



# West Yorkshire Flood Innovation Programme (WY FLIP) Roadmap – May 2022

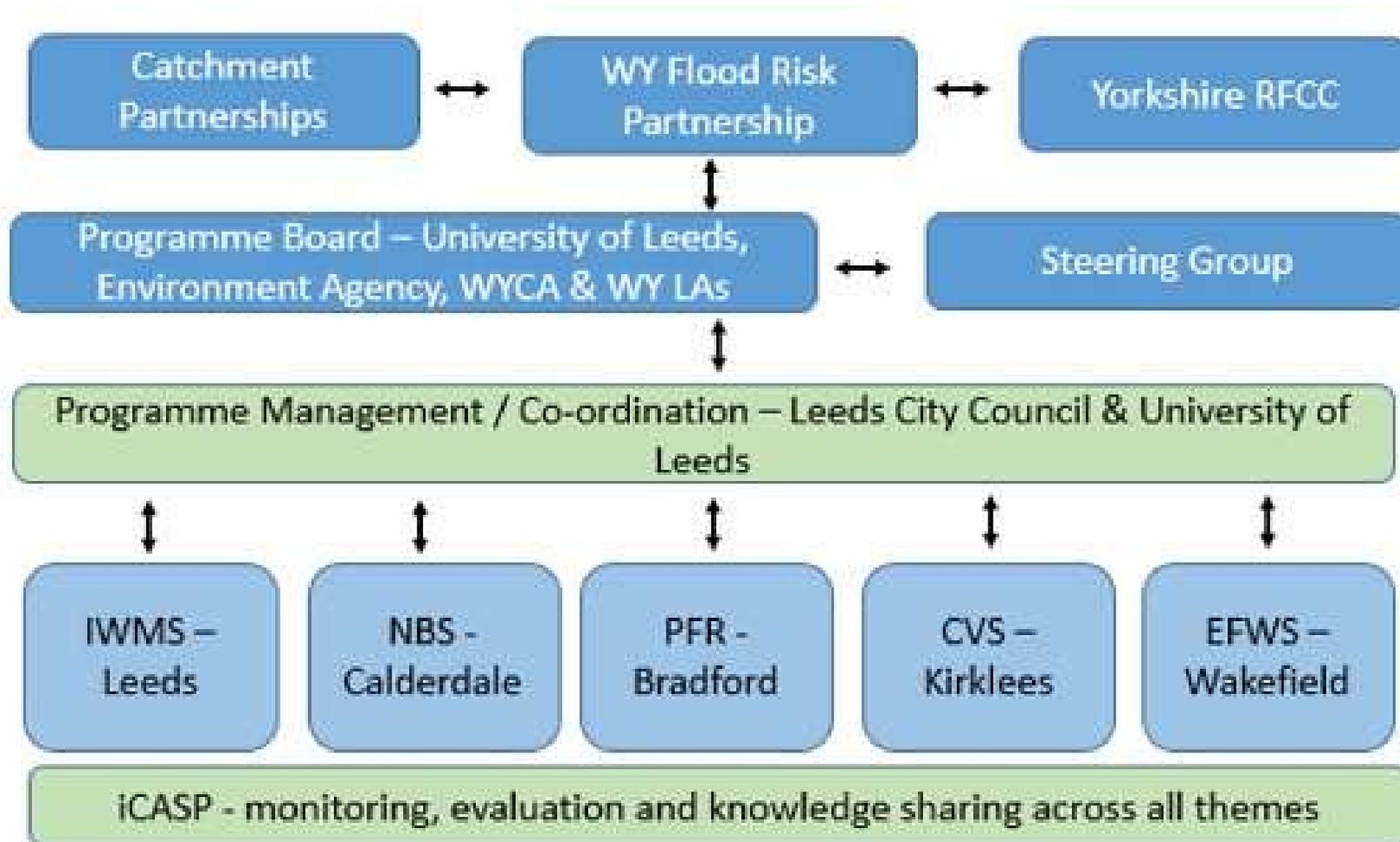
## Steering Group – 26.05.22



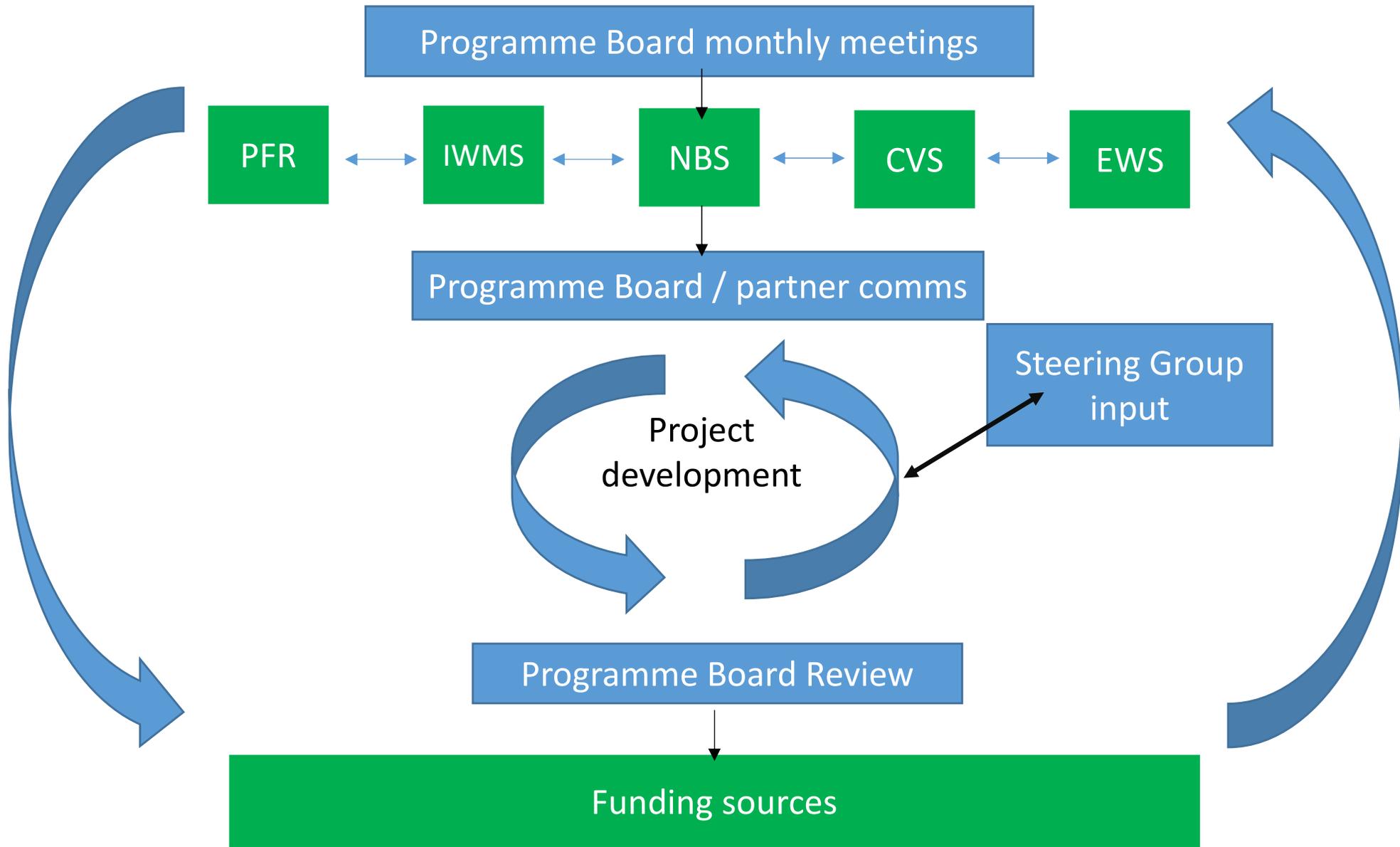
# Introduction

- **Collaborative programme**, local authorities working with academia, industry and third sector, to increase the resilience of the region to flooding and the impacts of climate change
- Focus on **innovative solutions**
- RFCC funding **2 years** to start WY FLIP and secure more funding
- Attract **significant investment** to the region for innovative resilience initiatives

# Introduction

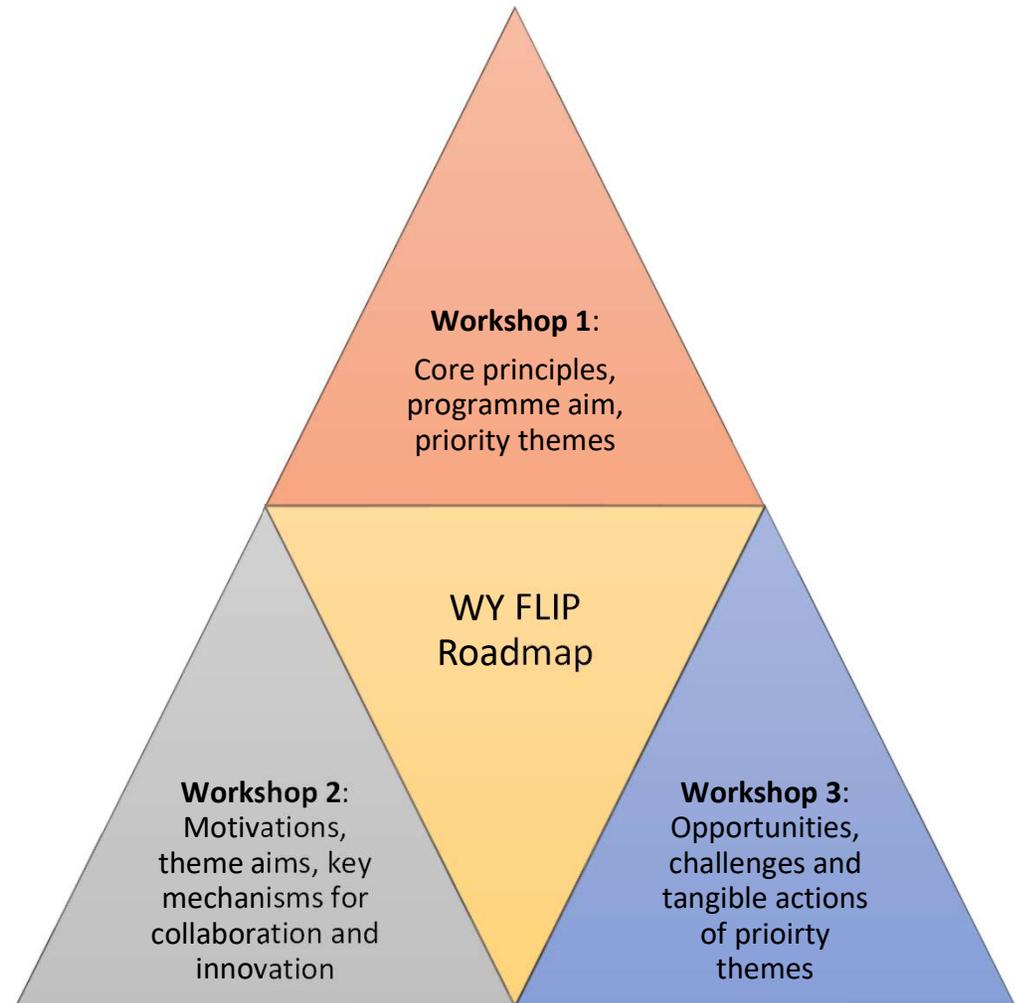


# Ways of working



# Collaborative foundation of the roadmap

- Content collaboratively created through three workshops.
- Partners from wide range of sectors consulted including:
  - Planning
  - Public health
  - Finance
  - Community and voluntary sector
  - Flood risk management authorities
  - Academia
  - Private sector
- Represents the aims, opportunities, challenges and tangible actions identified by its partners at this initial stage of the programme.



# Programme Aim

- Increase the region's resilience to flooding and impacts of climate change
- Foster collaborative working between local authorities, the environment agency, academia, industry and the third sector
- Embed the latest research in its activities
- Attract significant investment to the region for innovative flood resilience activities

# Priority Themes

The Programme addresses flood innovation through five priority themes

1. Integrated water management solutions (IWMS),
2. Nature based solutions (NBS),
3. Property flood resilience (PFR),
4. Helping the community and voluntary sector (CVS) to be better prepared and recover more quickly
5. Enhanced flood warning systems (EFWS)

# Overarching Principles

1. Empowering local communities
2. Developing education and skills across West Yorkshire communities at risk from flooding and climate change
3. Transferring knowledge by building on existing partnership and networks, peer to peer support, co-production and developing new innovation
4. Monitoring and evaluation of activities and outcomes

# Programme management, sustainability and timeline

- Attract partners and funding across the region
  - communicate and promote key messages about the Programme to a wide audience of partners and potential collaborators
  - Initially through roadmap outputs
- Funding models
  - Academic funding (knowledge translation, impact, policy, partnership)
  - Regional local levy funding
  - National government funding
  - Cross sectoral funding
- Timelines
  - RFCC funding until March 2024
  - Attract funding for at least 6 years
  - Continue for as long as the programme attracts funding and delivers meaningful outcomes

# How the Programme will achieve its aims and principles

- Delivering tangible work
- Partnership working
- Accessing new funding streams
- Knowledge sharing
- Monitoring and evaluation of outcomes

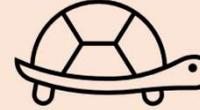
# Delivering tangible work

## Opportunistic projects



- Provide resource to write bids and secure funding
- Make connections between partners
- Use its academic network to incorporate latest research and expertise
- Provide a library of existing work and lessons learned
- Facilitate meetings and workshops to bring together partners from different sectors
- Share information about funding opportunities amongst partners

## Strategic projects

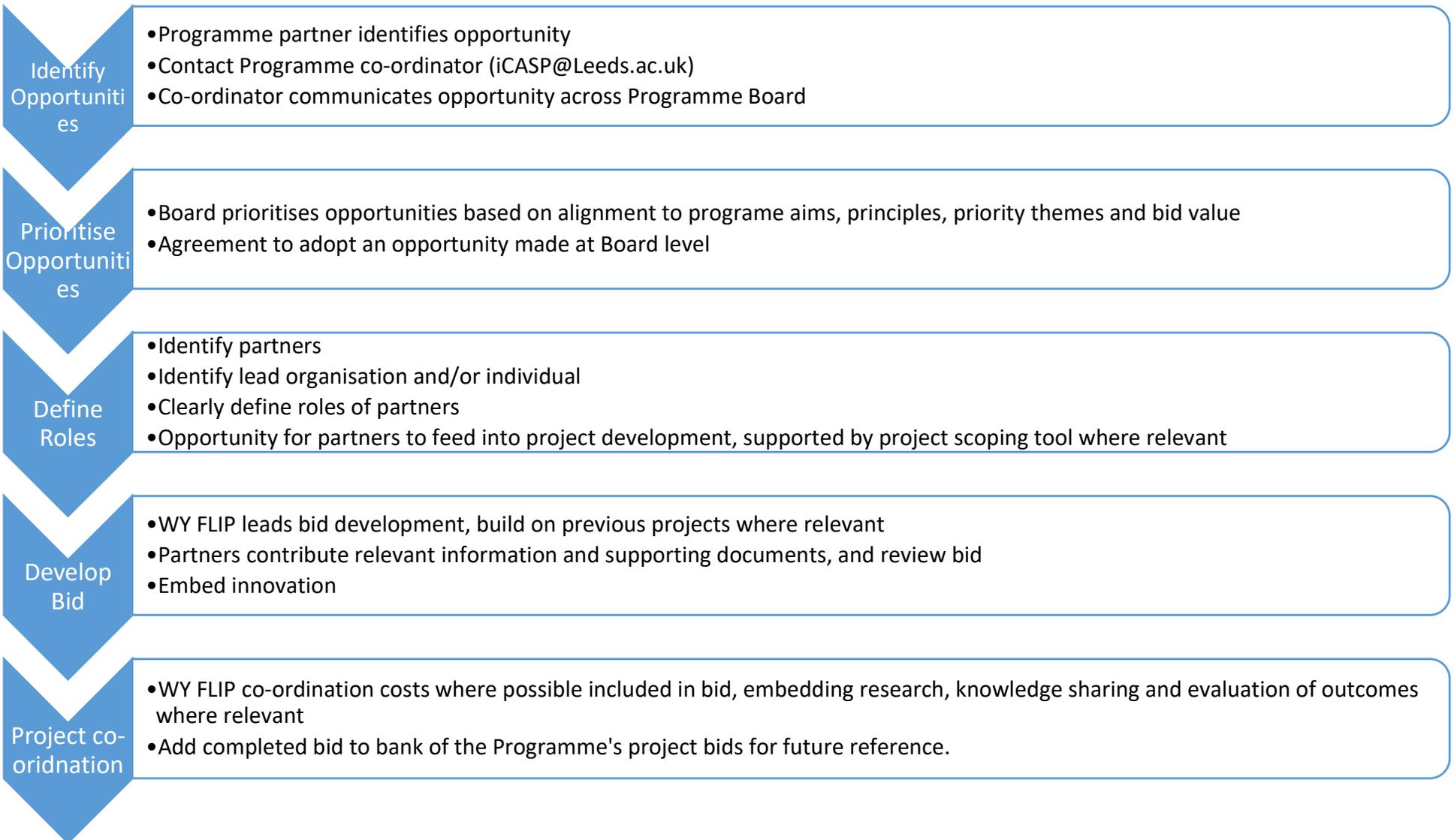


- Strategically build on existing relationships between partners, communities and landowners using existing networks and building new relationship where there are gaps
- Take a strategic approach to connect different parts of the catchment, e.g. linking upstream farmers with downstream communities
- Take a bottom up approach to community flood resilience. Build relationships with communities, allow communities to identify their own priorities and develop a joint vision for flood resilience.
- Identify and address knowledge gaps through feasibility studies, pilot studies and new research
- Provide the tools needed to make strategic decisions at a regional level, such as opportunity mapping or systems models
- Further the use of digital technology to manage flood resilience, for example by linking with existing smart city and Internet of Things agendas.

# Partnership working

- By engaging with a wide range of sectors the programme will facilitate collaboration beyond organisational boundaries.
- Build on existing relationships, networks and connections
- Speak a common language
- Build (on) relationships with
  - Communities
  - Landowners
  - Developers, insurance industry and other sectors not primarily involved with flood risk management
  - Private partnerships

# Partnership working



# Knowledge sharing

## Focus:

- Sharing local community and voluntary expertise;
- Building on best practice and existing networks to ensure peer-peer learning;
- Linking to West Yorkshire Combined Authority sub-regional work on flood resilience
- Utilising and integrating the latest academic research
- Monitoring and evaluating the activity of the programme to facilitate knowledge sharing

## Mechanisms:

- Regular updates to partners of key activities
- Periodic lesson learnt documents
- Updating at regional partnership forums
- Annual conference event
- Establish working groups for the five priority themes to link to academia
- Facilitate workshops and working meetings which bring together partners to work on specific actions

# Opportunities and challenges of IWMS, NBS & NFM

## Build on existing partnerships

- ✓ The programme will use and enhance existing networks and partners to build on success in the region
- ✓ To enhance partnership working the Programme will take a leading role in co-ordinating activities in the region and making links between new and existing programmes.
- ✓ The programme will empower communities by building relationships and engaging at the earliest possible stage

## Enable multiple benefits to be realised

- ✓ The programme will provide strategic oversight to allow multiple benefits to be realised.
- ✓ The programme will support decision making and find cross-sectoral funding opportunities by:
  - taking a systems approach
  - mapping opportunities across sectors
  - strengthening the business case for multiple benefits.

# Opportunities and challenges of IWMS, NBS & NFM

## Enable health and wellbeing benefits of NBS to be realised

- ✓ The programme will collaborate with the health sector to create opportunities and provide infrastructure to enable mental health and wellbeing benefits of NBS/NFM and SuDS to be realised.

## Planning, governance, long term funding and management

- ✓ The programme will review and address gaps around:
  - Regulation for design and construction of NBS
  - Ownership and maintenance of NBS
  - Planning and Consenting requirements of NBS
  - ELMS

# Opportunities and challenges of PFR, CVS & EFWS

Effective communication and information sharing

Enable access to affordable PFR resources

- ✓ The programme will enable affordable practice by providing necessary information and communication channels to access resources
- ✓ Promote coordination and collaboration between community members and relevant organisations to pool resources toward increase property resilience and coordinate their work

Reform the role of the insurance industry

- ✓ The programme will promote effective collaboration with insurance industry by fostering dialogue between governmental organisations and the industry to ensure affordable access to premiums and ensure that small businesses are accommodated in such arrangements.
- ✓ Promote research and innovation toward better valuation of resilience measures towards insurance practice

# Conclusion

- Collaborative, innovative solutions for flood resilience
- Attract and initial £10m of funding to the region for innovative resilience activities
- Partners have ownership of the programme
- The roadmap will be periodically updated as the programme develops
- Foundations to deliver tangible actions across the five priority themes

# First steps..

- Steering Group set up
- Projects:
  - 6 research and revenue projects (WYCA)
  - Surface water / climate change engagement (Met Office)
  - SuDs in schools (DfE)
  - PRF review project (BDMC / LCC)
- Ideas / update format going format?

If you have any questions about the programme or would like to get involved please email iCASP via [iCASP@Leeds.ac.uk](mailto:iCASP@Leeds.ac.uk)

Thank you for listening!