

Welcome to the Northern branch of Women in FCERM (WiFCERM)

20th May 2021

Slido

Ask us any anonymous question throughout the presentation and we'll answer at the end.

- Instructions for use:
 - Go to the slido website <https://sli.do>, (or simply google Slido)
 - Enter the event code: **#LaunchEvent**
 - Ask away!

Joining as a participant?

Enter code here



- To consider:
 - How would you use this network?
 - Does this lunchtime slot work for you to contribute and join events like this?
 - Are our objectives clear and have we missed anything?



Agenda

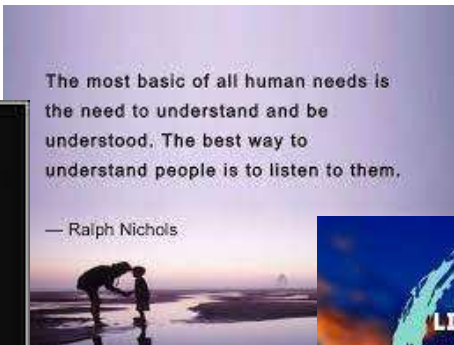
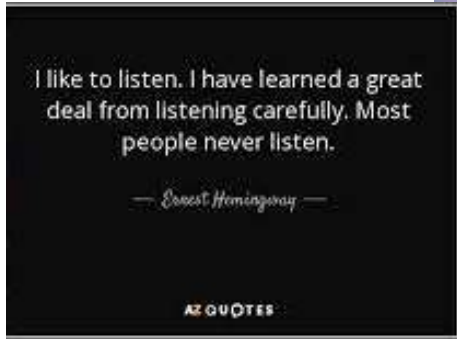
- Welcome – wellbeing moment
- National WiFCERM – Clare Dinnis Environment Agency Area Director
- Northern WiFCERM – why?
- Who are the Northern Committee?
- Showcase of Projects in the North
- Q & A, contribute and get in touch

Wellbeing moment

About Active Listening

In order to do this you must pay attention to the other person very carefully. You cannot allow yourself to become distracted by whatever else may be going on around you, or by forming counter arguments while the other person is still speaking. Nor can you allow yourself to get bored, and lose focus on what the other person is saying.

Tip: If you're finding it particularly difficult to concentrate on what someone is saying, try repeating their words mentally as they say them. This will reinforce their message and help you to stay focused



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This went on for a while!!

National WiFCERM Committee

Clare Dinnis Area Director Environment Agency



**THE WOMEN IN FCERM GROUP
MENTORING PROGRAMME**
INFORMATION FOR MENTORS AND MENTEEES



HOME ACTIVITIES NEWS RESOURCES

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COMMITTEE
CONTACT US



“Bringing together people across the country at regional and virtual events to network, share issues and seek advice on your career development.”

OUR VISION

The first thing Women in FCERM did was provide a route for connection between women, and those who support them, across our sector. We first came together at Flood and Coast 2018, with an open, honest and incredibly inspirational conversation which has never really stopped. It highlighted the need for connection across the sector and the commonality between the challenges we face.

The majority of individuals leading in the FCERM sector are men. We believe that a better gender balance will not only encourage more balanced leadership and governance but will further contribute to enhanced performance. Numerous reports explain the benefits of gender diversity at every level in our organisations. Key amongst these are: reduced turnover and increased engagement / performance as employees report higher job satisfaction levels; improved reputation attracting customers and new talent; true representation of your customer base; and a wider talent pool from which to draw.

We want to influence senior leaders to support and sponsor the initiative building on the benefits of increased gender diversity to encourage our people to thrive and do all they can to evolve and advance our sector.



OUR FUTURE AMBITIONS

We are pulling together the evidence to support how WIFCERM develops in the future. We are currently gaining feedback from our mentoring pilot, events and surveys to form a plan for Women in FCERM in the future.

We are looking at other similar initiatives already in place for other sectors or indeed parts of the FCERM sector – Women in Rail, Women in Planning, Women in Engineering etc. In addition other organisations – such as ICE – have their own sub-groups supporting women’s development.

An important part of our future work will be talking to the employing organisations of our members. They already offer their own support to their employees and if we are to secure their support we need to understand their views and needs. We will also talk to other development organisations, professional institutions and initiatives linked into our sector.



Follow

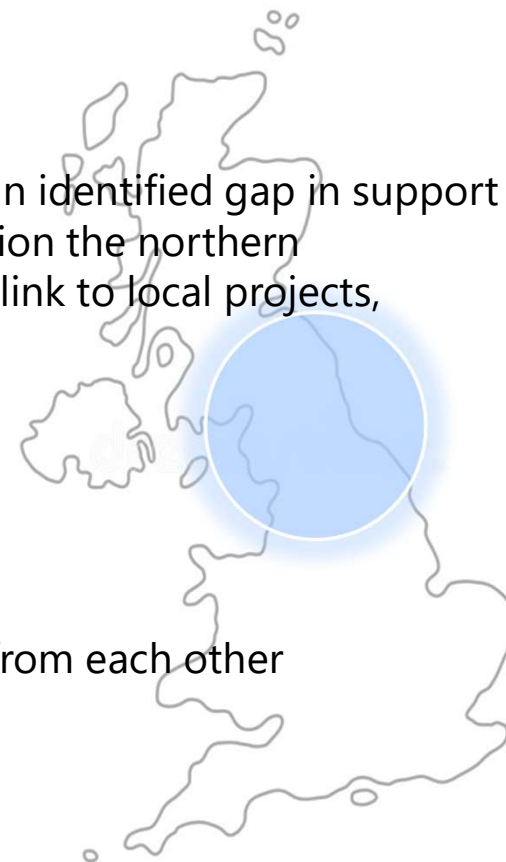
What is the Northern WiFCERM?

- **Northern WiFCERM** - Local area branch of the National WiFCERM.

The Northern WiFCERM committee is inclusive to all, but originates from an identified gap in support and togetherness for FCERM in the north of England. It is set up to champion the northern powerhouse initiatives, maximise opportunities for economic growth, and link to local projects, schemes and strategies.

Our purpose is to:

- Provide a networking and learning platform for the FCERM industry
- Enable individuals and organisations in the industry to learn and grow from each other
- Make FCERM an aspiring sector to be a part of
- Be visible and create virtual hubs to bring people together
- Provide support for everyone
- Champion the initiative of integrating women in the industry rather than segregating



Our mission

Our mission is to provide opportunities across the north to support, collaborate and network with others in FCERM, as a branch of the national WiFCERM initiative.

Our objectives

- To host or facilitate networking events for those across the FCERM sector quarterly
- To showcase northern FCERM projects or initiatives quarterly via events or blogs
- To supporting people to pursue a career in FCERM through reaching out and liaising with northern education bodies, using career days and communications
- To work with the national WiFCERM team to facilitate the provision of mentoring opportunities
- To set up hubs online where people are able to network virtually around the times of events

Introduction to the committee

Kimberley MacPherson
Environment Agency

West Yorkshire Operations Manager
As the Asset Owner for all EA flood assets in West Yorkshire, I manage our Asset Management Teams and Field Operations Teams.
I am a Chartered Civil Engineer that started out in Environment Management. I have spent most of my career in Asset Management, delivering capital flood risk management schemes and improving the reliability and resilience of our assets.
I am supporting WIFCERM because I truly believe if you want to be something, you have to be able to see it.



Clare Mills
Jacobs – High Speed 2

Associate Director
I am a Chartered Engineer, Environmentalist and water and environmental manager. I started in private consultancy working on infrastructure projects. I have worked in the EA, LLFA and now work as the flood risk lead on High Speed 2 responsible for technical assurance. I have worked across the whole remit of FCERM throughout my 20-year career including project management, engagement, scheme delivery, cost/benefit and planning.
I am supporting WIFCERM to support equality and diversity in this fantastic industry.



Lucy Archer-Lock
JBA Consulting

Analyst
As a Flood Risk Analyst at JBA Consulting, I have gained experience in a wide range of fields in flood risk management, including Hydrology, Hydraulic Modelling, Strategic Flood Risk Assessments and Property Flood Resilience, working with both private and public sector clients.
I am supporting WIFCERM because I believe FCERM is a great sector to be a part of, and think it is important to have a platform to support everyone who is part of or wants to be part of the sector.



Thomasin Sayers
JBA Consulting

Flood Risk Analyst/Team Leader
I have worked in JBA's office in Skipton since 2019 and became in a Team Leader in 2021. I work in local flood risk management, including policy, planning, SuDS and strategy development. I am working towards my chartered status with CIWEM.
My experience in flood risk management spans across all sectors, as I previously worked for the National Flood Forum and Sefton LLFA.
I am supporting WIFCERM to create a network in the north for collaboration and sharing and to make FCERM an aspiring career path.



Elizabeth Lowe
Environment Agency

FCERM Capital Project Advisor
I am a Civil Engineer and Project Manager in FCERM providing advice and guidance to Local Authorities delivering FCERM Capital projects. I have several years experience ranging from delivery of capital projects to partnership engagement, planning and policy and specialist in SuDS as an LLFA at a County Council. Previously I spent thirteen years as a designer and project manager delivering bridges and structures projects.
I am supporting WIFCERM to enhance a platform to learn, provide support and create a strong network for colleagues in the sector.



Laura Makeating
Lancashire County Council

Principal Flood Risk Officer/Manager
I am a Member of the Executive Board for the Association of SuDS Authorities (ASA). I began my career at Lancashire in 2011 as a planning officer specialising in environmental issues, before moving into flood risk management and five years as Merseyside's Flood Risk Coordinator leading the FCERM Partnership and work with the Liverpool City Region. I returned to Lancashire in 2020 where I today manage the strategy, policy, planning and partnership aspects of team business.



Lisa Killick
Environment Agency

Development Planning & Permitting Specialist
I joined the EA in 2001 working in FCERM in various teams across Lincolnshire & Yorkshire. My priority is working with Local Authorities to help deliver their Local Plans & Strategic Flood Risk Assessments. I am also a lead in the South Yorkshire Catchment Plan which aims brings key partners together to build a climate resilient region. I am supporting WIFCERM as I believe that having a range of role models is important to inspire people to make the most of the opportunities available to them.



Laura Bastow
Environment Agency

West Yorkshire Patch Lead for Flood Warning and Engagement
In 2017, fresh out of university, I started as a secretary for the management team at the Environment Agency and have since become the West Yorkshire Patch Lead for the Flood Warning Service. This means I look after all Flood Warnings in West Yorkshire and do key engagement with partners and at flood risk communities to increase our resilience to flood events. I love working in Flood Risk Management and believe we can truly make a difference if we all encourage one another and work together.



Jenny Cooke
Environment Agency

West Yorkshire Flood Risk Manager
I work in the National PCM department delivering Capital flood defence & environmental schemes for the EA. I started my career as a geotechnical site engineer on construction sites, moving to consultancy where I worked as a flood and coastal engineer for schemes both in the UK and abroad. I now work as a Project Executive and Project Team Leader in the EA. I am supporting WIFCERM to share and promote the good work and exciting opportunities for personal & professional growth in this industry.



Jo Arnold
Environment Agency

Calderdale Partnership Manager
I have been working at the EA since 2013 starting on a temporary assignment in the flood resilience team. I have been working in the PSO team for the last 3 years leading a team that works with internal and external stakeholders. Previously I worked in recruitment for almost 20 years. I don't have formal qualifications, however I have been able to utilise my skills I gained from working in the service driven sector. I am supporting WIFCERM to promote the fact that you don't need to be an engineer to work in this interesting and rewarding industry.



The Yorkshire Flood Resilience Pathfinder Project

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Dr Ben Rabb
iCASP Impact
Translation Fellow
(ITF)
at University of
Leeds



Shelley Evans
iCASP Impact
Translation Fellow (ITF)

Senior Flood Resilience
Emergency Planner &
the Northern PFR Hub
Lead for JBA Consulting

1. iCASP
2. Property Flood Resilience (PFR)
3. The PFR Pathfinder Project
4. PFR Assured & next steps



What is iCASP?

Yorkshire's **I**ntegrated **C**atchment **S**olution **P**rogramme (iCASP)

UK Research & Innovation's (UKRI) Natural Environment Research Council (NERC) science translation programme

Aim: harness environmental science to generate £50million+ of benefits to Yorkshire's economy by:

- Influencing investments
- Identifying cost savings
- Creating new products and jobs.



iCASP is HQ'd at the University of **Leeds** & includes scientists based at **York & Sheffield** Universities too

Image courtesy University of Leeds

What is Property Flood Resilience ?

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Resistance measures: *Limit ingress*
Resilient adaptation (recoverability): *Let it in,
and recover*



More than just products!

Being prepared:

Having a plan: trigger, storage, maintenance, deployment

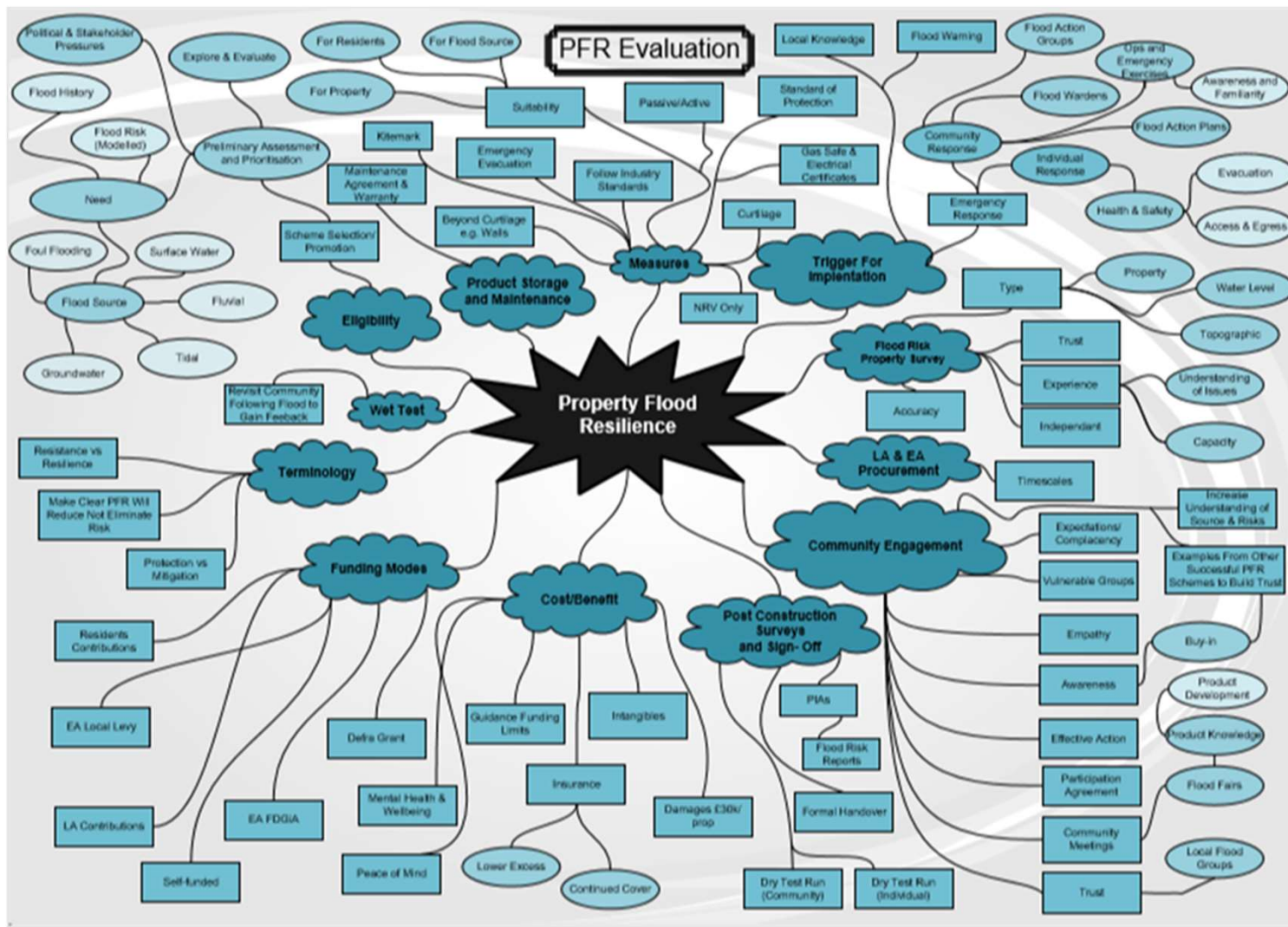
Understanding the plan

Testing the plan

The PFR Pathfinder Project

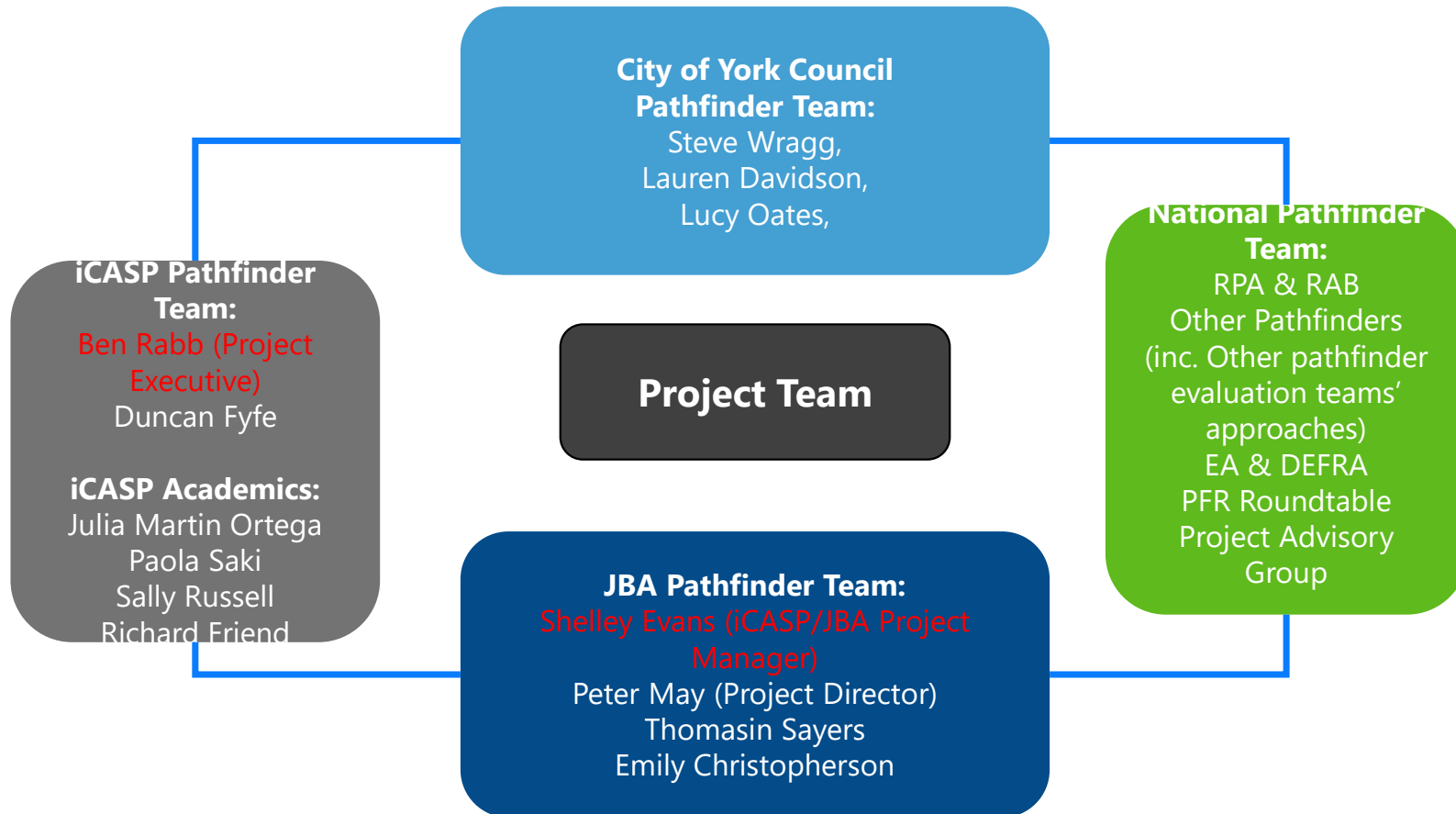
- **Yorkshire Flood Resilience (YFR)**, Property Flood Resilience (PFR) Pathfinder project is one of three Defra commissioned projects running through to September 2021.
- **Project team** is a collaboration of professionals from the private, public and academic sectors
- **Step 1 has been** to establish a baseline - what barriers exist to the uptake of PFR across all stakeholder groups throughout the Yorkshire RFCC region
- **These results have informed activities** to overcome barriers to PFR uptake, whilst monitoring and evaluating the impact of change throughout the project





YFR PFR Pathfinder Team

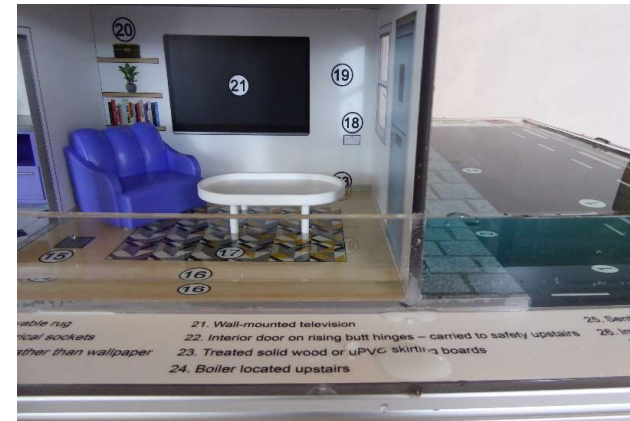
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The Flood Model House



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Yorkshire Flood Resilience Website





Our Flood Resilient Business - Episode 3

Meet Stu, owner of Dales Bike Centre & Cafe to find out how he's adapted his businesses and practices to reduce the impact of flooding.

BLOG










A UK-first Centre for Property Flood Resilience: Engagement and Demonstration
31st March 2021

Floods of Winter 2020/21
22nd March 2021

South Craven Catchment Flood Group
17th March 2021










Flood Resilient Mindsets
8th March 2021

Property Flood Resilience: Where next?
3rd March 2021

Flood risk and planning: We need to learn from the past
24th February 2021







Surface water flooding
22nd February 2021

Saved by a sausage: A case study in community resilience

Living with Water: A podcast tour of flood resilience in Hull

Yorkshire Flood Resilience

Home - Tools and resources - Kids' Space

KIDS' SPACE

Resources and fun facts to help children learn more about flooding.

Our team of researchers at Lancaster University worked with children and young people affected by flooding in different parts of England. We wanted to hear from them what it's like to experience a flood and how it affects families, school and home life. We also wanted to find out their ideas about what more needs to be done to help families prepare for flooding and how to deal with it when it happens. The most important thing the children told us is that everyone should learn about the risks of flooding and what to do if there is a flood. Our team at Lancaster University has created some games and videos, based on the children's experiences and what they said. These will help you find out more about what happens during and after a flood.

Dr Alison Lloyd Williams - Senior Research Associate

Can you help Calum?

The Help Calum virtual reality video, developed by the Environment Agency, the Serious GeoGames Lab, Lancaster University and the University of Hull, shares a boy's experience of flooding through his own eyes. Watch Calum tell his own story of how his family's home flooded and their journey towards recovery. Calum wants to ask you, how would you help?

Help Calum 360 - A game

Help Calum - Flood 360 VR

Flood snakes & ladders


Explore what it's like to experience and recover from flooding and find out more about how it affects people's lives in Lancaster University's Flood Snakes and Ladders game. There are multi-player and single-player versions available. This game is suitable for ages 10+.


Access the Flood Snakes and Ladders game here: [Flood Snakes & Ladders](#) [lanca.ac.uk]


THE REAL STORY

The Real Story: From Risk to Resilience is a series of articles about flood-related issues that have been gathered from across Yorkshire. Addressing property flood resilience, local flood risk, major flood defences in local areas and misconceptions about flooding, The Real Story offers a factual approach to each topic, as well as exploring the development process for local flood defences.

The Real Story discusses a range of flood risk management measures across Yorkshire, from large engineered defences protecting wide areas of Yorkshire within river catchment areas, to nature-based solutions at the community level. Whilst these defences provide a high level of flood protection, no single measure can be guaranteed to prevent flooding entirely. Personal protection still needs to be considered. Property flood resilience delivers a level of reassurance and helps to further reduce the risk of flood damage to your property. The Real Story will help you to see the bigger picture of flood risk management, from your property to your region.










Learning the Lessons of Flooding in York
17th March 2021

Flood Risk Management in Leeds - The Real Story
1st March 2021

Flood Recovery: Where has Covid-19 left us?
17th February 2021








Making your property more flood resilient

The Property Flood Resilience Code of Practice
14th February 2021

Flood Risk Management in Hull - The Real Story
18th January 2021

Managing flood risk naturally
10th December 2020



Our Flood Resilient Home - Episode 02

Meet Katie from Luddendenfoot in the Upper Calder Valley and find out how Katie and her family have adapted their home to make it resilient to flooding.





1. Prototype secure online map database of all **current PFR installations** in Yorkshire
2. Monitor the **effectiveness** of PFR in a consistent way
3. Identify communities and properties that **would benefit from PFR**

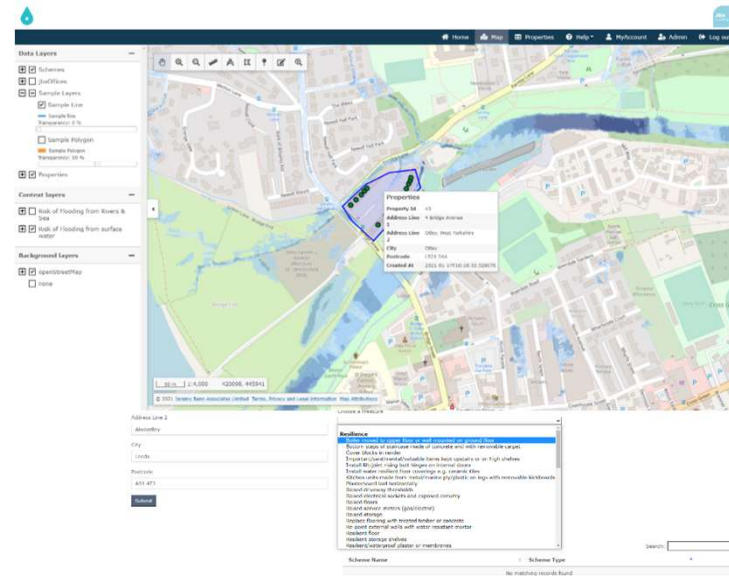
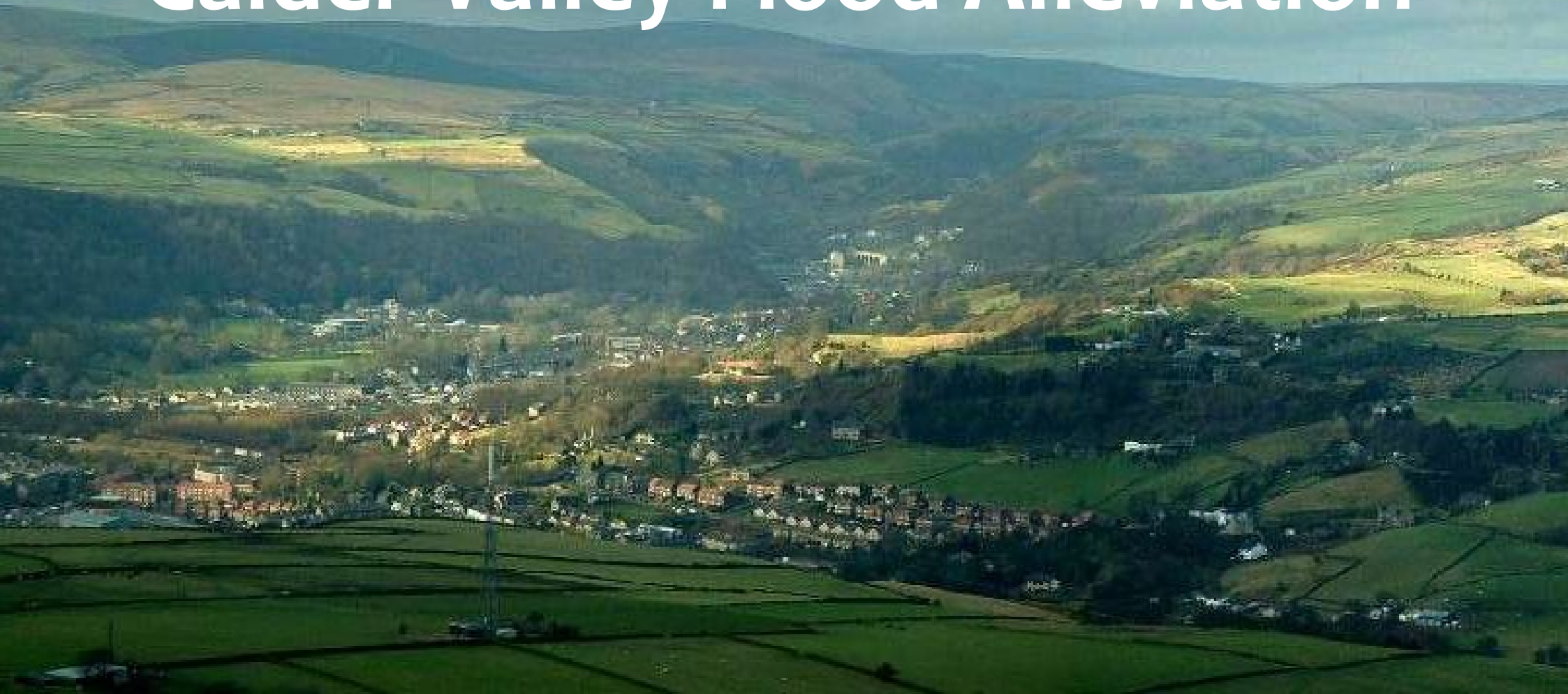
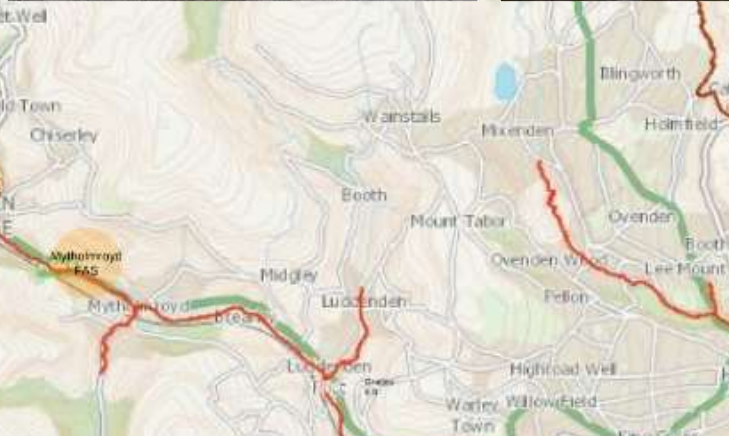
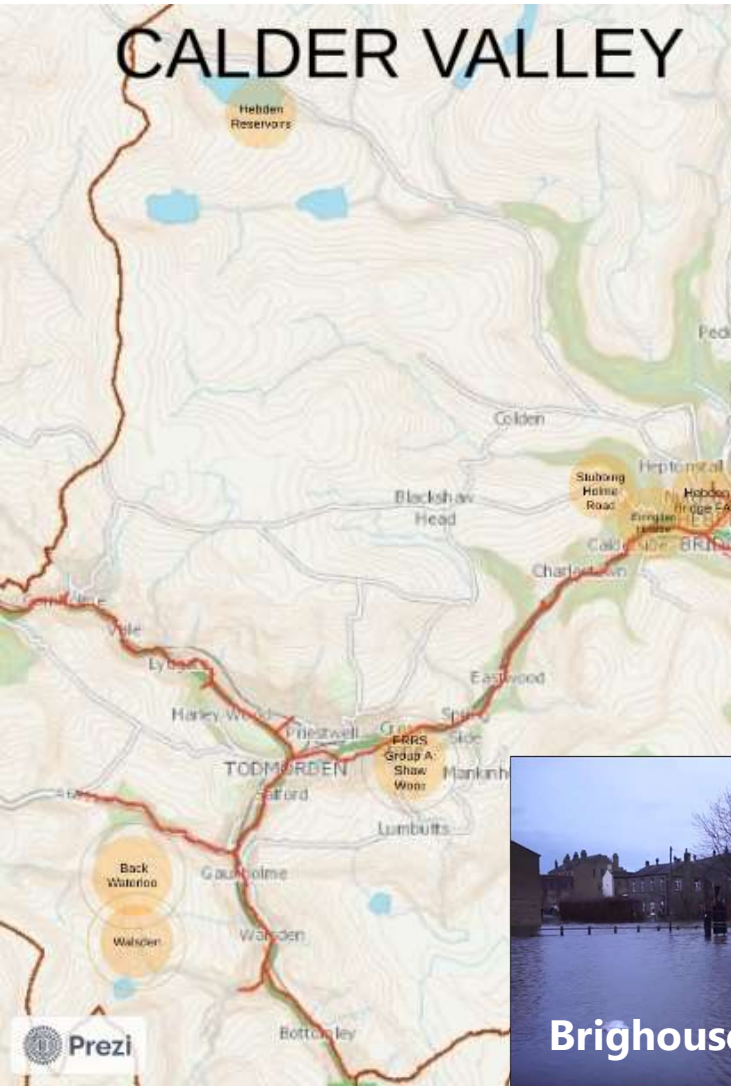


Figure 1-3: 100-year combined extent grid, Otley

Calder Valley Flood Alleviation



CALDER VALLEY



CALDER VALLEY

- The Calder Valley has been subject to frequent flooding from a range of flood mechanisms. Most recently 2012, 2013, 2015 & 2020.
- During Storm Ciara in 2020, over 1110 properties flooded - a third of the UK properties that were impacted during the storm.
- The EA along with key partners Calderdale Council, Yorkshire Water, Canal and River Trust and Network Rail have developed a programme of flood risk reduction schemes that will cost over £120million to build.
- Over £80million external funding so far to develop and deliver these schemes
- These schemes will better protect 1600 properties and key infrastructure



Kimberley MacPherson
Environment Agency
West Yorkshire Operations Manager



Jo Arnold
Environment Agency
Partnership & Strategic Overview



Laura Mageean
Environment Agency
S & SW Programme Specialist



Emma Morrish
Principal Environmental Project
Manager
National Environmental Assessment &
Sustainability



Jenny Cooke
Environment Agency
West Yorkshire Flood Risk Manager



Fiona Moen
Jacobs
Site Supervisor

What next?

Northern WiFCERM

- Promote your FCERM projects and initiatives in the north
- Get in touch
 - North West: contact
Elizabeth.Lowe@environment-agency.gov.uk
Thomasin.Sayers@jbaconsulting.com
 - North East: contact
Joanna.Arnold@environment-agency.gov.uk
Laura.Bastow@environment-agency.gov.uk
- Slido questions
- Upcoming for northern WiFCERM events
 - Autumn event
 - Take things back to face-to-face – networking, events, site visits

National WiFCERM

- National website:
<https://womeninfcerm.org/>
- Flood and Coast session Tuesday 29th June at 10:45am – discussion on benchmarking study results. Sign up here:
<https://hopin.com/events/fc2021?ref=656b3c78ac84>
- Flood and Coast Excellence Awards featuring the WiFCERM Award takes place on 30th June – more info here:
<https://www.floodandcoast.com/excellence-awards/>
- Mentoring programme recently closed with many successful applicants

Thank you
Look forward to seeing you next time