

MONDAY 10TH DECEMBER

- 8:00 Short Course Registration at Albury Entertainment Centre
 - 8:30 Bus depart Albury Entertainment Centre fro CSU
 - 9:00 Short Courses Start
 - 10:30 Morning Tea
 - 12:30 Lunch
 - 15:00 Afternoon Tea
 - 17:00 Courses End and load buses
 - 18:00 Welcome Reception & Cultural Evening
- 12:00pm - Conference Registration opens at Albury Entertainment Centre

TUESDAY 11TH DECEMBER

- 8:30 Conference Introduction
- 9:15 **Phil Duncan** - Indigenous Engagement & Inclusion In Fish Passageway Initiatives
- 10:00 **Martin Mallen-Cooper** - Fish Passage; the Art of the Possible
- 10:45 Vendor 1 Minute Pitches

Morning Tea					
Room	Auditorium	Chandelier Room	Theatrette	Elizabeth B	Elizabeth A
	Hydropower & Fish Symposium I	Fish Guidance and Diversion Screening I	River connectivity and fish passage I	Non-salmonid passage I	Fish Passage Design - Road Crossings I
	<i>Session Chair: Lee Baumgartner</i>	<i>Session Chair: Craig Boys</i>	<i>Session Chair: Luiz Silva</i>	<i>Session Chair: John Harris</i>	<i>Session Chair: Dan Shively</i>
11:10	Hydropower symposium opening presentation. Hans-Petter Fjellstad (Chair of the ANNEX XIII: Hydropower and Fish - IEA-Hydro)				
11:40	The Xayaburi fishpass system a design concept and development, Michael Raeder	Influence of hydraulics on the downstream migratory route of Atlantic salmon (<i>Salmo salar</i>), Ana Teixeira da Silva	Fishway targets should support population viability - Metapopulations, habitat shifts and gene flow, Martin Wilkes	Passage of pouched lamprey (<i>Geotria australis</i>) in vertical-slot fishways, Brenton Zampatti	Swimming in a 3D world: sediment deposition affects passage and behavior of juvenile rainbow trout in a baffled laboratory flume, Jason Duguay
12:00	Modification of Navigation Locks for upstream fish migration, Thanasak Poomchiavej	Behavioural guidance of outmigrating eels in a large river system, Thomas Pratt	Why landscape connectivity matters to fish populations., John Koehn	Upstream passage and attempt behaviour at a sloping weir by migrating adult river lamprey: are studded tiles effective in improving longitudinal connectivity?, Jeroen Tummers	Stairs Pipe culverts: flow simulations and implications for European and Brazilian fishes, Hersilia Santos
12:20	Assessing the effectiveness of first fish passage facility to enhance sustainability of inland fishery resources in Indonesian River: a case study in Komerling River, South Sumatera, Indonesia, Arif Wibowo	Evolution of the fish sorting and debris handling system at the Swift Hydroelectric Project Floating Surface Collector for juvenile salmonids, Dana Postlewait	Move it or lose it: restoring movement pathways for fish in freshwater rivers, Jason Thiem	Quantifying the fine-scale behaviour of spawning run river lamprey (<i>Lampetra fluviatilis</i>) approaching a low-head weir retrofitted with studded tiles, Jim Kerr	Fish passage hydrodynamics New Zealand context, Morten Knapp
12:40	Lunch				
	Hydropower & Fish Symposium II	Fish Guidance and Diversion Screening II	River connectivity and fish passage II	Non-salmonid passage II	Fish Passage Design - Road Crossings II
	<i>Session Chair: Daniel Deng</i>	<i>Session Chair: Craig Boys</i>	<i>Session Chair: Jason Thiem</i>	<i>Session Chair: Lee Baumgartner</i>	<i>Session Chair: Justin O'Connor</i>
13:30	Teasing out the impacts of hydropower on fisheries in the Lower Mekong Basin, Ian Cowx	CFD modeling of fish exclusion screens, Amir Isfahani	Partial migration: some causes, consequences and connectivity, Anders Nilsson	Novel fishway entrance modifications to improve passage for native fish, Chris Caudill	Fish Passage Considerations though Slip-Lined Culverts with and without Baffles, Blake Tullis
13:50	Understanding mortality mechanisms in hydro power plants: implications for Mekong hydropower development, Garry Thorncraft	Ultrasound to guide American shad toward a spillway, Jean Caumartin	Exploring outcomes and assumptions of successful fish passage in the Murray-Darling Basin using individual-based modelling., Daniel Svozil	Improving the conservation status of Arctic grayling: combining laboratory, field and modeling techniques to support the agency-irrigator decision making process, Katey Plymesser	Improving fish swimming performance through the provision of roughened channel beds: implications for culvert remediation efforts in Australian waterways, Rebecca Cramp
14:10	Assessing fisheries and environmental impacts and proposing policy recommendations for sustainable development of Mekong River Basin, So Nam	Group behavioural responses of cyprinids to artificial acoustic stimuli: implications for fisheries management, Helen Currie	The migrations of amphidromous species: implications for fish passage and water infrastructure, Matt Jarvis	What did the shad say to the fishway entrance? More submergence please, Kevin Mulligan	Baffles versus beams: strategies to improve fish passage through culverts., Jabin Watson
14:30	Megadams and goliath catfish management in Amazonian scale: running against the wind. Lisiane Hahn	Fish deterrents and screen designs, Peter Ebenwaldner	Development of a fish passage inventory and evaluation of success rates of major fish passages on fish movements through barriers in regulated river systems of China, Jinlong Liu	Arctic Grayling and Denil Fishways: Research to Determine Swimming and Passage Capabilities of Grayling in Relation to Fish Barriers, Kevin Kappenman	Issues and design considerations when negotiating fish passage at everyday road causeways+E55, Jonathan Yantsch
14:50	52929: Assessing the swimming ability and performance of Schizothorax oconnori to cross velocity barriers in fishway. Xiaotao Shi	Screening the Cohuna Channel to keep native fish in Gunbower Creek, Nicole Bullen	De-congesting London: Improving River Connectivity for Lowland River Fishes in Urban Streams, Angus Lothian	Reducing slope improves small fish passage through a Denil fishway. Lee Baumgartner	A Cross-section of Hydraulic Design Solutions to Address Vertical Profile Constraints at Road Crossing Design Projects, Mike Garelio
15:10	Afternoon Tea				
	Hydropower & Fish Symposium III	Dam Removal	River connectivity and fish passage III	Non-salmonid passage III	Fish Passage Policy and Management
	<i>Session Chair: Daniel Deng</i>	<i>Session Chair: Herman Wanningen</i>	<i>Session Chair: Brenton Zampatti</i>	<i>Session Chair: Tim Marsden</i>	<i>Session Chair: John Harris</i>
15:40	The effect of weir crest width and discharge on passage performance of a potamodromous cyprinid. Jose Santos	Dam removal europe: refuting myths and supporting professionals, Herman Wanningen	Sequential fishways reconnect a coastal river, Meaghan Duncan	Following the migration of glass eel and three-spined stickleback passing Europeans largest pumping station and world's largest sluice, Ben Griffioen	Exploring ways to deliver better fishway management, Justin O'Connor
16:00	Fish Passage Challenges and Opportunities in Indonesia, Arif Wibowo	Capturing the WIIFMs: a citizen handbook tool for influencing public perception of dam removal and fish passage projects, Lisa Hollingsworth-Segedy, AICP	Fish barrier removal and river connectivity support glenelg river tupong populations., Stephen Ryan	Do silver eel find their way along sluices and pumping stations in highly regulated water systems, Ben Griffioen	The Alaska model of fish passage policy, William Rice
16:20	Stress indicators in Prochilodus lineatus breeders during migration through a fish ladder. Sergio Martrakis	Dam Removal: When Less is More, Laura Wildman	Monitoring the Penobscot River Restoration Project: Baseline Data to Inform Ecosystem Response, Molly Payne Wynne	Migration of juvenile American eels through 2 power generating stations in the St-Lawrence system, Jean Caumartin	River connectivity and fish migrations a missing link in Water Resource Management in South Africa, Gordon O'Brien
16:40	Effectiveness of a fish ladder for two Neotropical migratory species in the Parani River. Sergio Makrakis	Damming a bedrock cut to daylight a buried stream under an abandoned railroad crossing in the Eel River Canyon of northwest California, Michael Love	Fishways provide catchment-scale improvements to a diadromous fish population upstream of a barrier, Frank Amtstaetter	Enhancing upstream passage solutions for juvenile eels: effects of climbing substrate and ramp placement, Johan Watz	The ecosystem service values of fish ladders in poor counties: Who should pay?, Bethany Cooper
17:00	Upstream passage of adult sea trout (<i>Salmo trutta</i>) at a low-head weir with an Archimedean screw hydropower turbine and co-located fish pass, Jamie Dodd	Landscape scale adoption of barrier removal and floodplain restoration to help fish and people adapt to climate change. Alison Bowden	Barriers benefiting biodiversity: when the lack of upstream fish passage is equally important, Tarmo Raadik	eDNA as an efficient tool to assess the distribution of European eels upstream of pumping stations, Jon Bolland	Gender impact: a forgotten dimension in hydropower, Dongdavanh Sibouthong and Ian Cowx
17:30	Technology Social				

WEDNESDAY 12TH DECEMBER

8:00	Registration Desk Open				
8:30	Introduction				
8:45	Bronwyn Gillanders - Using ear bones to understand connectivity and movements of fish				
9:30	Juergen Geist - Possible pitfalls in fish passage research and how to avoid them				
10:15	Distinguished Project Award				
10:30	Morning Tea				
Room	Auditorium	Chandelier Room	Theatrette	Elizabeth B	Elizabeth A
	Hydropower & Fish Symposium IV	Fish Passage in the Mekong Basin	Fish Passage Design I	Ecology of Connectivity I	Non-salmonid passage IV
	Session Chair: Luiz Silva	Session Chair: Ann Fleming	Session Chair: Chris Myrick	Session Chair: Jason Thiem	Session Chair: Tim Marsden
11:00	The Importance of a Constructed Near-Nature-Like Danube Fish Way as a Lifecycle Habitat for Spawning, Fish Larvae, Juveniles and Adults at a Long Term View with Remarks on Management. Paul Muelenbroek .	Development of a comprehensive fish passage approach for floodplains of the lower mekong basin, Oudom Phonekhampheng	Merging biology and technology to achieve selective bi-directional fish passage, Daniel Zielinski	Will they stay or will they go? Movement and recruitment dynamics of an iconic Australian freshwater fish in a cold-water impacted River, Zeb Tonkin	Steep grade ahead? Optimizing fishway designs for small-bodied Great Plains fishes., Christopher Myrick
11:20	Survival of fish passing downstream at a small hydropower facility, Stephen Amaral	Wetland fish communities above stream regulators with and without fish passage in Lao PDR, Douangkham Singhanouvong	Developing a theoretical model to help design ecologically-friendly fishway of the endangered fish species, scale-less carp (<i>Gymnocypris przewalskii</i>) in the Qinghai Lake watershed, western China, Mengzhen Xu	The role of thermal plasticity in mitigating the negative effects of cold water pollution on fish swimming performance and fitness, Craig Franklin	The challenge of passing small and large fish in rivers with highly variable hydrology, Martin Mallen-Cooper
11:40	Surface bypass as a means to protect downstream-migrating fish - lack of standardized evaluation criteria complicates evaluation of efficacy. Elena-maria Klopries	Householder catch and use of fish before and after a wetland fishway at Pak Peung, Laos PDR, Khampeng Yui Homsombath	Adding auxiliary discharge into the entrance pool of a fishway: influence of pool design on fish passage, Cornelia Schuetz	Remediation of thermal stratification in an impoundment by the use of an aeration system and its effect on downstream fish assemblages, Nathan Miles	Approaches to nonsalmonid small fish passage in arid areas of the American Intermountain West and Great Plains, William Rice
12:00	Low-sloping racks and the importance of bar spacing for fish passage, Olle Calles	A cautionary tale about the inhibitory effects of gated culverts on fish passage restoration efforts, Nathan Ning	Assessing the efficacy of flow restrictor plates in denil fishways for upstream passage of arctic grayling, Katey Plymesser	A Framework to Evaluate Vulnerability of Upriver Migrants to Existing Hydroelectric Infrastructure and Climate Change, Rebecca Flitcroft	How low do we go - Advances in fish passage technology for small fish (<100 mm long!), Tim Marsden
12:20	Comparison of sonar-, camera- and net-based methods in detecting riverine fish movement patterns. Leonhard Egg	Listening to local knowledge to inform fish passage and fisheries management, Joanne Millar	Different roles for water speed, velocity gradient, and acceleration in reproducing juvenile Pacific salmon trajectories/ passage in dammed and tidal free-flowing river environments, Andrew Goodwin	Mitigating hypoxic blackwater events in river ecosystems with irrigation infrastructure, Josh Campbell	Passage of Golden Perch and Murray Cod through ten vertical slot fishways, Matthew Gordos
12:40	Lunch				
	Hydropower & Fish Symposium V	Fish Passage in tropical systems I	Fish Passage Design II	Ecology of Connectivity II	Fish Passage Monitoring I
	Session Chair: Brett Pflugrath	Session Chair: Michael Roy	Session Chair: Tim Marsden	Session Chair: Chris Bice	Session Chair: Ivor Stuart
13:30	Predicting barotrauma susceptibility for downstream passage at river infrastructure, Brett Pflugrath	Using otoliths to quantify diadromy in the Lower Mekong Basin, An Vu	Energy efficient fish attraction, Patrik Andreasson	52795 Role of fish migrations and ecosystem connectivity in PROBFO holistic environmental flows assessments in Africa., Gordon O'Brien	Monitoring PIT-Tag Passage Through Steel Fish Bypass Baffle at Wells Dam, USA., Steve Anglea
13:50	Injury and Mortality of Two Mekong River Species to Turbulent Shear Forces, Daniel Deng	Fish passage at the Don Sahong dam site, Khone Falls, Mekong River, southern Laos, Kent Hortle	Assessing multi slot versus single slot pool-type fishways suitability for potamodromous cyprinids: An experimental approach using numerical modelling and fish, Antonio Pinheiro	The effects of river discharge and instream barriers on the fish assemblages of the Clarence Basin, New South Wales, Australia., Gavin Butler	Fishways and PIT reader systems: demonstrating the restoration of longitudinal connectivity in the Murray River, Australia., Matthew Jones
14:10	Sensing what fish feel about passage through three different low-head hydropower turbines, Craig Boys	Monitoring fish passage and fisheries at the Don Sahong dam site, Khone Falls, Mekong River, southern Laos, Kent Hortle	Seaham weir environmental flow control gates and integrated fishway, Klaas Smit	Barriers to Fish Passage in the Queensland Murray-Darling Basin Phase II: Validation of the 'Keller' method for determining discharge at weir drown-out., Janice Kerr	Use of a DIDSON acoustic camera improves fishway assessment results and understanding of fish migratory behaviour., Andrew Berghuis
14:30	Determining barotrauma in the Pictus catfish, <i>Pimelodus pictus</i> , experimentally exposed to simulated hydropower turbine passage. Luiz Silva	Dazed and confused: why behavioral constraints can impose enormous challenges to fish passage in the Neotropics, Paulo Santos Pompeu	Hydraulic design of an optimised vertical-slot fishway targeted at multi-range fish-biology based design criteria for low, medium and high river flows., Heath Robinson	Understanding the effects of flow on the movement of Yellowfish using the FISHTRAC programme as a management tool in Southern Africa: Crocodile River, Kruger National Park case study., Matthew Burnett	Fish migration assessment by acoustic telemetry in the lower Ebre river (Catalonia, NE Iberian peninsula, Europe), Marc Ordeix
14:50	Warning, it's a catfish! Novel approaches are needed to study the effects of rapid decompression on benthonic species. Luiz Silva	Evaluating the placement of PIT tags in tropical river fishes: a case study involving two Mekong River species, Lee Baumgartner	Proposal an engineering solutions for fish migration upstream and downstream over one discharge sill located on the Bistra Mărului river, Răzvan Voicu	A connectivity conundrum for freshwater eels in South Africa: comparative study for relative abundance and distribution of freshwater eels in a highly regulated and free flowing river in South Africa., Céline Hanzen	Extended question time
15:10	Afternoon Tea				
	Hydropower & Fish Symposium VI	Fish Passage in tropical systems II	Fish Passage Design III	Ecology of Connectivity III	Fish Passage Monitoring II
	Session Chair: Brett Pflugrath	Session Chair: Vanthong Phengvichith	Session Chair: Matthew Gordos	Session Chair: Jason Thiem	Session Chair: Ivor Stuart
15:40	Flow characteristics in tailrace: understanding how hydrodynamics may attract fish to hydropower plant in South America. Hersilia Santos	Determining Migration Corridors and Lifecycle cues for Key Commercial, Subsistence and Conservation Freshwater Fish in Myanmar., Maung Maung Lwin	Beyond headloss: do we have the right ecological and hydraulic metrics to determine successful fish passage in rock ramp fishways?, Tim Marsden	Restoring connectivity - how the Sea to Hume fishways will help achieve the environmental outcomes of the Murray-Darling Basin Plan., Stuart Little	Advances in machine vision scanning, Steve Dearden
16:00	Reservoir provides cool-water refuge for adult Chinook salmon in a trap-and-haul reintroduction program, Matt Keefer	The importance of determining and maintaining migration corridors for the Hilsa Shad fishery in Myanmar Inland Rivers. John Conallin	Restoring coastal connectivity through low cost rock ramp fishways, Matt Moore	Investigating larval dispersal patterns: simulating river flows in an experimental tank., Lorena Nogueira	Machine learning for automated sonar monitoring of outmigrating American eel behavior, Paul Jacobson
16:20	Optimizing hydropower development and ecosystem services in the Kafue River, Zambia, Ian Cowx	Fish ladder as connectivity in a large Neotropical river: upstream and downstream movements of <i>Prochilodus lineatus</i> , Leandro Celestino	Kyogle weir a cost effective rock-ramp fishway design, Matt Sorenson	Multiple lines of evidence reveal the contribution of non-diadromous recruitment and the importance or reversing lake outflows for supporting endemic fish populations within New Zealand's longest river., Bruno David	Is automatic monitoring accurate enough?, Magnus Asgeirsson
16:40	Hydropower effects on aquatic species: lessons from individual-based modeling. Steven Railsback	Twenty years of fish passage policies establishment in Brazil: a review of the current status of fish passage science. Luiz Silva	Targeted improvement of the Dight's Falls complex, Penny Rogers	Sins of dams over fishes in Albania, Spase Shumka	Fish behaviour at navigation locks, Raf Baeyens
17:00	Long-term study of reservoir cascade in Southeastern Brazil reveals spatio-temporal gradient in fish assemblages. Raquel Loures	Impacted fish movement into tropical freshwater wetlands discharging water low in dissolved oxygen; the tail of two wetlands, Trent Power	The cone fishway, a new fishway type suitable for the passage of juvenile tropical fish species in Queensland, Australia. Tim Marsden	Addressing the Connectivity Conundrum-A Vision for Selective Fish Passage, Andrew Muir	CFD modeling of fish passages. Amir Isfahani
17:30	Poster Session				
19:00	Public Lecture - Zeb Hogan				

THURSDAY 13TH DECEMBER

8:00 Registration Desk Open
 8:30 Introduction
 8:45 **Peter Gough** - Addressing connectivity constraints to freshwater fish: a European perspective
 9:30 **Aline Cotel** - A "Fluid" perspective on fish passage design and performance -
 10:15 Fish Passage 2020 Announcement

THURSDAY 13TH DECEMBER						
10:30	Auditorium		Chandelier Room	Morning Tea	Elizabeth B	Elizabeth A
Room	Hydropower & Fish Symposium VII		Downstream Passage I	Fish Passage Design IV	Connectivity and Invasive Species	Strategic Fish Passage Remediation I
	Session Chair: Ian Cowx		Session Chair: Paul Franklin	Session Chair: Chris Myrick	Session Chair: Jason Theim	Session Chair: Heleena Bamford
11:00	Re-thinking the hydropower design process: reversing global trends in fisheries decline requires new approaches and techniques, Martin Mallen-Cooper		Status of anadromous fish reintroduction and passage investigations at large dams and reservoirs in California, Jonathon Mann	Pool type fish passage with trapezoidal section and Fish passage with stacking boulders, Youichi Yasuda	Use of built barriers in New Zealand streams as a conservation management tool, Sjaan Bowie	NSW Fish Passage Strategy - a 20 year vision to restore waterway connectivity., Matthew Gordos
11:20	Avoiding fish passage impacts through basin-wide infrastructure project planning; Alison Bowden		Downstream passage of potamodromous fish at small hydropower plants in Austrian rivers, Pablo Rauch	Honouring the past and creating a future, David Stork	Ecological perspectives on developing methods for selective passage of fish species across anthropogenic barriers, Rob McLaughlin	Connectivity for future freshwater conservation - biophysical and institutional issues, Max Finlayson
11:40	A perspective on the need for assessing the fish transfer risk associated with pumped hydropower schemes, Elizabeth Pope		Seasonal and diurnal variation of downstream fish movement at four small-scale hydropower plants, Josef Knott	The corangamite fishway program fish passage in the coastal streams of the otway coast and barwon basins, Denis Lovric	Control of globally invasive common carp: a 10 year commercial trial of the Williams' carp separation cage in a Murray River fishway., Anthony Conallin	Region-wide expansion of the Salmon Superhighway, USDA Forest Service prioritization of fish passage barriers in the Pacific Northwest Region of the US, James Capurso
12:00	River Connectivity: Addressing the exclusion, collection or guidance of fish, debris, algae, and water temperature at dams and power plants in order to provide enhanced river connectivity, Andy Peters		Potential application of the fish-friendly Alden turbine at large projects and as a replacement unit to improve fish survival at hydropower dams, Stephen Amaral	Fish Friendly Stream Gauging Stations, Matthew Jones	Weir going to build a wall, Luke Pearce	Improving practical fishway design through a multi-disciplinary approach, Julian Martin
12:20	Fish friendliness of archimedes screw turbines: quantified by forced fish passage (Albert channel, Belgium). Raf Baeyens		The impact of pumping station entrainment on silver European eels and downstream passage at pumping stations with a gravity bypass channel, Jon Bolland	Gauging weir retrofit using cylindrical clusters for upstream fish passage of non-salmonids, Daniella Montali-Ashworth	Extended question time	
12:40	Lunch					
	Hydropower & Fish Symposium VIII		Downstream Passage II	Fish Passage Hydraulics and Modelling	Estuarine Connectivity and Passage	Strategic Fish Passage Remediation II
	Session Chair: Juergen Geist		Session Chair: Sjaan Bowie	Session Chair: Aline Cotel	Session Chair: Guillermo Giannico	Session Chair: Martin Mallen-Cooper
13:30	Fish injury and mortality in pumping stations a comparison of conventional and fish-friendly pumps, Beate Bierschenk		The impact of a high-head hydropower station on downstream migrating shortfin silver eels (<i>Anguilla australis</i>), Nicola Baker	Optimisation of Fishway Entrance and Exit Conditions Using Physical Modelling: SARFIIP Pike Floodplain Regulator and Fishway Designs, Steven Slarke	Restoring fish passage and estuarine ecosystems at tidal barriers: current practice and future directions, Chris Bice	Maintaining fish passage for Queensland's native fish species tools to facilitate fish passage across waterway barriers, Gemma Mackenzie
13:50	Evaluation of external and internal fish injury caused by hydropower plants using field-based methods and x-ray technology, Melanie Mueller		Evaluation of a fish friendly pump for increasing the survival of downstream migrating shortfin eels (<i>Anguilla australis</i>) in the Waikato, New Zealand, Mike Lake	Hydraulic Approach for Dimensioning Fish Way Attraction Flow, Martin Henning	Effects of tide gate upgrade or removal on fish passage and habitat quality: a literature review and knowledge synthesis, Guillermo Giannico	Building a fish passage assessment protocol for New Zealand: implementation of Bayesian network models for evaluating the likelihood of fish passage success at instream structures, Paul Franklin
14:10	Understanding migration behaviour to guide the development of downstream passage options for shortfinned eels, David Ikedife		The use of a novel acoustic methods for detecting pump impeller strike on downstream migrating eels in New Zealand, Bruno David	A practitioner 's approach to monitoring hydraulic performance of aquatic organism passage on constructed roughened channels, Joey Howard	Development and application of an agent based model for glass eel selective tidal stream transport, Jasper De Bie	How and where do fish cross the road? A strategic approach to fish-friendly waterway crossings, Scott Nichols
14:30	Improving fish ladder efficiency by accurately predicting and observing fish movements: results, challenges and opportunities of the case near the hydropower plant of Altusried (Germany). Raf Baeyens		Atlantic salmon smolt migration in a regulated river: are turbines the better choice?, Andrew Harbicht	Cost Effective Modelling to Improve the Functionality of the Broken Creek Rice's Weir and Kennedy's Weir Vertical Slot Fishways, Steven Slarke	Estuarine fish passes in the northern Netherlands provide contrasting windows of opportunity for migrating fish species, Leopold Nagelkerke	Finding assessing and fixing fish passage problems in Ireland, Alan Cullagh
14:50	Fish ladders at small hydropower plants and potential contribution to downstream passage of eggs and larvae. Eduardo Brambilla		The behaviour of downstream migrating silver European eels immediately upstream of a pumping station with a traditional trash rack, Leona Murphy	A comprehensive approach to vertical slot fishway hydraulic analysis, Thomas Ewing	Fish passage at tidal barrier Nieuwe Statenzijl in The Netherlands, a regional perspective, Peter Paul Schollema	This fishways too steep, this fishways too small, this fishways just right: Goldie Perch and the 135 fishways, Matthew Miles
15:10	Afternoon Tea					
	Hydropower & Fish Passage		High Level Fish Passage	Fish Passage Design V	Reconnecting with Floodplains and Wetlands	Strategic Fish Passage Remediation III
	Session Chair: Ian Cowx		Session Chair: Zhongjin Wang	Session Chair: Youichi Yasuda	Session Chair: Max Finlayson	Session Chair: Dan Shively
15:40	How different cyprinids perform in an experimental multi slot fishway? Testing its effectiveness in distinct seasons. José Maria Santos		Re-defining upstream fish passage, Tom Shearer	Evaluating the performance of a Larinier Super-Active Baffle Fishway to facilitate the upstream movement of three brown trout (<i>Salmo trutta</i>) phenotypes: Anadromous, Potamodromous, and Parr-marked., Angus Lothian	Build it and they will come. Or will they? Golden Perch in Koondrook Perricoota Forest, Wayne Robinson	Barrier Tracker - Using citizen science to build the most comprehensive atlas of barriers in Europe, Herman Wanningen
16:00	Action plan for the optimization of the fish lift built at the Touvedo hydropower plan, NW Portugal, José Maria Santos		Proof of concept for an innovative pump fishway design to move fish upstream over dams, John Harris	Cooling water temperature gradients in a fishway are associated with poor passage and increased potential for interactions between hatchery and wild salmon, Chris Caudill	Fish on the run: facilitating fish passage from drying floodplains , Ivor Stuart	Working with recreational fishers to restore native fish populations in the murray darling basin australia, Paul Childs & Troy Bright
16:20	Advances in Biological Performance Assessment of Turbines within the Industry Context: Representing Fish with Particles and Maximizing Mortality Rates of Unwanted Species, Pedro Romero-Gomez		Hydraulic optimisation of a system for transporting fish in water vertically at near-atmospheric pressure, William Peirson	Designing fishway traps for vertical-slot fishway assessments, Andrew Pickworth	Floodplain reconnection and habitat variability act as mitigation measures for sensitive rheophilic fish species in the lower rhine river, the Netherlands, Twan Stoffers	Fish Passage Remediation through the NSW Recreational Fishing Trust Habitat Action Grants, Scott Nichols
16:40	Dorrigo Plateau Run-of-River proposed hydroelectric development. Peter Lynch		Australia's first trap-and-haul fishway: Nerang River, Queensland, Steven O'Brien	Extended question time		Extended question time
17:00	Extended question time		Mud Mountain Upstream Migrant Trap & Haul Facility Design, Peter Christensen	Extended question time		
18:15	Bus depart Albury Entertainment Centre					
18:30	Conference Dinner at Noreuil Park					
23:00	After Party at Beer Delxe					

FRIDAY 14TH DECEMBER

GUIDED TOURS

7:45 Registration
 8:00 Buses Departs Albury Entertainment Centre