

Day 1 – 26th March 2019

- 9:00 - 9:30 **Registration and Coffee**
- 9:30 - 9:40 **Introduction – TWENTY65**
- 9:40 - 10:40 **Plenary Session: Resilience** ●
- MC:** Jonathan Abra, *KTN*
- Key Note Speaker:** Rachel Fletcher, *CEO, Ofwat*
- Key Note Speaker:** Philip Graham, *CEO, National*
- 10:40 - 11:10 **Panel Discussion: Resilience** ●
- Rachel Fletcher
- Philip Graham
- 11:10 - 12:00 **Posters and Innovation Showcase**
- 12:00 - 13:00 **Lunch - Restaurant**
- 13:00 - 14:30 **Parallel Sessions 1A-5A** ●●●●●
- 14:30 - 15:00 **Break for Coffee**
- 15:00 - 16:30 **Parallel Sessions 1B-5B** ●●●●●
- 17:30 - 19:30 **Evening reception – Nibbles & Drinks in the Iris Lounge, Cloud 23, Hilton Hotel**

Day 2 – 27th March 2019

- 09:00 - 09:30 **Registration and Coffee**
- 09:30 - 09:35 **Introduction – TWENTY65**
- 09:35 - 10:35 **Plenary Session: Planning for Water** ○
- MC:** TBC
- Key Note Speaker:** Jo Harrison, *Director of Asset Management, United Utilities*
- Key Note Speaker:** TBC
- 10:35 - 11:05 **Panel Discussion: Planning for Water** ○
- TBC
- 11:05 - 12:00 **Poster and Innovation Showcase**
- 12:00 - 12:45 **Lunch – Restaurant**
- 12:45 - 14:15 **Parallel Sessions 6A-9A** ○●●●○
- 14:15 - 14:45 **Coffee and Innovation Showcase**
- 14:45 - 16:15 **Parallel Sessions 6B-9B** ○●●●○
- 16:15 - 16:30 **Closing remarks**

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	13:00	13:30	14:00	14:30	15:00	15:30	16:00	16:30								
Session 1A Innovation Room: Deansgate A	Early stage research and Emerging Solutions Chair People, Company 13:00 - 14:30 An opportunity to see what direction research is suggesting for the future of water whilst also seeing first-hand what emerging solutions are being developed.				Session 1B Innovation Room: Deansgate A				Early stage research and Emerging Solutions Chair People, Company 15:00 - 16:00 An opportunity to see what direction research is suggesting for the future of water whilst also seeing first-hand what emerging solutions are being developed.							
Session 2A The Future of Catchment Management Room: Deansgate B	The Future of Catchment Management John Sanders and Garry Sanderson Ricardo & Visualyze Solutions 13:00 - 14:30				Session 2B The Future of Catchment Management Room: Deansgate B				Title TBC David Butler TWENTY65 15:00 - 15:30		The application of in-river sensors and satellite data for monitoring dissolved organic carbon in surface waters. Jonathan Ritson and Nigel Graham TWENTY65 15:30 - 16:00		Localz British Gas, Northern Gas, Ovo 16:00 - 16:30			
Session 3A Innovation in our Water Companies Room: Deansgate C	Implementing the world's first sewer nervous system in North East England Paul Dickenson and Sally Askew, Nuron and Northumbrian Water 13:00 - 13:30		How Innovative engagement builds personal resilience Lee Pitcher, Yorkshire Water 13:30 - 14:00		Risk: So much Innovation, and yet so risk averse. Jeanette Garwood, University of Sheffield 14:00 - 14:30		Session 3B Innovation Room: 2/3/4				A new way to measure dewaterability of sludges quickly and accurately – the DET Miklas Scholz et al, Salford Uni, Lund Uni, Johannesburg Uni.		Optimisation of sewers: How can biology inspire management of our networks? Claire Fenwick and Louise Keogh, Nuron		Localz British Gas, Northern Gas, Ovo 16:00 - 16:30	
Session 4A Resilience Room: 2,3,4	Water Resilience: What is it and how can we implement it? Charles Rouge, The University of Sheffield 13:00 - 13:30		Securing a sustainable water future through inter-basin water transfer Majed Khadem, TWENTY65 13:30 - 14:00		Can nature based solutions for water management help address social inequalities? Clair Cooper, Durham University 14:00 - 14:30		Session 4B Planning for Water Room: 8&9				Optimal strategic water network planning considering cost, resilience, network performance and business risk. Christina Chui et al, Arcadis and Optomatics		AI – based software instantly predicts the impact of housing growth on network drainage. Bipin Patel et al, EnginSoft & AECOM		Localz British Gas, Northern Gas, Ovo 16:00 - 16:30	

Day 2 – 27th March 2019

	12:45	13:15	13:45	14:15	14:45	15:15	15:45	16:15	
Session 1A Innovation Room: Deansgate A	Early stage research and Emerging Solutions Chair People, Company 12:45 - 14:15 An opportunity to see what direction research is suggesting for the future of water whilst also seeing first-hand what emerging solutions are being developed.				Session 1B Innovation Room: Deansgate A			Early stage research and Emerging Solutions Chair People, Company 14:45 - 16:15 An opportunity to see what direction research is suggesting for the future of water whilst also seeing first-hand what emerging solutions are being developed.	
Session 2A Planning for Water Room: Deansgate B	Demand Impacts during the extreme summer of 2018 Dene Marshallsay, Sarah Rogerson and Mumin Islam, Artesia & Affinity Water 12:45 - 13:15	Integrating water & energy systems Fei Liu, TWENTY65 13:15 - 13:45	Using data to predict asset failure & flooding incidents Caleb Blackmore & Sivaraj Valappil, Thames Water 13:45 - 14:15	Session 2B Robotics for the Water Sector Room: Deansgate B		Robotics Kirill Horoshenkov, TWENTY65 14:45 - 16:15			
Session 3A Engagement Rooms: 2/3/4	A taxonomy of mobilisations: exploring the nature, extent and effectiveness of public engagement across the UK water sector. Emma Westling, TWENTY65 12:45 - 13:15	Targeting bad behaviour to reduce sewer blocks Elvira Gabos, Southern Water 13:15 - 13:45	Climate Change, flood risk management, and public health: Time to return to Victorian values? Anna Kenyon 13:45 - 14:15	Session 3B Global Perspectives and Learnings Rooms: 2/3/4		<i>How to Increase Water Sector Innovation? International Examples</i> Hear from IKT, KWR and the Global Water Centre in Milwaukee. 14:45 - 16:15			
Session 4A Collaboration Rooms: 8&9	It's about time! Conflicts in temporal management across the collaborative innovation development chain in the water utilities Jeanette Garwood, TWENTY65 12:45 - 13:15	Exploiting Innovation in the UK Water Industry Hans Jenson, UKWP 13:15 - 13:45	The Big Questions facing the water industry Steve Kaye, UKWIR 13:45 - 14:15	Session 4B Resilience Rooms: 8&9		UKWIR workshop How will we achieve zero leakage in a sustainable way by 2050? 14:45 - 16:15			