

Yorkshire NFM workshop: CaBA Integrated Catchment Delivery, capacity building, NFM and embedding best practice... in 5 mins!

11 Sept 2019, Dom Martyn, Catchment Based Approach National Support Group/Rivers Trust Seconded from Environment Agency National Operations

ICD Purpose:

1. Sharing evidence, best practice and embedding learning
2. Building relationships
3. Maximising opportunities for structured dialogue between RFCCs, Catchment Partnerships and Flood Action Groups etc
4. Building capacity for local authorities, communities and catchment partnerships to achieve successful natural flood management



What? Benefits?

- 120 UK events building relationships, >£700k to £3.5million + in value, 7+ in Yorkshire
- 40+ NFM visits, workshops, practical sessions, webinars addressing training needs
- Seeing, embedding, constructing best practice – from approach to delivery



Above: 2012 Loddon's first fivers week and others became £1m Rivers and Wetlands Community Days
Below: 2017 CIWEM 2 day workshop



Above: 2015 UK Brazil learning – 10 days with RFCCs and others



Above: 2017 Stroud rural SUDs visit
Below: March 2019 systems workshop



CaBA ICD: 2017-19 achievements – over 1,500 people involved



What? CaBA ICD events: co-designed, shared goals like today's Yorkshire NFM visit and workshop

London Climate Action Week

- **2 July** – Coln practical river restoration and natural flood management
- **3 July** – Evenlode NFM workshop and visit
- **4 July** – Nature and nurture at Long Marston, Thame catchment
- **6 July** – Hogsmill open day, visits to STW, fish passage and wetland, South London
- **11 July** – Beane river restoration, water resources and healthy soils visit

- **12 July** – Thames Estuary Edges boat trip – link event eve.sanders@ucl.ac.uk
- **8 to 12 July** Northumbria Innovation Festival – link event. See <https://innovationfestival.org/>
- **Tuesday 16 July** – Restoring Estuarine and Coastal Habitats (REACH), London – link event.

- **17 July, 9 September, 26 November** - natural flood management surgeries – webinars building capacity
- **11 September** - Yorkshire Natural Flood Management – building local and national capacity
- **18 September** – CaBA Catchment Data User Group Forum
- **5 November** – South West integrated planning and partnerships workshop – agreeing the 'ask'
- **November – tbc 25 Year Thames vision, connecting initiatives and partnerships**
- **Yorkshire** – Treesponsibility practical tree planting and NFM, various dates
- **4 December** – Yorkshire funding fair and natural capital approach

What? Learning together, attracts more funding to do activity we want.
2 April 2019 Norfolk integrated constructed wetlands - saving £500k!



“Very
engaging and
inspiring, 10
out of 10”!

“Great event - need
more of this type
getting so many
different organisations
talking” Anglian RFCC
Secretary

What? 3rd July - Evenlode catchment – Bruern Estate NFM,
26,000 trees, scrapes and low bunds make space for water,
biodiversity and sediment re-use



In 2019, we aim to find up to £760k nationally, to help your bespoke local and national events and inspire successful NFM as business as usual... Contact me with your ideas, I'd be delighted to hear from you.

Practical learning: 2nd July - Upper Thames catchment— River Coln practical NFM and river restoration day, London Climate Action Week

- “Training future leaders with best current teachers”
- 5 events with first London Climate Action Week
- >400 people, connecting urban and rural and urban communities
- LCAW 150 events, 20,000 people
- July 2020 – **do you want a Climate Action Week?**



Why?

- Improve relationships between sectors - recommendation from 2015 River Basin Management Plans and Flood Risk Management Plans.
- Catchment partnerships have strong relationships with RFCCs - a Defra 2015 recommendation from evaluating catchment pilots
- Connecting our system for people and partnerships

“In England, we have a challenge in our water and land governance framework referring to the ‘space’ between top down government decisions and bottom up catchment partnership approaches”. Foster 2016, 2018.

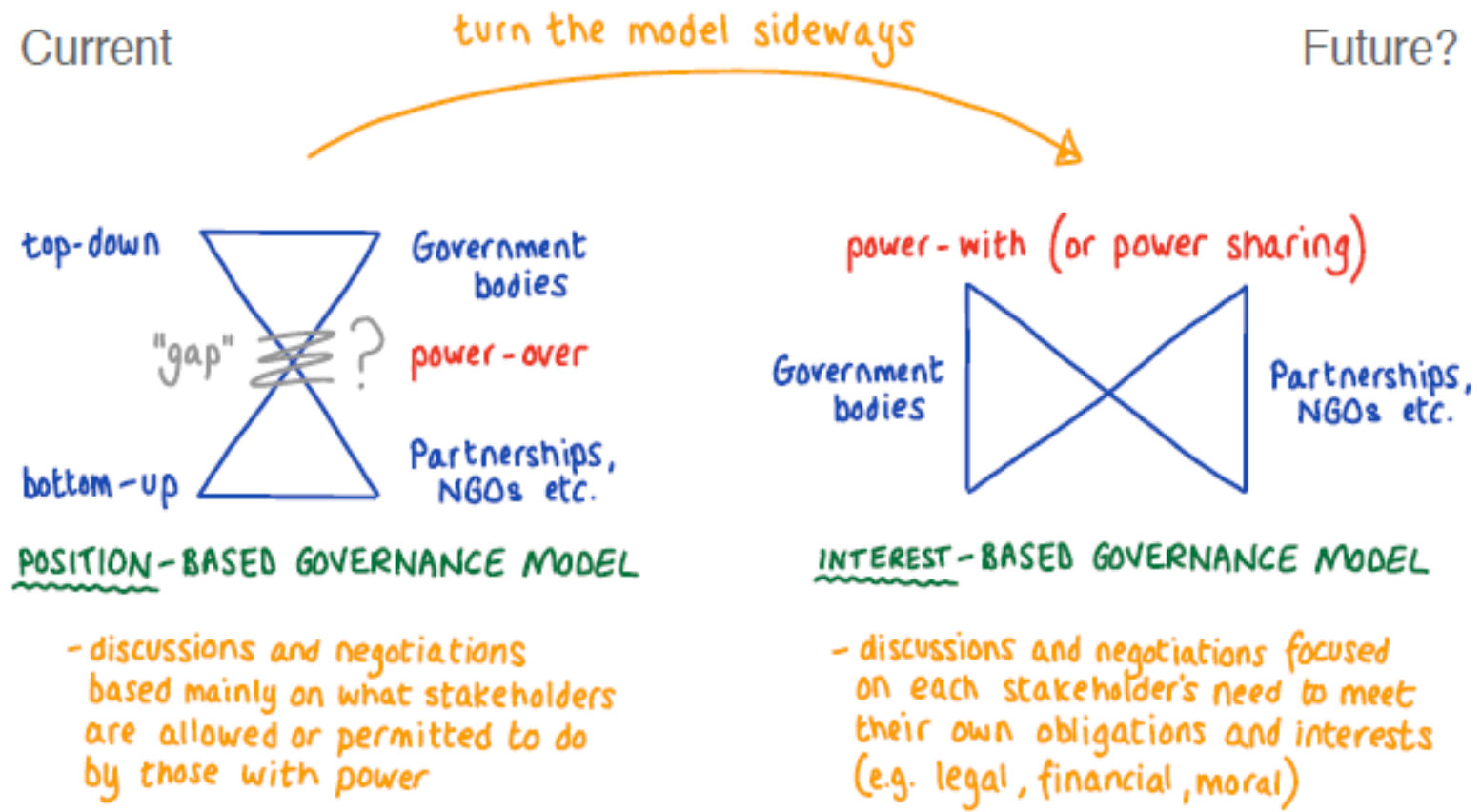
“Human capital: Talking kindness doesn’t fit easily in the rational, dispassionate, evidence-based language of public policy. A challenge for many working in this current tradition”. Julia Unwin 2018.

“The natural capital embedded in catchments is as yet neither managed on a cost effective basis, nor a sustainable one”. Helm 2015.



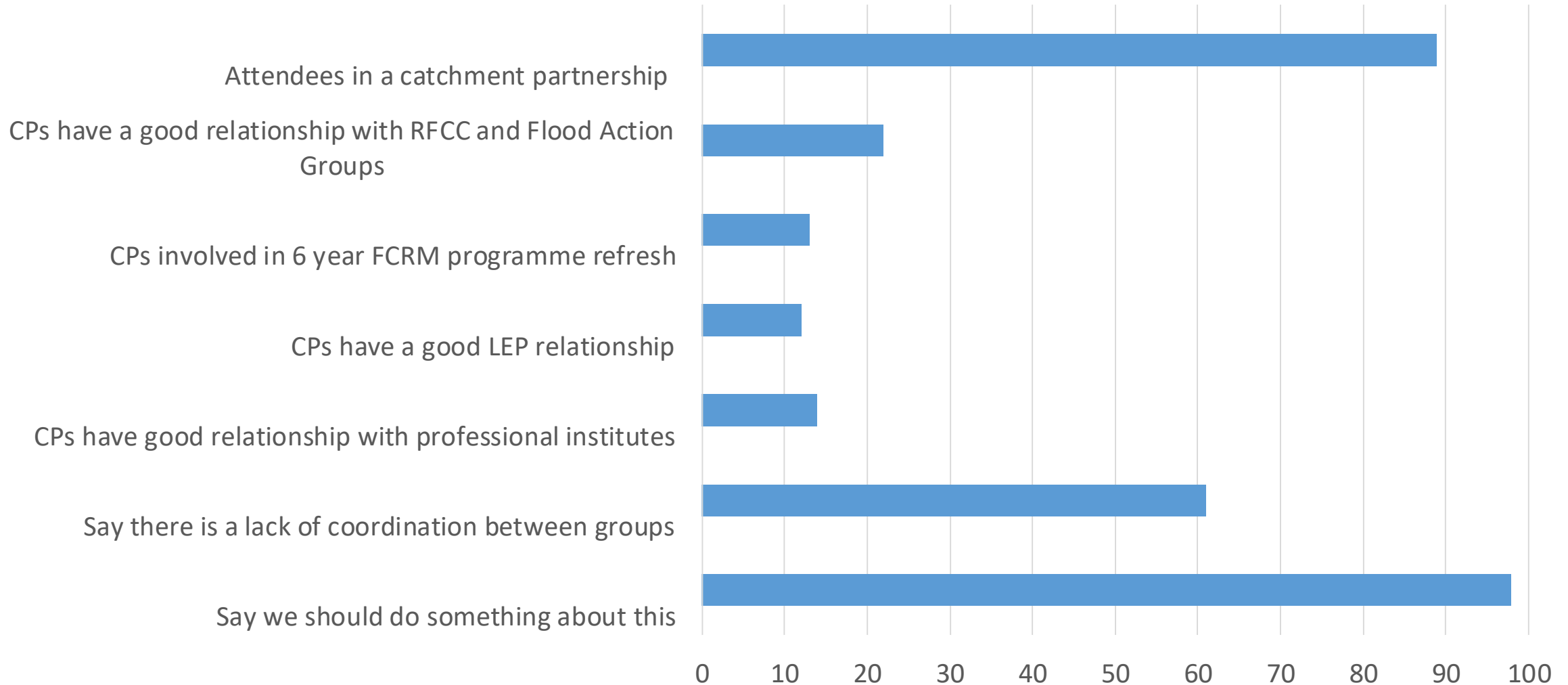
Why? Enhancing partnerships for action – “improving our systems approach to water and land governance”

Below A framework for action that emerged from our research (Dominic Martyn, Natalie Foster and Damian Grilly, 2015)



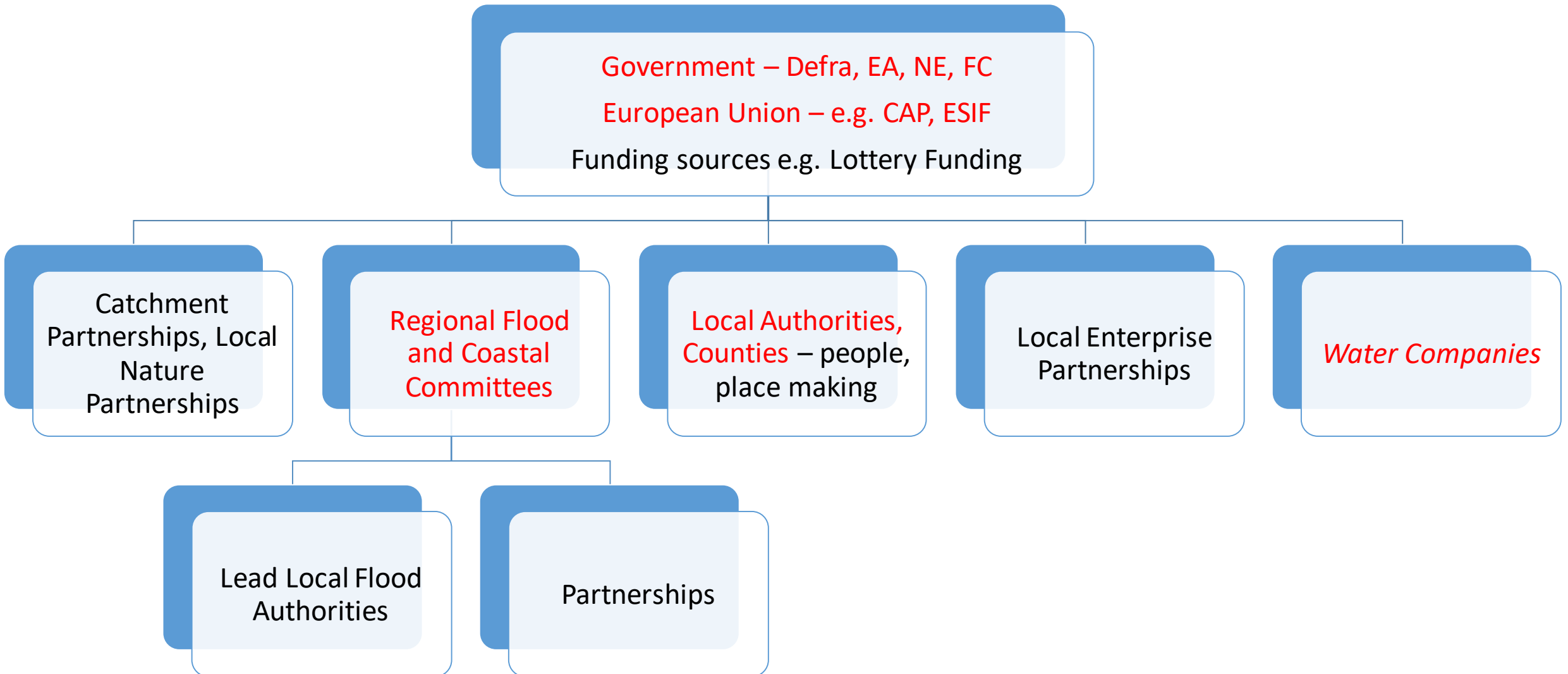
What are we trying to do? Maximise opportunities...

Results from 101 participants involved in catchment partnerships - % catchment partnerships engaged in flood, local enterprise partnerships and institutes

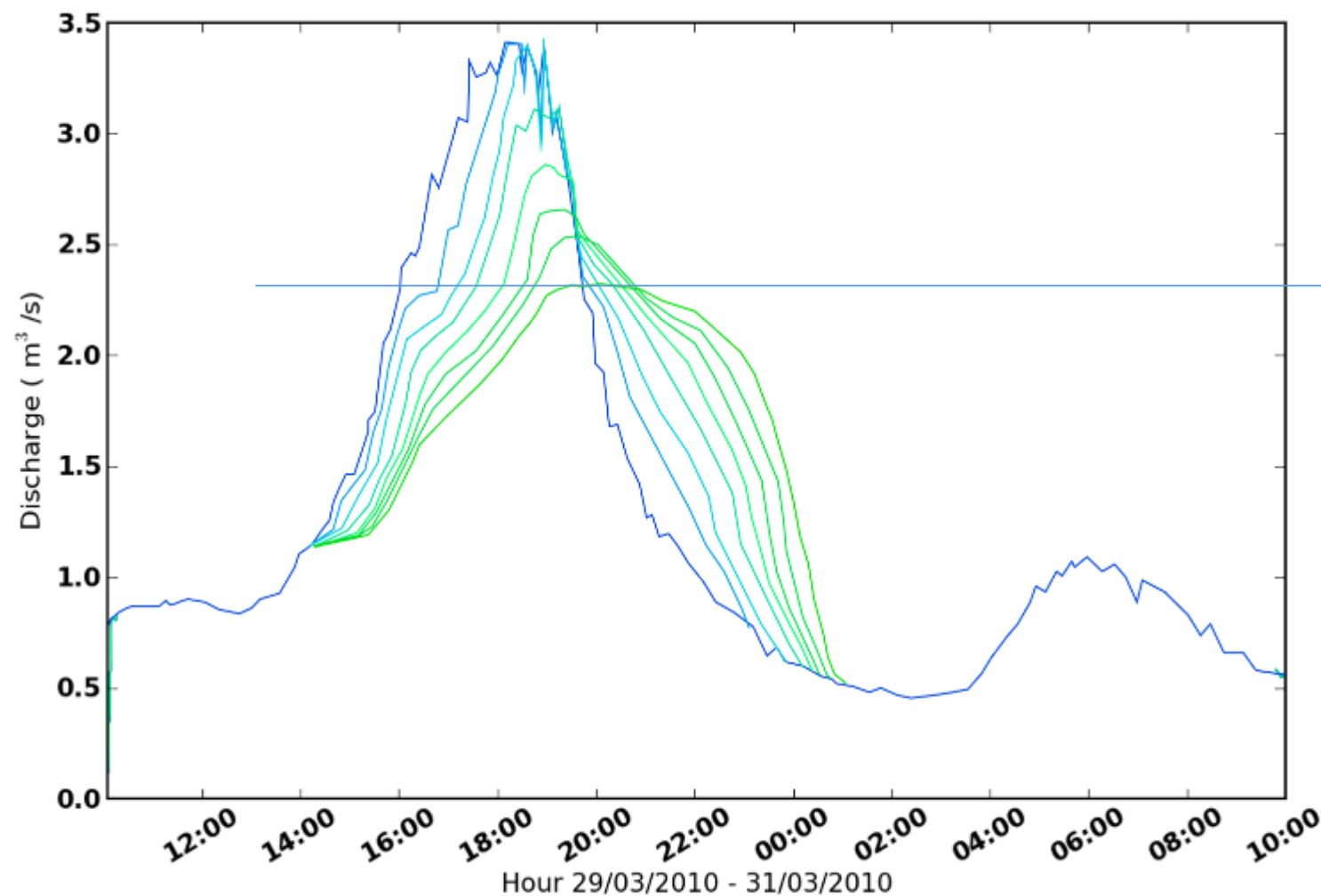


1. 5.2mill (or 1/6th) properties at risk of flooding in England
2. £2.2bn effect of flooding and managing flood risk each year costs us
3. 100% UK economy dependant on water
4. 30% topsoil down the drain and degraded, 90 harvests left? Multiple benefits re-building soil: CO2 and climate adaptation, reducing flashy run off and re-charge... worms..
5. 42% floodplain in England and Wales physically separated from floodplain
6. >10% UK wildlife species threatened with extinction
7. ¼ of England's water bodies at good ecological status
8. **>£30bn p.a. added to UK economy if ecosystems properly cared for, if neglected cost economy > 20bn p.a.**
9. £100bn to be spent by 2032 on farm subsidies, flood defences and modernising Britain's water infrastructure
10. UK National forest provides a 4.8 times return on investment by 2100 if we manage ecosystems well

Why? £2019-2025 £35bn England **estimate**: Money flow – England. An indication of who decides is in red. We need to help spend it well and nature based solutions/NFM plays a big role!



Why? Filling national evidence gaps by visiting and sharing what we know – Belford flood hydrograph – assessing NFM evidence and options. We need estimated properties protected to access some £.



10 run off attenuation
features – 0% operating
reduction

35 run off attenuation
features – 30% operating
reduction

Paul Quinn Newcastle
University 2015

What next?

- Agree programme locally and nationally via CaBA National Support Group and it's 10 Working Groups e.g. Flood Working Group
- We'll bid for c. £760k funding for events, lots of practical experiential learning (Integrated Delivery)
- Supporting bespoke inclusive regional partnership approaches connecting the system on integrated catchment delivery
- Anyone come across a method for appraising sites for leaky dams?
- Has anyone got a site for DIY SUDs SOS we can write to Nick Knowles?
- Please contact me with any ideas.

<https://www.therrc.co.uk/integrated-catchment-delivery-events-2019>
dom@theriverstrust.org



“No-one is too small for making a difference”
Greta Thunberg 2019

