

