Program

Sunday 14 October 2018

1430 – 1700	**EWPP Meet and Greet** THIS IS AN INVITATION ONLY SESSION *Convenor: Vanh Mixap*
1800 – 2000	**Welcome Function** **2 hr Sydney Harbour Cruise ($100)** Clearview Cruise Boat, Departing Darling Island Wharf. Drinks and canapes included. This cruise will give delegates the opportunity to network and meet each other prior to the official start of the conference while taking in the beautiful scenery around the iconic Sydney Harbour.

Monday 15 October 2018

0900 – 1030 North wharf

Opening Ceremony
Welcome to Country
Michael Wilson, Assistant Secretary, Governance, Fragility and Water Branch, Australian Department of Foreign Affairs and Trade
Mr Roderick Simpson, Environment Commissioner, Greater Sydney Commission
Keynote **Prof Rebekah Brown (Monash University): Enabling an institutional ecosystem of effort to improve human and environmental health in urban informal settlements**
Chair: Dr Eva Abal, CEO, International RiverFoundation

1030 Morning tea

Room	North 1	North 2	Signorelli	Parkview 1	Parkview 2
	Integrated River Basin Management *Symon Walpole*	**Murray Darling Basin (Australia)** *Rene Woods*	**Engagement, Inclusiveness and Ethics** *Marganita Da Cruz*	**Rivers by Design** *Peter Morison*	**Environmental and Cultural Flows** *Joanna Taylor*
1100	Quantifying uncertainty in nutrient load exports from diffuse landuses to waterways and estuaries *Jordan, Phillip - HARC, Australia*	The Murray-Darling Basin Plan – implementation update *Binning, Carl - Murray-Darling Basin Authority, Australia*	Building bridges with the Pasig River community *Cabriole, Marie Aislinn - Vera Thiess Fellowship, Philippines*	Corridors of concrete: where to invest in naturalising stormwater channels *Ho, Jonathan - Alluvium Consulting*	The Brisbane Declaration and Global Action Agenda on Environmental Flows (2018) *Arthington, Angela - Griffith University*
1115	Dealing with constraints on the implementation of integrated and innovative river management *Salt, Beth - Georges Riverkeeper, Australia*	The ethics of water management: the role of independent experts and civil society in upholding – and reforming – the law *Carmody, Emma - EDO NSW, Australia*	Inclusive engagement of vulnerable river basin communities in riverbed farming improves economic leadership *Gurung, Hari - HELVETAS Swiss Intercooperation, Nepal)*	River Corridor & Natural Character Management of Rivers in New Zealand *Williams, Gary - Waterscape, New Zealand*	Enabling an Indigenous community to inform environmental flow setting processes: Results from cultural flow preference studies undertaken in New Zealand *Tipa, Gail - Tipa & Associates, New Zealand*
1130	Quantitative mapping and monitoring of hydrological ecosystem services to improve river basin management *Ha, Lan Thanh - Institute of Water Resources Planning, Ministry of Agriculture and Rural Development, Viet Nam*	Looking forward: Exploring innovation in the Murray-Darling Basin *Sengupta, Ashmita - CSIRO, Australia*	River Olympiad: Educating and engaging youth *Rokonuzzaman, Sheikh - Riverine People, Bangladesh*	Basin Futures – A Frugal Innovation for Basin Scale Water Resource Assessments *Parashar, Amit - CSIRO, Australia*	Talking together, working together, walking together *Mona Liddy, Michael Douglas - University of Western Australia/ Tjuwaliyn Wagiman Aboriginal Corporation*
1145	Protecting river catchments and the Great Barrier Reef following flood events *Ivezich, Misko - Alluvium Consulting Australia*	Novel evapotranspiration model to inform future management using past riparian vegetation trends *Doody, Tanya - CSIRO, Australia*	A framework for water resource planning through community engagement: A case of inter-state boundary conflict in India *Neog, Kangkanika - Council on Energy, Environment and Water, India*	From an objective failure to a framework for evidence-based stormwater policy *O'Neill, Andrew - Healthy Land and Water, Australia*	Do environmental flows in Australia have a public relations problem? *Hanasz, Paula - independent consultant, Australia*
1200 – 1215		What can predictive eco-hydrology tell us to help inform water management in the Basin? *Stratford, Danial - CSIRO, Australia*	Inclusive civil society participation in water governance in the Mekong *Sim, Socheata - OXFAM, Cambodia*	Landholders driving change: designing cost-effective approaches to remediate large-scale dispersive erosion gully features on grazing lands *Lucas, Rohan - Alluvium Consulting Australia*	The path to water sovereignty - Cultural Flows in action *Mooney, Will – Murray Lower Darling Rivers Indigenous Nations, Australia*

1230 Lunch

Networking | Plenary | Session | Learn-Inspire–Transform

Monday 15 October 2018

Room	North 1	North 2	Signorelli	Parkview 1	Parkview 2
	Achieving Sustainable Development Goal 6: Targeting Nexus (DFAT Sponsored LIT Session) (PART 1) *Russell Rollason*	**Traditional Knowledge and Cultural Heritage** *Will Mooney*	**Engagement, Inclusiveness and Ethics** *Paula Hanasz*	**Wetlands** *Lisa Thurtell*	**International RiverFoundation Alumni** *Tara Davis*
1330	Achieving the six targets under SDG 6 provides significant opportunities to contribute to other SDG goals. The water-food-energy- climate change –peace etc nexus presents the challenge of focussing to have impact but recognising that water also provides opportunities for more integrated planning to address socio-economic and environmental issues that depend on water. The workshop will explore the nexus issues through activities targeting each of the six targets under SDG6. This session will include views from the field in India and Cambodia as well discuss how gender and social inclusion is important to delivering on improved sustainable and equitable water management. An outline of DFAT's new Global Water Security Initiative will also be presented.	Using vulnerability assessments to design a "big river" flow studies in catchments involving multiple indigenous groups *Tipa, Gail - Tipa & Associates, New Zealand*	Delivering priorities for the Gippsland lakes through partnerships *Phillipson, Sean - East Gippsland Catchment Management Authority, Australia*	Designing A Bird Airport – An innovative ecosystem for migratory shorebirds under threat from habitat loss *Knights, David - Mcgregor Coxall, Australia*	THIS IS AN INVITATION ONLY SESSION Over the last 6 months IRF has supported development of an Alumni Network, which includes all past international and regional River*prize* winners and finalists. A team of a dozen Alumni across the globe have served as steering committee members to help create a foundation and framework for the new network. A draft Alumni Network "Charter" has been produced by the committee for the greater Alumni community to finalize during the Special Session. This will be an interactive workshop for Alumni participating in person and virtually to develop a year-one work plan for the network, prioritizing specific services and coming up with discrete next steps. The Special Session is invite-only for IRF Alumni, board and staff and will be closed to outside participation.
1345		Water resource development as opportunities to strengthen co-existence: Learnings from Indigenous Traditional Owners of the Mitchell Catchment, Queensland *Lyons, Ilisapeci - CSIRO, Australia*	The Truckee River Basin: Collaboration out of Necessity *Loux, Jeff - Town of Truckee, United States*	Rigorous science helps develop Barwon-Darling Valley Floodplain Management Plan to maintain flood connectivity to important wetlands and riverine ecosystems *Hunter, Simon - NSW Office of Environment and Heritage, Australia*	
1400		Traditional knowledge of Carps Egg collection and livelihood status of egg collector in the Halda River: A natural fish spawning heritage of Bangladesh *Kibria, Md. Manzoorul - University of Chittagong, Bangladesh*	Participatory research of public space in the fluvial landscape of the city of Valdivia, Chile. *Lehner, Daniela - Instituto de Arquitectura y Urbanismo. Universidad Austral de Chile*	Monitoring inundation extents from space: evaluating outcomes of environmental watering in floodplain wetlands *Thomas, Rachael - NSW Office of Environment and Heritage, Australia*	
1415		Gayini Nimmie-Caira: large-scale cultural and ecological restoration in NSW, Australia. *Woods, Rene - Nari Nari Tribal Council, Australia*	Enhancing integrated river management for sustainable communities development, long-term sustainability, healthy river ecosystem, capacity building. *Harris, Sylvester P. - Poverty Reduction Initiative (PORIN), Liberia*	Using technology and rural floodplain management to help future-proof flood-dependent wetlands *Taylor, Joanna - Office of Environment and Heritage, Australia*	
1430			Water and Environmental Management Crisis in Rohingya Camps *Kabir, Farah - ActionAid Bangladesh* (Ends 1415)		
1500	Afternoon tea				
1530 – 1700	**Achieving Sustainable Development Goal 6: Targeting Nexus (DFAT sponsored LIT session) (PART 2)**	**How Much is a River Worth to a City? (Sydney Water Sponsored LIT session)** *Phillip Birtles*	**Mapping of indigenous and cultural values of water and river systems; examples from the Murray Darling and Lake Eyre Basins (Australia).**	**Emerging River Professional Award (ERPA) finalist presentations** *Marie Aislin Cabriole*	**Establishing and Maintaining River*prize* Twinning Partnerships – Recipes for Success** *Carla Littlejohn*
	See Part 1	As we plan for Australian cities to rapidly grow and densify, do rivers, streams and estuaries really add to the quality of life for residents and workers? Will expensive waterway improvement works ever be considered seriously against major city infrastructure like rail and road projects? How do we appropriately account for all the "intangibles" a healthy urban waterway provides? We take some economic experts from pioneering work in both Sydney and Melbourne and put them together for a provocative and enlightening panel session.	Indigenous peoples often visualise and understand their rivers and water resources in a way that is quite different from modern hydrological and spatial mapping. Despite its value to water management, mapping of that visualisation, and associated recording of cultural value, is rarely done in a way that adequately reflects this knowledge and also provides a resource for indigenous communities. This session will look at two examples from Australia where that has been attempted and will encourage others with similar interests and experiences to share experience.	Mapping of Diffuse Pollution Risk for Prioritisation of Ecological Infrastructure Protection *Nsibirwa, Nantale - University of KwaZulu-Natal, South Africa* Chain of Ponds - Moonee Ponds Catchment Collaboration *Francis, Julie - Melbourne Water / City of Melbourne, Austria* Contributing on the development of an Integrated Water Management System, in the peasant community of San Pedro de Casta, Lima Peru. *Fernández López-Lavalle, José Antonio - AQUAFONDO, Peru*	As part of the Thiess River*prize*, winners may be eligible to receive funding to establish a Twinning project with another river basin organisation or community that would benefit from their experience and expertise. The IRF assists by facilitating these projects and acting as a catalyst to assist twinning partners with seed funding and matching and providing networking opportunities. River*prize* Twinning provides an exchange of experience and skills based around personal relationships and can range from building capacity for on ground restoration activities, to mentoring and building capacity within organisations to improve river frameworks and policies. This is not an easy task and it is often hard to establish relationships and maintain momentum. Successful twinning requires a combination of committed project champions, hard work, enthusiasm and innovative funding mechanisms. In this LIT session, we invite representatives from the Tweed-Kenya Mentoring Program and Sunshine Coast Rivers Initiative to talk about the ingredients for establishing and maintaining successful twinning programs. Participants will hear about realities and challenges and how our partners overcame these to deliver their programs and will have an opportunity to engage in active discussions to assist with identifying the skills, knowledge, tools and commitment needed to establish successful, long-term twinning relationships. The session will include 40 minutes of presentations, followed by 50 minutes of interactive panel Q&A session.
1830 – 2030	**Diversity in Water** **($80)** Soho Room, Doltone House, Jones Bay Wharf *Lucy Marshall*				

Program

Tuesday 16 October 2018

0700 – 0830	**EWPP Water Wisdom Breakfast** THIS IS AN INVITATION ONLY EVENT *Convenor: Vanh Mixap*				
0900 – 1030 North wharf	**Keynote** **Wouter T Lincklaen Arriëns: TransformationFirst.Asia Pte Ltd: Starting with Transformation: How Leaders Take a Personal Approach** **Keynote** **Dr Ir. Khin Ni Ni Thein: National Water Resources Committee, Myanmar A case study of the Ayeyarwady River** *Chair: Philip Weller*				
1030	Morning tea				
Room	North 1	North 2	Signorelli	Parkview 1	Parkview 2
	Integrated River Basin Management *Fiona Chandler*	**River Science** *Tanya Doody*	**Water Security, Climate Resilience and Flooding** *Piet Filet*	**Water for Industry and Agriculture** *Mahala McLindin*	**GEF/IRF IW:LEARN Twinning Exchange** *Carla Littlejohn*
1100	Lessons from the Aorere River: the New Zealand River*prize* Winner *Edgar, Nick - NZ Landcare Trust, New Zealand*	Waterbird recruitment and movements: New information for water and wetland managers. *McGinness, Heather - CSIRO, Australia*	Brisbane Citywide Overland Flow Path Modelling and Flood Risk Mapping *Casabella, Joe - Brisbane City Council, Australia*	Embracing innovation proves a win-win-win for rivers, irrigators & communities *Strang, Meg - NSW Dept of Primary Industries - STBIFM*	THIS IS AN INVITATION ONLY SESSION The Global Environment Facility (GEF) is a global partnership among 183 countries, international institutions, NGOs and the private sector to address global environmental issues, while supporting national sustainable development initiatives. GEF International Waters: Learning Exchange and Resource Network (IW:LEARN) offers stakeholders in GEF IW, the opportunity to request support for learning exchanges across GEF IW projects and regions. The International Riverfoundation (IRF) is partnering with GEF IW:LEARN to deliver a number of twinning exchanges between GEF and IRF partners who would mutually benefit from each other's knowledge and experience. The purpose of this session is to facilitate discussion and workshop ideas on how each of the partners can establish a twinning relationship. The key outcome of the workshop will be delivery of a draft 'Twinning Proposal' for each partner.
1115	Managing the Brahmaputra River – A Bangladesh Perspective *Rahman, Md. Habibur - Bangladesh Water Development Board, Bangladesh*	Measuring productivity of Australian tropical estuaries using standing stock analysis *Fries, Jakob - James Cook University/ Queensland government, Australia*	The Flood Resilient Homes Program – empowering residents to live through floods *Casabella, Joe - Brisbane City Council*	Transforming agriculture in the Pilbara through river and groundwater-fed irrigation *Dowsley, Kate - Jacobs, Australia*	
1130	River Rejuvenation: An innovative methodology of planning and implementation as applied in Kumudvathi river-basin, Bengaluru Rural, India *Yale, Lingaraju - International Association for Human Values, The Art of Living, India*	An analysis of ecological effects on intake areas along the way of large cross-basin water transfer projects *Yin, Jing - China Institue of Water Resources and Hydropower Research, China*	A systems approach for stress-testing and maximising the resilience of climate-sensitive systems *Westra, Seth - University of Adelaide, Australia*	Water-Energy-Food Nexus Assessment in the Lower Mekong Basin *Sridhar, Venkataramana - Virginia Tech, United States*	
1145	An innovative approach to collaborative natural resource management in the Bremer River catchment *Bob Hampson &, Danielle Andlemac - Bremer River Fund, Auspiced by the International RiverFoundation, Australia*	Spatio-Temporal Variation of Zooplankton Community of the Natural Carp Spawning Ground of Halda River with Relation to Physico-Chemical Factors *Kibria, Md. Manzoorul - University of Chittagong, Bangladesh*	Upgrading the seasonal streamflow forecast service for Australia: transition from seasonal to multi-month forecasts *Mekanik, Fatemeh - Bureau of Meteorology, Australia*		
1200	Numerical Modelling for Planning and Hydraulic Design of Road and Associated Road Structures in Complex Physical and Hydrological Settings in Bangladesh *Kanungoe, Pintu - River Research Institute, Bangladesh* (End 1215)				
1230	Lunch				

Networking Plenary Session Learn-Inspire–Transform

Tuesday 16 October 2018

Room	North 1	North 2	Signorelli	Parkview 2
	Water Sensitive Cities *David Knights*	**Water and SDGs interactions – creating a positive-sum game (CSIRO Sponsored LIT Session) - Part 1** *Eva Abal*	**Co-designed pathways to deliver integrated catchment & flood solutions (Suncorp/Watertech Sponsored LIT session)** *Piet Filet*	**Sustainable Hydropower** *Sridhar Venkataramana*
1330	Creating Water Sensitive River Cities *Chandler, Fiona - Alluvium Consulting Australia, Australia*	Water is a currency that links to nearly every SDG, and a critical determinant of success in achieving them. There is a need for water centric SDG frameworks that allows a user to understand the interactions and implications of applying a set of policies and regulations. The outcomes can be positive or negative, primarily driven by resources available and the ability to identify and apply relevant context setting. In this LIT session, we invite our participants to an interactive positive sum-game set up exploring the interplay between SDGs using water as a common currency. The aim is to identify positive and negative interactions highlighting how different water policy choices may affect various SDG objectives. Via two contrasting case-studies, we explore the benefits and trade-offs under selected intervention scenarios, with the goal to identify the commonalities and potential divergence of outcomes between the two case studies. The session structure will involve context and problem definition remarks from key individuals, and setting up a skeleton water-centric SDG framework. The participants will work in teams using the skeleton framework to explore benefits and trade-offs in the two case-studies. Through their collective experiences, we anticipate an evolution towards an adaptive framework that better accounts for both co-benefit and trade-off interactions and allows the user to shift decision making towards a positive-sum outcome.	The impetus to build resilient healthy catchments & communities is mounting and is critical if the impacts from an ever-increasing frequency of flood events are to be managed. In this workshop we will demonstrate how a co-designed pathway to build resilience to floods has been used by agencies & local communities to develop catchment-based solutions in Queensland, Australia. The concept of a Fluvial Transect developed in the SEQ WaterFutures project in 2016, using a design charrette methodology, has been the foundation for this approach. We will outline the steps of: • use a visual approach to identifying problems • collaboratively develop options through drawing & discussion • build a suite of preferred solutions • how this is an alternate to a technical lead flood modelling approach that too often limits this diversity of participation. Participants will then have an opportunity to apply this approach, with guidance from the workshop team, in small group activity to catchments they know. A recent application of this approach to build "A connected catchment" in the Burnett Catchment Flood Resilience Strategy will also be presented, showing footage of the approach, extracts from a large catchment base map (9m by 9m) and steps to make this partnership approach match the local risks that need to be overcome. The experienced project team of collaboration, catchment and resilience specialist will share their tips on how this approach can work in any catchment and build a pathway of that delivers locally designed solutions for their communities well-being and safety.	Sustainable hydropower development and governance in the context of transboundary water resources management: A perspective from the Mekong River Commission *Pham Tuan, Phan - Mekong River Commission Secretariat*
1345	Swimming in Urban Waterways – aspirations, expectations and the bite of reality *Weber, Tony - Alluvium Consulting Australia, Australia*			Cultural Flow and Hydropower Development: Case of conflict in the Bhilangana River Basin, Uttarakhand, India *Shrestha, Rashmi - Icimod Water And Air Department, Nepal*
1400	The future of urban rivers in the burgeoning megacities of Australia *Morison, Peter - Alluvium Consulting, Australia*			An evaluation system of river basin sustainable development *Liu, Chunna - China Institute of Water Resources and Hydropower Research, China*
1415	Phosphorus offsetting: How new urban growth can support phosphorus reduction and innovative stormwater management. *Longstaff, Ben - LSRCA, Canada* (End 1430)			Research on key technologies and applications of alternative habitats protection in tributary *Wu, Sainan - China Institute of Water Resources and Hydropower Research, China* (End 1430)
1500	Afternoon tea			

Room	North 1	North 2	Signorelli	Parkview 1	Parkview 2
	River*prize* Finalists *Deb Nias*	**Water and SDGs interactions – creating a positive-sum game (CSIRO Sponsored LIT Session) - Part 2** *Eva Abal*	**Achieving River Resilience for Future Generations (SEQ Council of Mayors Sponsored LIT session)** *Kaye Cavanagh*	**Governance, International Relations and Leadership** *Phan Pham Tuan*	**Technology Innovation in Restoration and Monitoring** *Phillip Jordan*
1530		See Part 1	How resilient are our rivers as we head towards an often-uncertain future? South East Queensland (SEQ) is facing this issue with its population forecast to reach 5.3 million people by 2041, a deteriorating catchment and a changing climate. SEQ has a reputation as a liveable destination due to its subtropical climate however, the severe flooding events of 2011 and 2013 heavily impacted the region with loss of life, interruptions to water supply, widespread infrastructure damage and impacts on Moreton Bay. The events led Council of Mayors (SEQ) to advocate for the establishment of a strategic agreement between leaders of government, councils and water service providers to work collaboratively to protect the region's rivers and catchments. The South East Queensland Resilient Rivers Initiative (SEQ RRI) has demonstrated an effective approach to coordinating action across the region and across ten Councils. During this session we will explore the resilient rivers concept both in Australia and internationally. Carla Littlejohn will provide an overview of the proposed Resilient Rivers Blueprint, aiming to improve the capacity of rivers and communities to recover from disturbances. Organisations from around the world will be given an opportunity to commit to transforming their rivers into resilient rivers. Mayor Karen Williams, Board member of Council of Mayors (SEQ) and representing the SEQ Resilient Rivers Taskforce, will provide an overview of the SEQ RRI case study. Diana Dawson will then provide details of implementation. The session will include presentations, followed by an interactive panel Q&A session, whereby participants are invited to provide input and share their experiences.	The Yarra River Protection Act (Willip-gin Birrarung murron) – first steps in implementing a bold act *Kelly, Andrew - Yarra Riverkeeper Association, Australia*	Applying drone tech to river restoration, design monitoring and reporting *Parker, Nathaniel - AirBorn Insight, Australia*
1545				The independent voice of the river – A comparison between the Yarra River's Birrarung Council and the human face of the Whanganui River, Te Pou Tupa *O'Bryan, Katie - Monash University, Australia*	An Innovative Water Control Room For The Goulburn Broken Catchment Management Authority – Turning Data Into Information And Knowledge *Jackson, Brian - Water Technology Pty Ltd, Australia*
1600				River Governor System Model and effect of the water environment administration system in China *Shuang, Zhang - China Institute of Water Resources and Hydropower Research, China*	Scaling up water quality simulations in space and time *Joehnk, Klaus - CSIRO Land and Water, Australia*
1615 – 1700				Water resources management in an international basin: Inco-Maputo *Gyedu-Ababio, Thomas - Inkomati-Usuthu Catchment Management Agency, South Africa* (End 1630)	Streamlining and automating environmental Reporting *Johnston, Nathan - Fitzroy Partnership for River Health, Australia* (End 1630)
1815 – 2200	River*prize* Gala Dinner Heritage wharf, Doltone House. Cost included in full registration.				

Program

Wednesday 17 October 2018

0900 – 1030 North wharf	**Keynote** Professor William Dennison, University of Maryland: Creating and communicating environmental intelligence 2018 Australasia River*Prize* Winner 2018 Asia River*Prize* Winner *Chair: Deb Nias*			
1030	Morning tea			
Room	North wharf	Signorelli	Parkview 1	Parkview 2
	SDG 6 – Implementing the Targets (UNSW Sponsored LIT Session) - Part 1 *Gregory Leslie*	**Communicating Science** *Bob Hampson*	**Technology Innovation in Restoration and Monitoring** *Jeff Loux*	**Science to Policy** *Mark Drury*
1100	The world faces major challenges for sustainability including widespread loss of ecosystem services, resulting from unprecedented rates of biodiversity loss. This is straining planetary boundaries for human existence, including global freshwater use, which has likely already exceeded its planetary boundary. The world's freshwater realm is most severely affected, where the links between ecosystem function and services are critical for human wellbeing. Following the United Nations Rio+20 Summit in Brazil in 2012, the U.N. advanced the 2030 Agenda for Sustainable Development, with the goal to inspire a global transition toward a sustainable and resilient planet through bold and transformative change, requiring a key focus on life's support systems and alleviation of poverty. This session will use a river basin management approach that considers the ecosystem, governance, and legal frameworks when using global indicators and supporting United Nations Sustainable Development Goal 6 (Water and Sanitation) to meet its targets. We will begin with a presentation of the work already done on four of the indicators supporting the targets, followed by a sharing and discussion of the challenges and opportunities for implementation in different river basins of the world. Attendees will be able to contribute their personal experiences and expertise in relation to key challenges such as governance and data availability.	An innovative, cloud based, property flood reporting portal for Greater Shepparton City and Goulburn Broken CMA *Jackson, Brian - Water Technology Pty Ltd, Australia*		Predicting and regulating boat-generated waves within rivers and sheltered waterways *Macfarlane, Gregor - University of Tasmania, Australia*
1115		Using fuzzy cognitive maps to visualize and utilize indigenous knowledge and science in freshwater management *Tipa, Gail - Tipa & Associates, New Zealand*	Cheaper by choice: The hunt for affordable nitrogen sensors *Hammill, Ben - Department of Environment and Science, Australia*	Science-policy interface: Significance of women's Indigenous knowledge systems for adaptation to floods in Brahmaputra River *Katyaini, Suparana - Indian Institute of Technology Delhi, India*
1130		Augmented reality keeps rivers free-flowing *Blancard, Catherine - WWF, United States*	The Gingham Watercourse – How a biplane aided restoration *Albertson, Daryl - Mr, Australia*	Undermining the world's rivers: Global review of the impacts of sand mining and potential solutions *Goichot, Marc - WWF*
1145		The effectiveness of report cards in influencing decision making and behaviour change: A comparative study of SEQ and the GBR *Greenlee, Madeleine - Bligh Tanner*	Utilising remote sensing techniques to identify irrigated crop areas and off river storages *Lu, Yi - NSW Department of Industry, Australia*	A synthesis of knowledge to support the assessment of impacts of water resource development to environmental assets in northern Australia *Pollino, Carmel - CSIRO, Australia*
1200		Effective biological indicators for river health report cards *Flint, Nicole - CQUniversity, Australia* (End 1215)	Development of metrics and an electronic platform to allow rapid visual assessment of urban streams for multiple values *Reid, David - Georges Riverkeeper, Australia* (End 1215)	
1230	Lunch			

Wednesday 17 October 2018

Room	North wharf	Signorelli	Parkview 1	Parkview 2
	SDG 6 – Implementing the Targets (UNSW Sponsored LIT Session) - Part 2	**Taking the urban river plunge - how we are making the Parramatta River swimmable again - Parramatta River Catchment Group LIT Session** *Phillip Birtles*	**Inclusive approaches to integrate knowledge streams, build environmental intelligence, and engage stakeholders** *Simon Costanzo*	**River City Economies (Brisbane City Council Sponsored LIT Session)**
1330	See Part 1	The Parramatta River is the main river flowing into the iconic Sydney Harbour. It flows through the heart of one of the fastest growing regions in Australia, with the burgeoning metropolis of Parramatta now dedicated as the 'Central River City' in the three city vision for greater Sydney. This change brings with it a major opportunity in how we view and manage the river going forwards. In 2014, the Parramatta River Catchment Group launched the mission to make the Parramatta River swimmable again by 2025. At the time, this was greeted with a mix of responses, from 'wow, what an ambitious and exciting mission' to 'you have to be joking, who would want to swim in that?'. Four years on, we now have a well-researched and supported ten step plan for how this mission will be achieved. We also have a number of success stories that have built support and confidence along the way. Importantly, we can also already swim at four sites along the river. During this LIT session, participants will hear about how we have developed the Parramatta River Masterplan, our ten step plan to making the river swimmable again. During the panel session, we will encourage others to ask questions and share their own experiences and insights. Through this, we hope to inspire new approaches to urban river management and community engagement, and learn from each other to help further transform the way we view and manage the Parramatta River and other urban rivers across the world.	Identifying river restoration and conservation goals that are acceptable to all sectors requires meaningful engagement from all relevant stakeholders, but incorporating knowledge streams from these varied perspectives is challenging. Developing a river basin report card has been used as a catalyst to incorporate these knowledge streams and foster commitment to improving conditions from all relevant sectors. This process increases local capacity for environmental decision making and represents a pathway to link local priorities to national, regional, and global initiatives (e.g. Sustainable Development Goals). This session aims to investigate opportunities to insert "intelligent" reporting of information so that local communities can benefit and respond to national, regional and global findings. This will be a fun and interactive session including role-playing and group discussions using River Basin Health as the session focus. Participants will role play ten different knowledge providers: 1) observational knowledge (e.g., fisher), 2) social network knowledge (e.g., community leader), 3) monitoring knowledge (e.g., resource agency scientist, 4) indigenous knowledge (e.g., local elder), 5) event knowledge (e.g., long term resident), 6) governance knowledge (e.g., local mayor), 7) communication knowledge (e.g., news reporter), 8) emotional knowledge (e.g., poet/artist, 9) ecological knowledge (e.g., ecologist), 10) business/corporate knowledge (e.g., CEO of water provider). Participants will also identify impediments and propose solutions to "intelligent environmental reporting" so that local stakeholders are able to better manage their local environment.	Cities have been built alongside rivers and their floodplains. It's our rivers that shape a city's urban landscape, economy and culture. At the same time, the city reshapes its river. Cities have utilised, modified, and engineered their rivers, altering ecologies and creating new landscapes in the process of urbanisation. A city's economy is underpinned by its natural resources, and rivers are at the heart a city's economy. From water supply to transport corridors, cities rely on rivers. In contrast, rivers can be costly in terms of flood impacts, clean up and recovery. To attract investment and improve liveability, many cities are revitalising their riverfronts which presents opportunities to grow economies, reenergise communities and bring nature closer people. Three river cities will describe their relationship to their river and how it's shaped their city's economy and lifestyle. Brisbane, Australia, San Antonio, USA (2017 International River*prize* winner) and Vienna, Austria. *Speakers:* *Shawn Day, Economic Development Manager, Brisbane City Council* *Suzanne Scott, General Manager, San Antonio River Authority* *Walter Kling, Deputy Managing Director, Vienna Waterworks*
1500	Afternoon tea			
1530 – 1630 North wharf	**Plenary session – Closing Ceremony** **Keynote Panel Discussion** **2019 International River*symposium* announcement** *Chair: Paul Greenfield*			
1800 – 2000	**EWPP Celebrations Dinner** THIS IS AN INVITATION ONLY SESSION *Convenor: Vanh Mixap*			

Thursday 18 October 2018

0800 0930 0930	**Study Tours** **Tomago Wetland** – full day tour of award winning wetland restoration ($85 + lunch costs). **Duration 0800–1800** **Our Living River Tour** – Making Paramatta River Swimmable Again ($50 including lunch). **Duration 0930–1600** **Annandale Morning Walk** – 1/2 day walking tour. Participants will need Opal Travel Card with at least $10 credit (free + morning tea costs). **Duration 0930–1330**

Networking Plenary Session Learn-Inspire–Transform