



Thames Regional
Flood and Coastal
Committee



Imperial College
London



Meeting pack - 2019 **Integrated Catchment Delivery** events

A systems approach to finding common ground: The environment, partnerships and governance - identifying shared priorities for action informing local and national approaches

An inclusive event hosted by Imperial College London, Open University, Catchment Based Approach and Regional Flood and Coastal Committees

Date and location: Thursday 7 March Birmingham, the Studio, 7 Cannon Street, B25EP

Thursday 14 March London, Mary Ward House, 5-7 Tavistock Place, WC1H 9SN

Contact: sophie@ciwem.org for bookings, Dom Martyn 07795 333 157 or dom@theriverstrust.org for enquiries

Why are we doing this? A National Water Leaders Group meeting in October 2018 agreed action to improve the role of partnerships in helping “to leave our environment in a better state within our generation”.

In this workshop we will use systems techniques to describe the interactions between the physical environment and social system, to build relationships and improve programmes for our environment while preparing for EU Exit. This workshop will share inspiring examples of partnerships and identify shared priorities for action.

Anticipated benefits from attending these workshops

- Sharing practice – hearing and discussing inspiring partnership approaches – **ACTION: please send your good practice partnership and governance examples to Dom Martyn. We would like to share tools, products and ways of working on the River Restoration Centre website**
- Energise business and communities: inform your approach with shared priorities for action
- Improving understanding of current partnerships and how we can improve ways of working
- Respond to industry challenge such as sustainable drainage and more focus on cost effective, source and pathway solutions to significant environment challenges
- Report: shared priorities for action over time, actions to improve the system locally and nationally informing the Governments 25 Year Environment Plan framework for action
- Transferrable method you can use for systems working and opportunity to create a mandate to support local systems workshops across the UK



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Programme

9.00 to 10.00 Arrive and networking. Your facilitators for the day – please ask them if you have any queries, thank you. See Appendix for biographies.

- 7 March Natalie Foster, Ana Mijic, Sue Reed, Dave Farrow, Suzanne Bennet, Dom Martyn
- 14 March Natalie Foster, Charles Zoghieb, Sue Reed, Suzanne Bennett, Dom Martyn

Session 1. 10.00 to 10.15 Welcome: 7 March, John Adams, Conservation Lead English Severn and Wye Regional Flood and Coastal Committee

14 March, Robert Van De Noort, Chair Thames Regional Flood and Coastal Committee

Session 2. 10.15 to 10.30 why are we using a systems approach and what are the benefits?

- **Lead 7 & 14 March** - Natalie Foster Open University will invite participants to take notes using drawings to aid systems technique
- 7 & 14 March - Dom Martyn Catchment Based Approach National Support Group/Rivers Trust
- 7 March - Ana Mijic Imperial College London Systems Water Management Environment Agency NERC Innovation Fellow
- 14 March - Charles Zoghieb PhD Imperial College London

Session 3. 10.30 to 10.50 Inspirational partnerships and governance approaches – elevator pitches and lunch time market place promotions!

7 March

1. Urban Pioneer - Irwell Partnerships for action in river catchment governance and Climate Adaptation and Water Governance – Natalie Foster Open University
2. Catchment Systems for Water Management - Ana Mijic Imperial College London
3. Challenging Links and Integrating Multiple Benefits – the Environment Agency Greater Manchester, Mersey and Cheshire’s approach to integrated solutions - Peter Hewitt, Advisor Partnerships and Strategic Overview Team

14 March

1. Urban Pioneer - Irwell Partnerships for action in river catchment governance and Climate Adaptation and Water Governance – Natalie Foster
2. North West Natural Course – Dave Marshall Programme Manager
3. WaterCoG - Barry Bendall South East Rivers Trust
4. Challenging Links and Integrating Multiple Benefits – the Environment Agency Greater Manchester, Mersey and Cheshire’s approach to integrated solutions - Peter Hewitt, Advisor Partnerships and Strategic Overview Team



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Session 4. 10.50 to 11.00 Explain method for workshops and breakout groups, Lead: Natalie Foster

Session 5. 11.00 to 12.30 your environment as a system, Lead: Ana Mijic and Charles Zoghieb. Building on up to date work: draw what are your activities in your natural environment, how do your activities interact with the natural environment and how are you benefiting or impacted by your natural environment? We will then discuss similarities, differences and what's emerging.

12.30 to 1.30 Lunch - kindly provided by the Environment Agency. *Market place discussions on inspirational partnerships and governance approaches*

Session 6. 1.30 to 2.30 our social system for partnerships and governance, Lead: Natalie Foster. What does this system look like now? Who do you work with, why, how effective is this and why? Who don't you work with? What does the system look like at best, what actions are wanted to improve the system? We will be using the BATWOVES technique to co-learning to arrive at clear structure on the kind of people, the way to involve and on what.

- **Beneficiaries**
- **Actors**
- **Transformation / purpose of engagement is**
- **World view justification / why is it important / what is the underlying reason**
- **Owner controlling / could stop – write down who this is**
- **Victim who is negatively affected / impacted**
- **Environment what's constraining, limiting or conflicting**
- **Steps - series of steps currently taking to achieve the purpose**

2.30 to 2.45 teas, coffees and water

Session 7. 2.45 to 3.15 shared priorities for action. What's emerging? Lead: Natalie Foster. With a person, group or organisation you want to build relationships with, discuss gaps and opportunities looking at the coupled physical and social system. Discuss and agree immediate and medium to longer term action.

Session 8. 3.15 to 4.00 plenary. Lead: Chair - when are the opportunities, what are the shared priorities for action, who's leading, what success looks like and confirming next steps



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Thank
before

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you go to



you for participating and have a safe journey home. Please hand in your feedback form one of the workshop organisers. Thank you.



Resources: Please see these websites for more information. The outputs from today will be available on the RRC 2019 website below

- Future activity <https://www.therrc.co.uk/integrated-catchment-delivery-events-2019>
- Resources <https://www.therrc.co.uk/integrated-catchment-delivery-events-2017-18>
- Key workshop <https://www.ciwem.org/events/workshop-integrated-catchment-delivery>

'Organisational' interests

- Catchment Partnerships, Local Nature Partnerships and Flood Action Groups
- Regional Flood and Coastal Committees (RFCCs) for informing Environment and other sub groups being established
- Local Enterprise Partnerships – creating and funding successful local infrastructure strategies and catchment infrastructure plans
- Coastal Groups – enhancing Shoreline Management Plans and place based partnerships
- Water companies for successful co-creation of Drainage and Wastewater Management Plans and building catchment resilience
- Businesses – enhancing effective engagement on sustainable future resources
- Defra – Area Integrated Plans, Natural Capital Plans and 2021 River Basin Management Plans and Flood Risk Management Plans
- Defra Pioneers
- Government - 25 Year Environment Plan, Industrial Strategy and Clean Air Strategy

Facilitator biographies



Dr Natalie Foster is a Visiting Research Fellow at the Open University working on collaborative research projects at local, national and international level. She would like to know whether the workshop design and facilitation is useful in terms of helping people to interact with each other and with their environment in ways that are more meaningful to them. natalie.foster@open.ac.uk

Dr Ana Mijic is a Senior Lecturer in the Department of Civil and Environmental Engineering at Imperial College London. She has expertise in advanced modelling and analysis of processes, planning, and resilience of water environment systems. Ana's interest in this workshop is to understand the environmental management from the perspective of human role within the system, and how our decisions and activities interlink with the ecosystem services provision. ana.mijic@imperial.ac.uk





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Charles Zogheib gained a degree in Civil Engineering MEng with First Class Honours; Imperial College London. He is currently a PhD Candidate in water resources governance under the supervision of Dr Wouter Buytaert at Imperial College. His work focuses on the link between data, evidence and good governance and is based on a case study of Quito, Ecuador. He has previously worked for Bechtel Corporation, Vinci Construction France and on the problem of electricity provision in rural Rwanda. charles.zogheib12@imperial.ac.uk

Dr Sue Reed Sue is a new member of the Environment Agency's Facilitation Network and works in the EA's Environment Strategy and 25 Year Environment Plan Team. She's particularly interested in understanding from the workshop in what ways a systems approach can help players work most effectively.

Suzanne Bennett, MA Public Communication Advanced Practitioner, The Consultation Institute, Senior Advisor Engagement Strategic Catchment Partnerships, Environment and Business Directorate, Environment Agency. I am leading the Environment Agency's engagement planning for the third cycle of River Basin Management Plans which will be published in 2021. These plans set out how we manage and protect the water environment by improving and protecting inland and coastal waters, driving more sustainable use of water and creating better habitats for wildlife that live in and around water. The systems approach matters to me because if we know how people use and enjoy water we can work in partnership with them to value and improve our water environment. I have a background in communications and engagement and have been with the Environment Agency for 10 years.

Dr David Forrow sits in the Environment Agency's Research, Assessment and Evaluation team. Having worked on WFD transposition and implementation for many years he is interested in taking a more long-term and integrated approach to environmental management. In particular, to use systems understanding and analysis to identify and make transparent systemic causes of problems and help steer collaboration to more sustainable solutions. david.forrow@environment-agency.gov.uk

Dom Martyn is programme manager for the Integrated Catchment Delivery (ICD) events. This workshop is event 13 of over 80 free events in the UK. I established this programme in my voluntary time as I believe the best results for communities, businesses and our environment come from involving people, listening to each other's views and designing the best programmes together to optimise the benefits. Dom's seconded from National Operations at the Environment Agency to the Rivers Trust in the Catchment Based Approach National Support Group. This ICD initiative is proudly co-sponsored by different interests who see the value of building relationships and embedding best practice. Today, Dom hopes we take home a clear list of agreed priorities for action that improve partnership working and share inspiring practice. All outputs will be available on the River Restoration Centre website. dom@therivertrust.org





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Attendees 7th March 2019 – Birmingham, the Studio

N	First name	Surname	Role	Organisation
1	Geoff	Roberts	Chairman	Aire Rivers Trust
2	Guthrie	Pickering		Dove Catchment Steering Group
3	John	Adams	Conservation Member	English Severn & Wye Regional Flood and Coastal Committee
4	Jo	Diamond	Local Integrated Delivery Manager, Wessex Area	Environment Agency
5	Suzanne	Bennett	Senior Advisor (Engagement) Strategic Catchment Partnerships	Environment Agency
6	Niall	Jones	Senior Advisor, Environment and Business	Environment Agency
7	Greg	Broughton	East Midlands Area Commercial Manager	Environment Agency
8	Heather	Harrison	Northumberland Catchment Co-ordinator	Environment Agency
9	Becky	Stewart		Environment Agency
10	Mathew	Lawrence	Environment Programme Team Leader, West Midlands	Environment Agency
11	Peter	Hewitt	Advisor Partnerships and Strategic Overview, Greater Manchester, Cheshire and Mersey	Environment Agency
12	Lee	Copplestone		Keep Britain Tidy
13	Amanda	Davies		National Flood Forum
14	Sanjay	Johal		National Flood Forum
15	Heather	Shepherd	Head of Engagement and Technical Support	National Flood Forum
16	Sonny	Lakhani	Strategic Development Officer	Severn Rivers Trust
17	Ana	Mijic	Imperial College London Systems Water Management Environment Agency NERC Innovation Fellow	Imperial College London
18	Natalie	Foster	Independent Researcher	Open University



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19	Sue	Reed	Environment Strategy and 25 Year Environment Plan Team	Environment Agency
20	Dave	Forrow	Senior Advisor, Ecosystems Services Appraisal and Evaluation	Environment Agency
21	Dom	Martyn	Programme Manager, Integrated Catchment Delivery events	CaBA National Support Group/Rivers Trust
22	Mark	Ross	Operations Manager	Environment Agency

Attendees 14th March 2019 – London, Mary Ward House, near Kings Cross station

N	First name	Surname	Role	Organisation
1	Karen	Fisher	Strategic Flood Management Team Leader, Environment Services, Transport Economy Environment	Bucks County Council
2	Izzy	Bishop	Research Manager	Earthwatch
3	Jeremy	Gallop	Environment and Business Manager, Agriculture, Fisheries and the Natural Environment, Partnerships Team	Environment Agency
4	Tim	Brooks	Environment Planning Specialist & Dove Catchment Coordinator West Midlands	Environment Agency
5	Gráinne	Nolan	Public Health Senior Advisor, E&B Public Health and Air Quality Team	Environment Agency
6	Ben	Orris	Senior Advisor, Partnerships and Strategic Overview, FCRM, Devon and Cornwall	Environment Agency
7	Damian	Crilly	Manager, Strategic Catchment Partnerships, Integrated Water Planning, National	Environment Agency
8	Dave	Marshall	Programme Manager, Natural Course	Environment Agency
9	Peter	Hewitt	Advisor Partnerships and Strategic Overview, Greater Manchester, Cheshire and Mersey	Environment Agency



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10	Anna	Lorentzon	Specialist Ecosystem Services, Strategy and Investment, National FCRM	Environment Agency
11	Brian	Payne	Manager, National Services, Environment and Business	Environment Agency
12	Victoria	Boorman	Flood and Water Management Specialist	Hillingdon Council
13	Carolina	Pinto	Project Manager	Institute Refugios, Brazil
14	Karen	Shanahan	Project Manager - Conservation Skills Programme, West Oxfordshire	National Trust
15	Caroline	Gittins	Advisor, Thames Team	Natural England
16	Katherine	Trehane	Lead Adviser, Natural England, Norfolk & Suffolk area team	Natural England
17	Barry	Bendall	Director	South East Rivers Trust
18	Martin	Hurst	Chair	Southern Regional Flood and Coastal Committee
19	Catherine	Rice	Catchment Strategy Manager	Southern Water
20	Debbie	Leach	Chief Executive	Thames 21
21	Luke	Damerum	Non-Tidal Thames Project Officer	Thames 21
22	Rosie	Nelson	Hydrological and Water Quality Modeller	Thames 21
23	Robert	Van De Noort	Chair	Thames Regional Flood and Coastal Committee
24	Chris	Poupard	Chair	Thames Rivers Trust
25	Phil	Alford	Brent River Environment Action Society	
26	Jay	Bentley		
27	Charles	Zoghieb	PhD Candidate in water resources governance	Imperial College London
28	Natalie	Foster	Independent Researcher	Open University
29	Sue	Reed	Environment Strategy and 25 Year Environment Plan Team	Environment Agency



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30	Dom	Martyn	Programme Manager, Integrated Catchment Delivery events	CaBA National Support Group/Rivers Trust
31	Steven	Trewhella	Environment Agency Appointee - Anglian Northern RFCC	Anglian Northern
32	Nathalie	Gilbert	INTCATCH Project Manager	Thames 21
33	Andy	Hardstaff	"Flood Risk Management Team Leader, Environmental Resource Planning Environment and Infrastructure"	Hertfordshire County Council
34	Kate	Hooper	Natural flood Management Project Manager	Hertfordshire County Council
35	Toni	Scarr	Senior Advisor, Strategic Catchment Partnerships	Environment Agency
36	Clare	Smith	Project Officer, River Cray & Thamesmead	Thames 21
37	Jim	Ratcliffe	Manager Environment Planning and Engagement, Cumbria & Lancashire Area	Environment Agency
38	Kathryn	Harcastle	Chief Executive Officer	NGO

This page is left BLANK so you can hand in your feedback form to one of our facilitators including any other comments you may have.



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Feedback. We welcome your view to inform action following today. Please write on this during the day and hand in before leaving.

Name:

Organisation:

Do you want to be contacted on future events? Y / N

1. Did today improve your understanding of our environmental and social system? Yes / No (please circle)
2. How did you find the day? Please circle your score: 0 (poor) 1 2 3 4 5 6 7 8 9 10 (couldn't do better) Why?
3. Have you built any relationships? If so, who?
4. What is the most valuable one action you will take away and do from today?
5. What was most significant point in the workshop from a learning perspective for me?
6. To what extent was the environment mapping useful? Please circle: 0 1 2 3 4 5 6 7 8 9 10
7. To what extent was the social mapping useful? Please circle: 0 1 2 3 4 5 6 7 8 9 10
8. In what ways did the systems approach help? Or not help?
9. What worked well? What could we improve?