Innovation Workshop "WMO HydroHub Phase II Innovation Roadmap" 2 & 4 February 2022, 13:00 - 16:00 (CET), Online				
Day 1: Wednesday 2 February				
13:00 - 13:10	Opening by Harry Dixon, UKCEH			
	Segment 1: Transitioning innovations into operational use	Presentations: • Elizabeth Jamieson, innovations into ope	Q&A with presenters	
13:10 – 14:10	<u>Chair</u> : Harry Dixon	Alice Soares, World Bank – How innovation can help capacity development projects funded by International Financial Institutions A Kevin Oberr (ISCS (United States)) An example of successful transitions ADCRs at USCS — from		
	Kevin Oberg, USGS (United States) – An example of successful transition: ADCPs at USGS – from research/innovation to reference standard			
14:10 - 14:20				
14:20 - 16:00	Segment 2: River flow and rainfall measurement with innovative non-contact technologies Chair: Nick Everard	General presentation by Flavia Tauro , Tuscia University	 Series of 6-minute pitches based on submitted posters: Mark Randall, Department of Regional Development, Manufacturing and Water (Australia) – Operationalising non-contact streamflow methods in Australia Sumit Sen, IIT Roorkee (India) – Operationalizing LIDAR-based non-contact water level monitoring in the Indian Himalayas Salvador Pena, Photrack Ltd (Switzerland) – Opportunities and challenges in establishing image-based flow monitoring techniques William Castaings, Tenevia (France) – Camera-based solutions for measuring and monitoring river flows Jonny Higham, Liverpool Uni (England) – FlowOnTheGo smartphone velocimetry app Guillaume Valladeau, vorteX.io (France) – Keep an eye on our rivers, anytime & anywhere Mariano Re, Instituto Nacional del Agua (Argentina) – Advantages and disadvantages of hydrometric innovative proposals for water quality management in a highly polluted basin 	Q&A with Flavia Tauro and the presenters
Day 2: Friday 4 February				
13:00 - 13:10				
	Segment 3: Data tools, transmission and interoperability or automated data quality control Chair: Christophe Cudennec	General presentation by Jérôme Le Coz	Series of 6-minute pitches based on submitted posters: Mirjami Kuoppala, Finnish Environment Institute (Finland) – Automatic outlier detection with data-analytics / machine learning Hessel Winsemius, TAHMO (Netherlands) – OpenRiverCam: Camera-based river flow observations with local people, local devices and open knowledge	Q&A with Jérôme Le Coz and the presenters
13:10 – 14:20			Muthiah Perumal, Indian Institute of Technology Roorkee (India) – A real non-contact discharge estimation procedure Juan Bianchi, Instituto Nacional del Agua (Argentina) – INA's experience in improving hydrological data interoperability	
			François Rainville, Environment Canada (Canada) – Continuous Data Production to Improve Real-Time Data Production in Canada	
			Pete Marchetto, Conservify and FieldKit (United States) – On-line, In Situ Calibration of Environmental Sensing Systems	
14:20 - 14:50	Segment 4: How standards can support innovation in operational hydrometry	w standards ovation in rometry Presentations: Tommaso Abrate, WMO – The role of WMO Guidance and Technical Regulations (10 minutes)		Q&A with the presenters
14:50 – 15:00	Segment 5: Mentimeter vote 1. Top technical innovation areas that the WMO HydroHub could support in its Phase II 2. Priority areas of support needed to advance these innovations			
15:00 – 15:50	Segment 6: Moderated public-private-research sectors panel discussion - "Fostering uptake of innovative solutions in operational environments" Moderator: Tatsuya Kimura Panelists: Alexandre Hauet (EDF), Mark Heggli (Innovative Hydrology), Fabrice Fretz (SDC), Raul Munoz Castillo (IDB), Marie-Claire ten Veldhuis (TU Delft), Louise Croneborg-Jones (Water in Sight), Robert Sunday (Ministry of Water, Tanzania)			
15:50 - 16:00	Closing by Harry Dixon, UKCEH			