

Accelerator

- Funded from the Government's Shared Prosperity Fund - £310k towards the 'Communities and Place' theme.
- Six scoping work packages that lead to bigger new projects including direct roll out of findings/recommendations
- SPF reporting line E11: 'Capacity building & infrastructure support local groups' (£155k)
- SPF reporting line E14: 'Funding to support relevant feasibility studies' (£155k)



WP1 - Scope ways to progress the development of early warning flood systems to those at risk within West Yorkshire

(Led by Prof Cathryn Birch and Dr Sarah Jenkins, supported by Dr Sam Ramsden)

WP2 - Determine suitable methods to support expansion and implementation of green social prescribing schemes to be combined with natural flood management and sustainable urban drainage systems activities within West Yorkshire.

(Led by Prof Piran White, supported by Dr Peter Coventry, Prof Neil Lunt and Dr Laura Harrison)

WP3 - Undertake a green financing workshop to explore how such financing might support flood resilience.

(Led by Prof Iain Clacher & UK Centre for Greening Finance & Investment, supported by WaterLANDS green finance officer)

WP4 - Collate flood source identification datasets with other spatial data sets to provide new insights for the benefits of planning on a system scale.

(Led by Dr David Dawson, supported by Dr Steph Bond)

WP5 - For one river catchment in the region combine social, economic and environmental spatial data and existing opportunity mapping to identify priority areas for investment in flood-related nature based solutions

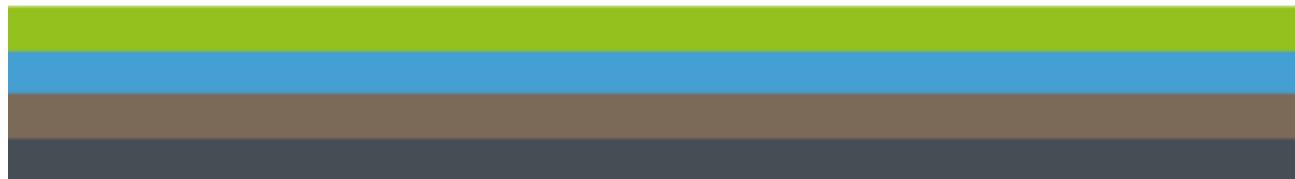
(Led by Dr Steve Carver supported by Dr Cat Scott, Dr Jonathan Carruthers-Jones, Dr Jonny Huck, Prof Joseph Holden and Dr Steph Bond)

WP6 - Scope evidence and data collection to further our understanding of the role that land use and agriculture can play in addressing flood benefits, including trade-offs

(Led by Dr Steve Carver supported by Dr Cat Scott, Prof Pippa Chapman, Prof Joseph Holden and Dr Steph Bond)



WP1 Flood Early Warning Systems



WP1 – Flood Early Warning Systems

Aim: Provide recommendations for how to improve FEWS provision for (e.g.) at risk local communities and organisations.

Activities

- Document the state-of-the-art in FEWS capability and communication methods used internationally, nationally and locally within WY.
- Engage with various local stakeholder groups to establish key needs and appropriate communication routes for FEWSs.
- Make recommendations for (a) improvements to existing national and local FEWS capability and (b) how to ensure national and local information remains integrated and consistent.
- Feed into on-going projects with the MO, FFC and EA that are working to improve national flood forecast provision and warning communication.



WP2 Opportunities for green social prescribing



WP2: Opportunities for green social prescribing

Piran White, Laura Harrison, Pete Coventry, Neil Lunt

Aim:

- To explore the opportunities for green social prescribing (GSP) to be combined with NFM and SuDS activities within the West Yorkshire Combined Authority area

What is green social prescribing?

- The practice of supporting people in engaging in nature-based interventions and activities to improve their mental health.



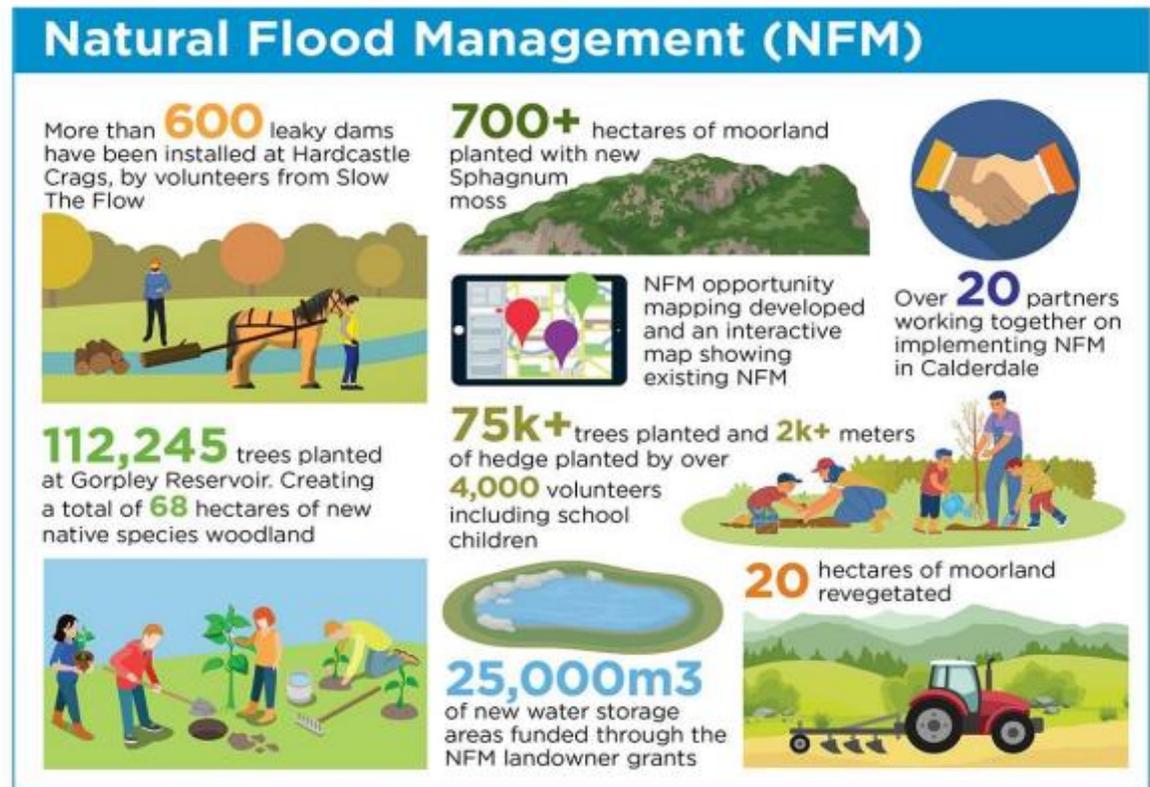
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YESI

Opportunities for GSP through nature-based solutions for flood management

- Achievements of Calderdale Flood Action Plan
- Many activities involve volunteers working in nature-based activities



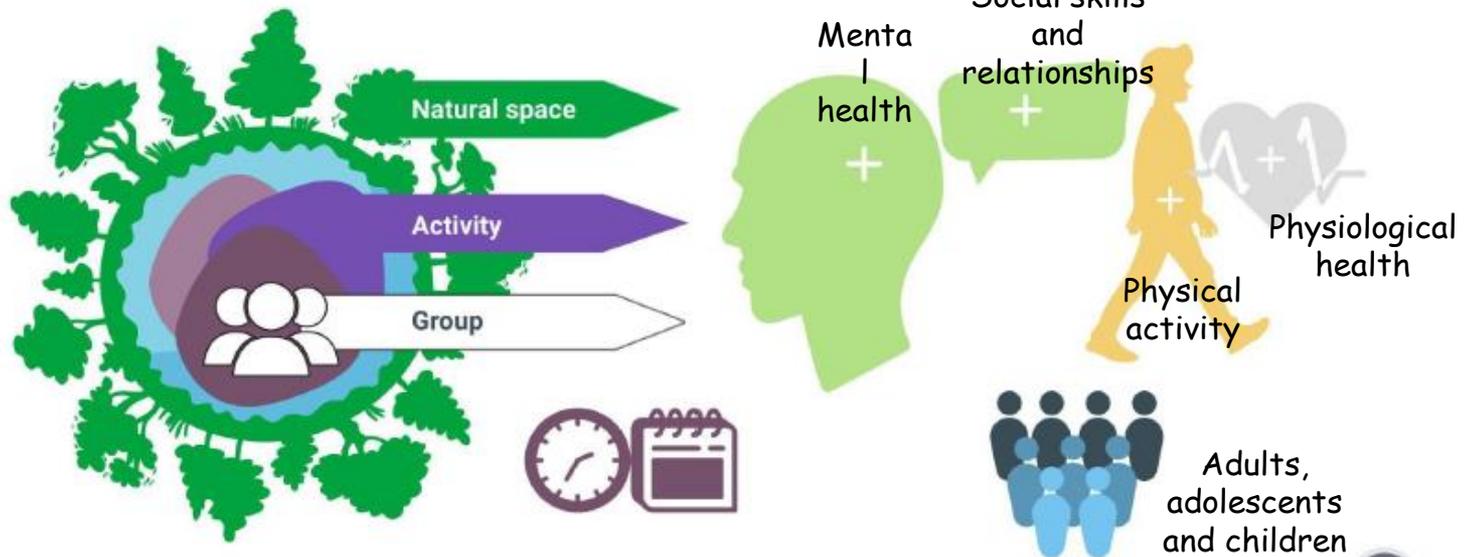
All figures are correct as of September 2021

Source: Calderdale Flood Action Plan (2022)

How can nature-based activities influence health and wellbeing?



All nature-based interventions



Source: Harrison et al., 2023

From 12 systematic reviews published 2017 - 2022

Planned activities

Review

- To identify existing GSP initiatives and NFM activities across the region and use of GSP in existing referral pathways in nearby areas

Interviews

- To identify needs and connect health professionals with NFM practitioners to explore barriers and opportunities across GSP and SuDS/NFM activities

Linking and support

- Work with one or two SuDS/NFM schemes, linking them up with other parts of the prescribing pathway

Evaluation

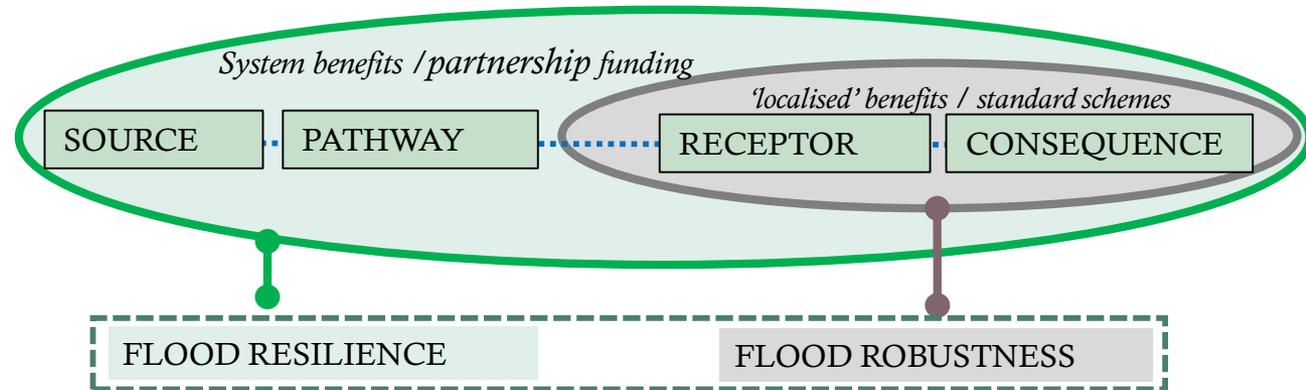
- Potential evaluation of pilot schemes using an established protocol developed for evaluation of the Humber and North Yorkshire GSP initiative



WP4 developing & embedding system-based FRM in climate ready planning

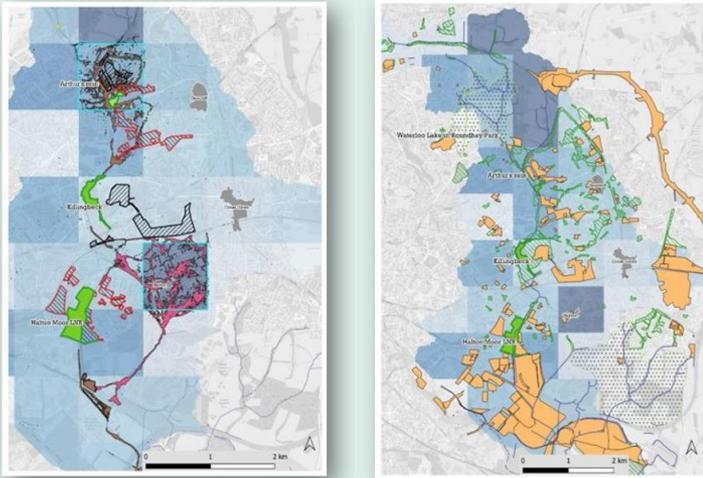


WP4 DEVELOPING & EMBEDDING SYSTEM-BASED FRM IN CLIMATE READY PLANNING



WP4 DEVELOPING & EMBEDDING SYSTEM-BASED FRM IN CLIMATE READY PLANNING

Where this comes from... Wykebeck Phase 1



Things we identified it could do...

- A study phase tool for strategic prioritization
- Time saving in partnership funding hunt!
- Earlier negotiations of section 106 contributions & growth funding
- Derestricts the prescribed approach to option selection.

WP4 DEVELOPING & EMBEDDING SYSTEM-BASED FRM IN CLIMATE READY PLANNING

Team: David Dawson (Costed @ 10 days), Steph Bond (costed @ 4.5 months)

OBJECTIVES

1. Identify areas for **flood source mapping** across WYCA, & connect to **economic impact estimation** (e.g. properties & roads)
2. Manipulate spatial data sets to support **partnership opportunity identification** (SAPs etc); determine method for **prioritisation/categorisation of options**
3. Develop **case studies**, establish **practical approval**, and synthesise findings for **wider dissemination**.

DELIVERABLES

1. **New maps** to identify opportunities/economic benefits to manage flood risk at source as well as at hazard
2. An approved approach to use source maps in **regional adaptation planning & prioritisation**
3. **Evidence for business case 'portfolios'** for climate ready planning (and prioritisation).
4. Synthesis report for **wider dissemination** across WY.

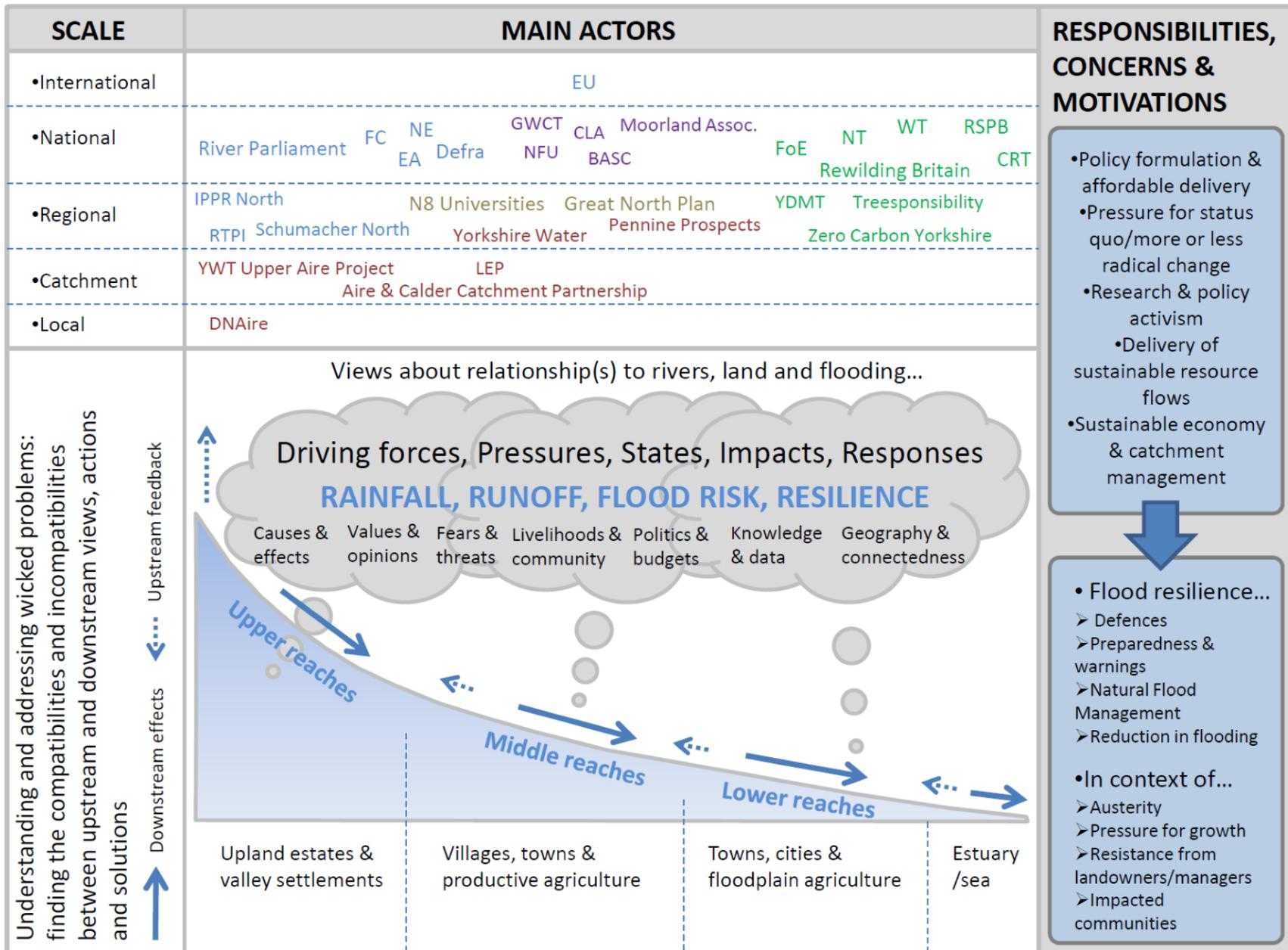


WP5 Opportunity Mapping



Background

- Rivers as one-way systems?
 - Source to sea
 - Downstream flows
- Rivers as two-way systems?
 - Downstream flows
 - Upstream and downstream consequences
- "Social Thalweg"
 - Complex interactions of actors, scale, responsibilities, concerns and motivations associated with flooding and its causes/effects
 - "wicked problems" and conflicts of interest requiring holistic solutions
 - DPSIR approach?

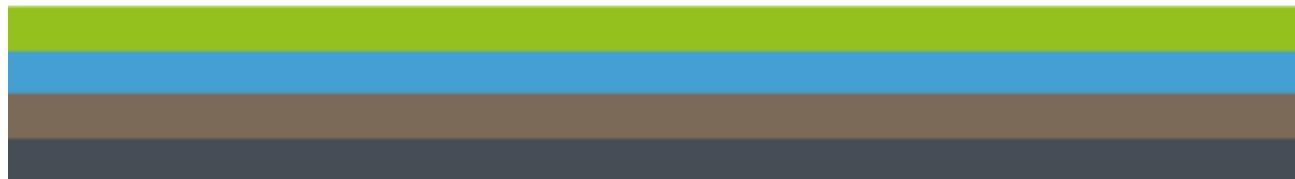


Aims

- Apply concept of social thalweg using Participatory GIS (PGIS) to develop spatial collaborative working with stakeholders up and down the River Aire catchment
 - Develop dialogue
 - Online and face2face PGIS tools (Paper2GIS and Map-Me)
 - Evaluation of NbS, NFM and SuDS proposals
 - Identify conflict/consensus



WP6 Trade-off Analysis



Background

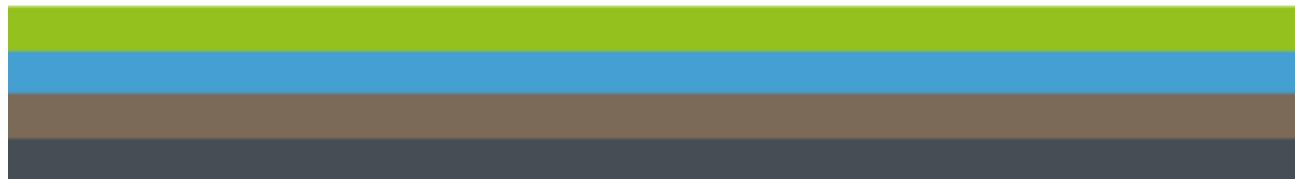
- Catchments (and their rivers) as basic spatial unit
 - Interaction between geographies of topography, climate, land use settlement, infrastructure, etc.
 - Defining possibilities/potentialities of flood policy and management approaches and trade-offs that will ultimately be required
 - Satisfying multiple demands across multiple spatial scales and contextual settings

Aims

- Develop desk-based GIS-MCE (multicriteria evaluation) demonstration tool for identifying spatial conflict(s) in catchment planning and management
 - Catchment-wide spatial inventory
 - Spatial models of factors and constraints (optimisation and realisation)
 - Apply weights/priorities (from WP5) to identify patterns and trade-off positions in R.Aire catchment
 - Explore need/demand for web-based decision support tools using Web2.0 tools (e.g. WEIGHTER)



Accelerator project discussion



WP1 – Flood Early Warning Systems

1. How is flood risk currently communicated to your organisation?
2. What barriers/problems have you encountered with current flood warning information?
3. How would you like to see them improved?

WP2 – Opportunities for green social prescribing

1. Are there any SuDS/NFM initiatives in the region that are already linked in with GSP?
2. Are there any organisations here that are keen to develop GSP activities?
3. Are there any areas within the region where GSP is used regularly as part of social prescribing?

WP4 – system-based FRM

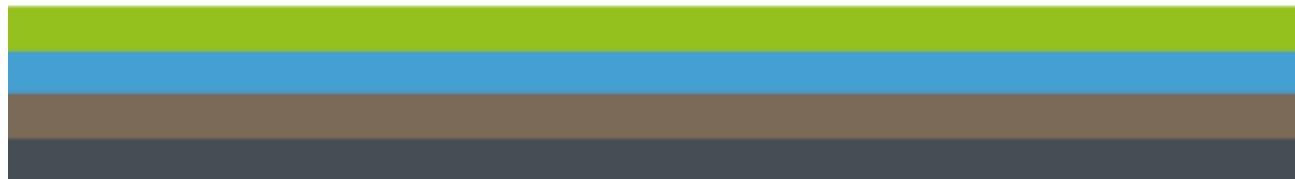
1. Which locations may be worth examining (e.g. in study phase?)
2. What 'evidence' is useful for supporting future business cases?
3. How can we use the Strategic Allocations Plans better in connection with FRM?

WP5 – Opportunity mapping & WP6 – Trade-off analysis

1. Is the Aire is the right catchment for us to focus on?
2. Is mixing the WP5/6 spatial methods with participatory approaches (online and face2face) a good idea?
3. What kinds of issues might we expect people to raise (e.g. the Hebden bridge residents blaming the upstream grouse moor owner/managers for their local flooding problems)?



Feedback, conclusions and the future!



Emerging themes discussion

Event Feedback



Thank you for coming to our AGM!

If you have any questions about the programme, potential ideas, or would like to get involved, please email iCASP via iCASP@Leeds.ac.uk

- Please leave your name badges on the tables