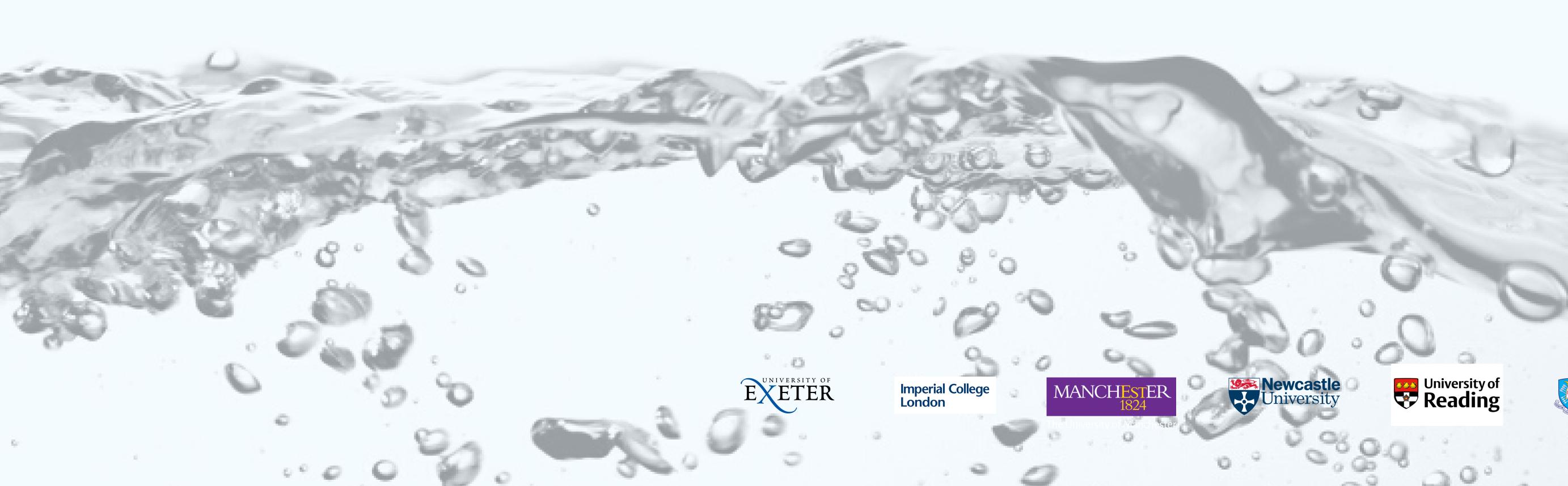
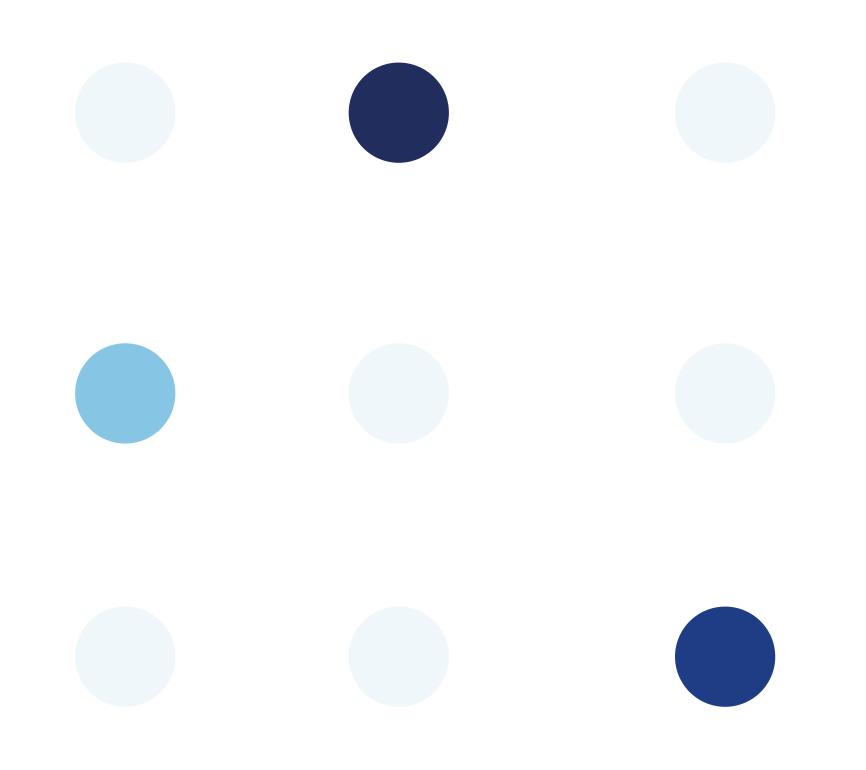


15 to 19 March 2021, Online





TWENTY 65 Annual Conference 2021



Register NOW









Day 1 - 15th March 2021

10:00 – 10:05	Event Opens - Joby Boxall
10:05 – 10:10	Introduction - Liz Sharp
10:10 – 11:00	Plenary Session: Why the water sector cann
11:00 – 11:40	Chair: Liz Sharp, <i>The University of Sheffield</i> Keynote Speaker: Sarah Bell, <i>University of Melbourn</i> Keynote Speaker: Vittoria Danino, <i>Anglian Centre for</i> Keynote Speaker: Jess Phoenix, <i>Defra</i> Discussant & Panel Discussion: Why the wat social science
	Discussant: Zoë Sofoulis, Western Sydney University
11 10 12 20	Panellists: Sarah Bell, Vittoria Danino, Jess Phoenix,
11:40 - 12:30	Break for Lunch
12:30 – 16:15	Social Science Day presentations & worksho

Day 2 - 16th March 2021

09:30 – 10:00	Event Opens		
10:00 - 10:10	Introduction - Prof. Joby Boxall		
10:10 - 11:00	Plenary Session: Innovation in the water se		
	Chair: Paul Horton, <i>Future Water Association</i> Keynote Speaker: Baroness McIntosh, <i>All Party Par</i> Keynote Speaker: John Russell, <i>Ofwat</i>		
11:00 - 12:00	Panel Discussion: Innovation in the water se		
	John Russell, <i>Ofwat</i> Caroline Wadsworth, <i>Isle Utilities</i> Peter Skipworth, <i>Environmental Monitoring Solution</i> Kamal Birdi, <i>The University of Sheffield</i>		
12:00 - 12:30	Break for Lunch		
12:30 – 13:30	Parallel Sessions 1A – 1C		
13:30 – 13:45	Refreshment Break		
13:45 – 14:45	Parallel Sessions 1D – 1F		

ne or Water Studies ter sector cannot do without

ector

rliamentary Water Group

ector

-

Day 3 - 17th March 2021

09:30 – 10:00	Event Opens
10:00 - 10:10	Introduction - La
10:10 – 11:00	Plenary Session :
	Chair: George Pont Keynote Speaker: Jo Keynote Speaker: V
11:00 – 12:00	Panel Discussion
	Joanna Clark, <i>Unive</i> Michael Templeton Richard Dawson <i>, N</i>
12:00 - 12:30	Break for Lunch
12:30 – 13:30	Parallel Sessions
13:30 – 13:45	Refreshment Bre
13:45 – 14:45	Parallel Sessions

Day 4 - 18th March 2021

09:30 – 10:00	Event Opens
10:00 – 10:30	Safeguarding a Robin Price, <i>Water I</i>
10:30 – 11:30	Parallel Sessions
11:30 – 11:45	Refreshment Bre
11:45 – 12:45	Gathertown Net
12:45 – 13:45	Parallel Sessions
13:45 – 14:00	Refreshment Bre
14:00 – 15:00	Fireside Chat: He Chair: Tony Cor Panellists: Joby Box Vanessa Tony Har Nicole Ba Tony Gre
15:00	Close

aura Roberts

Roadmap for the future of water innovation

ton, *Scottish Water* Joby Boxall, *The University of Sheffield* Vanessa Speight, *The University of Sheffield*

n: Roadmap for the future of water innovation

ersity of Reading n, Imperial College London Newcastle University

s 2A – 2C

eak

5 2D – 2F

sustainable supply of water for Eastern England

Resources East, Chair: Vanessa Speight, University of Sheffield

ns **3A – 3C**

eak

tworking Lunch

s 3D – 3F

eak

low does the water sector move forward?

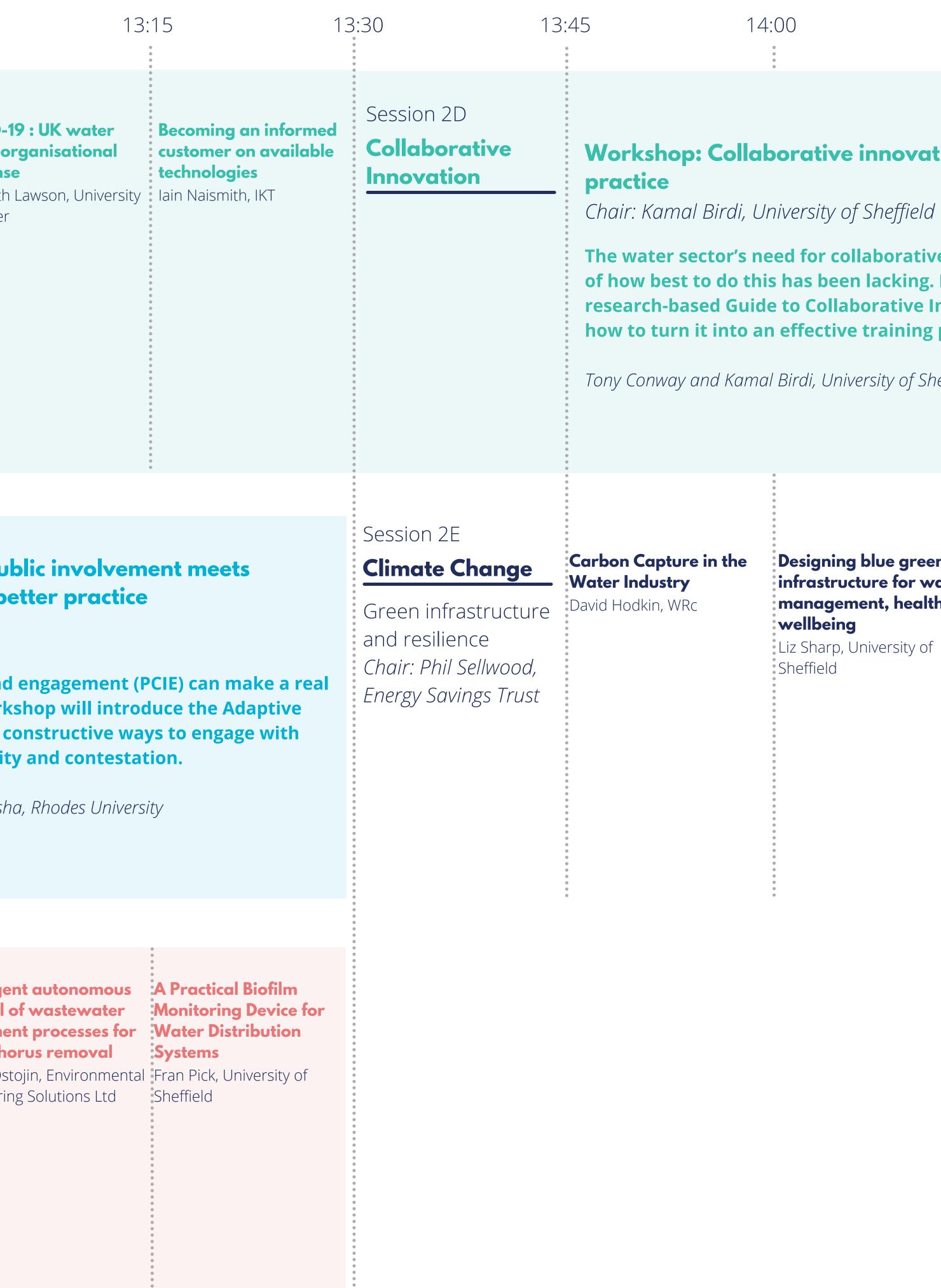
onway, The University of Sheffield exall, The University of Sheffield a Speight, The University of Sheffield arrington, Welsh Water Ballantyne, KTN reen, National Grid

12	2:30 12	:45 13	:00 13	3:15 13	3:30 13	3:45 14	12 L:00	1:15 14	4:30
ssion 1A gagement	Chair: Phiala Mehring This workshop will ta from their perspectiv	's flood got to do wit g, Reading University ake attendees through u ye, through the lens of fl cise understanding the o	nderstanding how floo ood communities and	flood authorities. We		and integrated urban water management in	engagement with flood resilience Christine Sefton, University of Sheffield	infrastructure systems:	Evaluating a co- produced community rainwater managemen intervention - learning why we need to evaluate, how and for whom Jo Birch, University of Sheffield
ssion 1B	energy from wate Chair: Simon Tait, Un Low grade heat recor in achieving the carb to bring together rec to lower carbon emis	iversity of Sheffield very is one of the establi on emission target of ne ent research in harvesti	ished technologies anti et zero by 2050. The ain ng heat energy from w	icipated to be crucial n of this workshop is vater infrastructure	Session 1E Climate Change	-	n water infrastructu	et zero carbon emis re	sions: harvesting
ession 1C nerging Jutions novations in ensors and data hair: Mike Strahand, martwater	and autonomous intervention Samuel Shelley, Nuron	drainage: how sensors in SuDS can help to monitor and control run-off Alex Stephenson,	Characterisation of water infrastructure using impedance spectroscopy Shiyao Wang, University of Sheffield	Biosensors: the advantages of tracking your microbiology in real time Tom Williams, Enebio	Session 1F Emerging Solutions	<i>Chair: Kirill Horosher</i> Pervasive sensing of	• •		

TWENTY 65 Annual Conference 2021

Day 3 - 17th March 2021

12:	30 12:	:45	13:00
Collaborative Innovation Case Studies	The Hydropolitics of Trust: Changing modes of public trust in drinking water Zoë Sofoulis, Institute for Culture and Society, Western Sydney University	Predicting Pollution from Combined Sewer Overflows: An academia-industry success story Adam Cartwright, Siemens	response Elizabeth of Exeter
Session 2B Engagement	difference to researc	nd community involve h, policy and practice ASA) and give real example rch regarding water u	ement and The works imples of co ise inequity
Solutions	The use of self-healing in water infrastructure systems Lauren McMillan, University College London	The feasibility of domestic raintanks contributing to urban flood resilienceLiz Sharp, University of Sheffield	Intelliger control o treatmer phospho Sonja Oste Monitorin



TWENTY 65 Annual Conference 2021

1:00	14:15	14:30	14:45
• • •	• • •		0 0 0
			•

Workshop: Collaborative innovation in the water sector: from research to

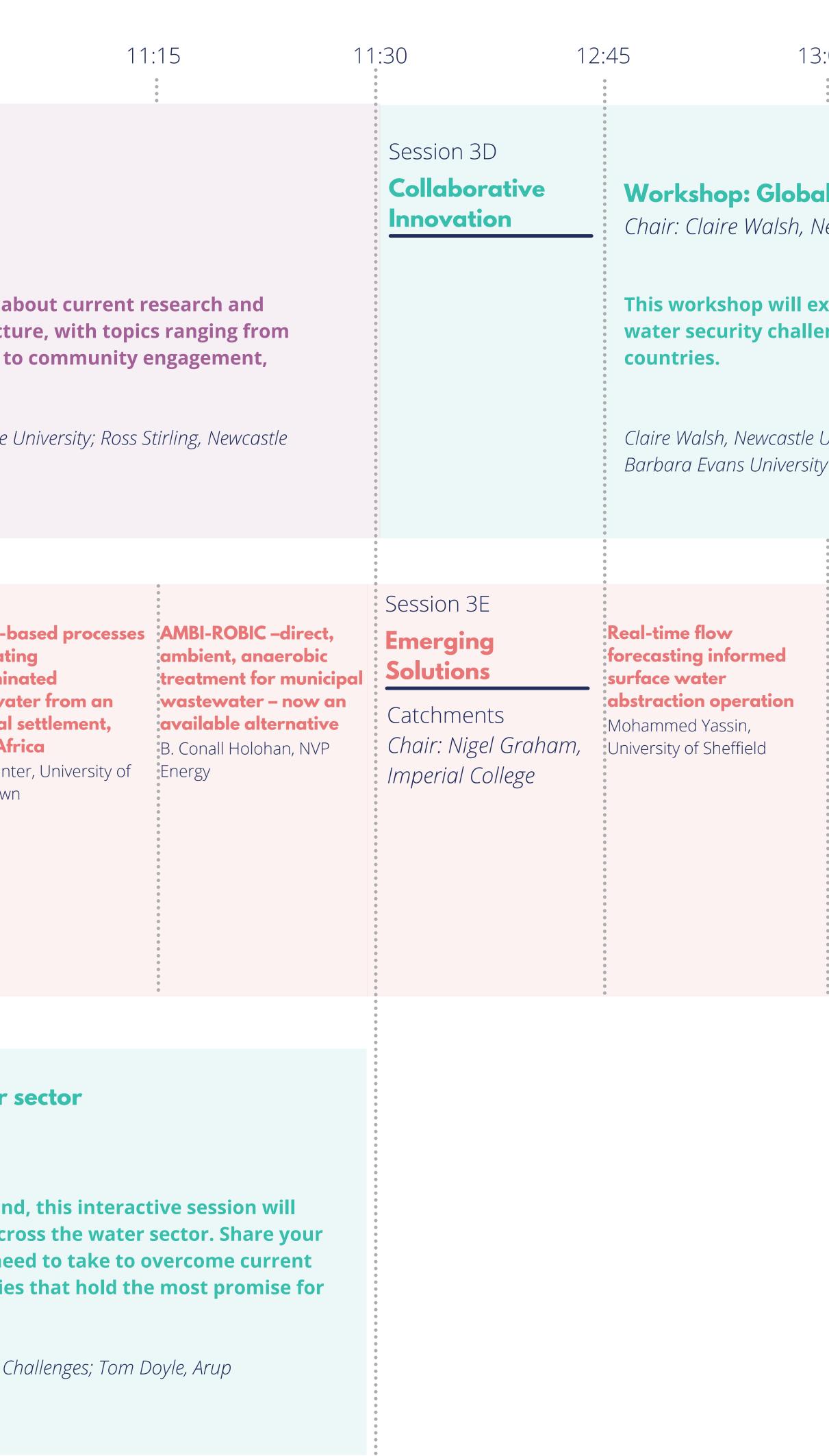
The water sector's need for collaborative innovation is increasing yet our understanding of how best to do this has been lacking. In this session, we will present our new research-based Guide to Collaborative Innovation and work with participants to identify how to turn it into an effective training programme.

Tony Conway and Kamal Birdi, University of Sheffield

Designing blue green infrastructure for water management, health and		City of London Climate Action Strategy - Water Sector
wellbeing Liz Sharp, University of Sheffield	Research from South Africa Sukh Mantel, Rhodes University	Rob Casey, Worshipful Company of Water Conservators

0 0 0

Day 4 -	18th March	2021		
	10:30	10:	-45	11:00
<section-header></section-header>	Chair: Virg	inia Stovin, on will sha er case stue g stormwa y an open vin, University	rch and practice University of Sheffiel re information and e dies related to green ter management pe discussion.	experience al n infrastructo rformance to
Session 3B Emerging Solutions Technology Innovations Chair: Steve Kaye, UKWIR	Immobilised of Earth-abu copper as an photosensitis water treatm Martin V Apple of Sheffield	ndant tibacterial ers for nent	DMA flushing helps understand and redu upstream discolourat risk Manar Al-Saffar, Yorkshir Water	ion contamin stormwa
Session 3C Collaborative Innovation	Chair: Carc Led by the explore ho thoughts a barriers to innovative	delivery te w to suppo nd hear fro innovatior solutions t	ng innovation in <i>Jorth, Isle Utilities</i> am of the Ofwat Innovation of the Ofwat Innovation of the Solution of	ovation Fun novation acr steps we ne nd industrie more.



TWENTY 65 Annual Conference 2021

3:00 1	3:15	13:30	1345			
Al Water Security Challenges and Solutions <i>Newcastle University</i> xplore challenges, opportunities and solutions to a range of global enges, drawing upon examples from low and middle income						
University; Renu Khosla, Co ty of Leeds; and David Heth	entre for Urban and Regior					
Estimating the productivity of communally-managed, unimproved rangeland of north Eastern Cape, South Africa Gusha Bukho, Rhodes University	•	barriers for nature management with community-led, De funded project	nin a efra-			