

CONFERENCE: DAY 3 / THURSDAY 20TH JUNE

PLENARY SESSION

SHAPING THE FUTURE TODAY TOGETHER – CREATING NATIONS OF CLIMATE CHAMPIONS

CHAIRIED BY:



Toby Willison
Executive Director
Operations
Environment Agency

● Ludlow Room 3

The practical action we can take now to create the skills, tools and technologies to revolutionise our preparedness and awareness, the way we communicate and respond to incidents both inland and at the coast.

TIME	SPEAKERS
09.15 10.45	Harriet Green , Chief Digital Officer, Defra
	Patrick Stephenson , Client Managing Director, Fujitsu
	Dr Teresa Bridgeman , Chair, West Somerset Flood Group
	Rob Davis , National Fire Chiefs' Flood Lead
	Emma Greenwood , Youth MP for Bury

AN INDUSTRY FIT FOR THE FUTURE – SKILLS

CHAIRIED BY:



Catherine Wright
Director Digital & Skills
Environment Agency

● Ludlow Room 2

TIME	SPEAKERS	PRESENTATION TITLE
11.15 12.45	Mark Stratton , Coastal Policy, Strategy & Environment Team Manager, The Eastern Solent Coastal Partnership	Innovation through effective partnership - a Local Authority perspective
	Rachel Pether , All Reservoirs Panel Engineer / Delivery Director, Black & Veatch	All reservoirs panel engineers - the looming skills crisis
	Karen House , Director, Peaton	Teams behaving badly - using behavioural science to improve project performance -
	Rebecca Sharpe , Catchment Engineer, Environment Agency	Cultivating talent
	Alex Scott , Programme Manager, JBA Trust	Knowledge, opportunity and shared understanding: how future skills transcend "training"
	David Ramsbottom , Technical Director, HR Wallingford	FACE programme: some learning points in flood and coastal erosion risk management
	Dr Tim Fox , IMEchE	'Fit-for-purpose' – education and skills in the context of future climate change. An institution's perspective

LET'S GET DIGITAL! DATA, INNOVATION AND OPPORTUNITY

● Newport Room

CHAired BY:



Andy Moores
FCRM Research Manager
Environment Agency

TIME	SPEAKERS	
11.15 12.45	Sean Whelan , Flood Risk Consultant, Atkins/SNC-Lavalin	Balancing ambition and pragmatism in the age of "Big Data"
	Charlie Thompson , Director, Channel Coastal Observatory	The national network of coastal monitoring programmes - the value of long-term, integrated monitoring to provide the evidence base for coastal management
	Cai Bird , Director of Marine Research, Marlan Technologies	Autonomous, near real-time coastal monitoring with ground-based remote sensors. Coastal big data analytics; challenges and opportunities for the FCERM
	Jonathan Morgans , Operations Director, Royal HaskoningDHV	A new approach to asset management and investment - Digital Twin
	Jon Wicks , Global Technology Leader, Jacobs	Flood & coast management in 2040: an interactive journey into future technology
	Monica Rivas Casado , Senior Lecturer, Cranfield University	The use of unmanned aerial vehicles to estimate direct tangible losses to residential properties from flood events
	Dan Culli , GIS Manager, TEAM2100	TEAM2100 - innovation in data acquisition, processing, storage, accessibility and usage
	Robert Berry , Head of Technology, JBA Consulting	Digital technologies to enable a step change in the modelling and collaborative development of national-scale flood mapping'
	Alexis Hannah Smith , CEO, IMGeospatial	How disruptive innovation can be Incubated in any NGO or large business with minimal change to the procurement process
	Jenny Brown , Coastal Researcher, National Oceanography Centre	New field measurements that inform coastal flood hazard management
Colin Lee , Business Manager, Atkins	Advanced inspection techniques	

FCERM STRATEGY: THE CONTEXT FOR IMPROVING COMMUNICATIONS AND ENABLING NEW BEHAVIOURS

● Ludlow Room 1

CHAired BY:



Lynne Frostick
Board Member,
Environment Agency &
Research Professor
University of Hull

TIME	SPEAKERS	PRESENTATION TITLE
11.45 13.15	Julie Foley , Director FCRM Strategy & National Adaptation, Environment Agency	A nation of climate champions – the importance of communicating effectively to change behaviour
	Barry Hankin , Head of Environmental Modelling, JBA	New approaches to community engagement to improve catchment resilience using an iTable
	Jacqui Cotton , Senior Scientist, Environment Agency	What should flood warning messages say?
	Jo Coles , Senior Engagement Advisor, Environment Agency	No change there then - reviewing our approach to flood communications & engagement
	Sarah Fitton , Senior Social Value Consultant, Arup	Valuing early stakeholder and community engagement
	Chris Skinner , Research Fellow, University of Hull	Earth Arcade - the value of virtual reality, games, & festival events for communicating flood risk messages

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INCIDENT PREPAREDNESS

CHAired BY:



Carol Holt
Deputy Director
Preparedness &
Response
Environment Agency

● Ludlow Room 3

TIME	SPEAKERS	PRESENTATION TITLE
11.45 13.15	Matt Georges , Principal Economist, Environment Agency	Should we be treating flood incident management as a public health measure?
	Martin Dolan , Aquobex	I-REACT; the first modular, real-time, multi-hazard, action based warning system
	Rob Thomas , Senior Research Fellow, University of Hull	Ark: The National Flood Resilience Centre
	Peter Connolly , Incident Management Digital Service Manager, Environment Agency	Incident management digital change
	Ludolph Wentholt , STOWA (Foundation for Applied Water Research)	Living Lab Hedwige and Prosperpolder
	Nick Everard , Technical Advisor Hydrometry, Environment Agency	Measuring the unmeasurable: innovation and collaboration transforming flood flow measurements

AFTERNOON SESSIONS

DIGITAL FLOOD DRAGON – PITCH TO PROTOTYPE

● Newport Room

Five finalists will pitch their ideas, be questions by the 'Digital Dragons' and the audience, after which the audience will vote for their favourite.

Welcome from John Curtin, Executive Director FCERM, Environment Agency: 'The importance of digital in building a nation of climate champions'.

TIME	DIGITAL DRAGONS
13.45 15.45	Myra Hunt , Chief Digital Officer', Defra
	Catherine Wright , Director of Digital & Skills, Environment Agency
	Gwlon Kennard , Digital Engineering Director, Atkins
	Terence Eden , Senior Technology Advisor, UK Government & Academia

To vote, please download the Digital Flood Dragons app through App Store, Google Play or www.exiapp.com/go

HOW EXERCISING CAN IMPROVE THE HEALTH OF OUR EMERGENCY PLANS

CHAired BY:



Caroline Douglass
Director for Incident
Management and
Resilience
Environment Agency

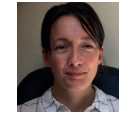
● Ludlow Room 1

TIME	WORKSHOP LED BY PHIL EMONSON & ADRIAN SEWARD, JBA4RESILIENCE CONSORTIUM
14.30 15.45	We know being prepared, incident ready and resilient relies upon rehearsing plans and procedures, whether they're for property flood resilience measures at your home, temporary defence deployment or Major Incident Plans. Join us for an interactive workshop session using live polling to highlight the decision-making which is fundamental to being prepared, discussing the decisions we made and the plans and procedures they're linked to.

FUTURE PROJECT & PROGRAMME DELIVERY

● Ludlow Room 2

CHAIRED BY:



Jo Jolly
Deputy Director
Programme & Contract
Management
Environment Agency

TIME	SPEAKERS	PRESENTATION TITLE
14.30 15.45	Andrew Powell , Innovation Manager, Environment Agency	Collaboration in engineering innovation
	Julie Payne , Business Change Manager Environment Agency	Mobilising the Next Generation Supplier Arrangements
	Andrew Pearce , Deputy Director Asset Management, Environment Agency	The future of asset management

CLIMATE RESILIENCE – THE TIME TO ACT PANEL

● Ludlow Room 3

CHAIRED BY:



Innes Thomson
Chief Executive
Association of Drainage Authorities

TIME	SPEAKERS	PRESENTATION TITLE
14.30 15.45	Tomas Sterckx , Project Manager, Dredging International BV DEME	COASTBUSTERS: an integrated approach to ecosystem based coastal protection
	Dr Ivan Haigh , Associate Professor of Coastal Oceanography, University of Southampton	Grey swan storm surges pose greater risk of east coast flooding than climate change
	Anusha Shah , Founder & CEO, Plan for Earth	Climate resilience: time to connect the dots and break down the silos
	Bart Vonk , Senior Advisor Water Safety, Rijkswaterstaat	National coordination on water allocation in the Netherlands during drought 2018
	Emma Greenwood , Youth MP for Bury	Panelist
	John Englander , Oceanographer and Sea Level Rise Expert	Panelist

CLOSING PLENARY SESSION

● Ludlow Room 3

TIME	SPEAKERS
16.00 16.30	Mark Garratt , Deputy Director Business Implementation & Skills, Environment Agency