

Jun 20th, 8:00 AM - Jun 24th, 6:30 PM

## Program Overview

University of Massachusetts - Amherst

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# Program Overview



**Fish Passage 2015**  
**June 20-24, 2015 Groningen, The Netherlands**

<http://fishpassage.umass.edu>

*Version June 10, 2015*

# Overview

Time	FULL DAY PROGRAM – Monday, 22 June 2015				
8:00	Registration				
8:40	Introduction and Welcome by plenary session chairman, Martyn Lucas (Giant Catfish Plenary Hall)				
8:50	Plenary speaker: Zeb Hogan (University of Nevada-Reno)				
9:30	Plenary speaker: Martin Mallen Cooper (Fishway Consulting Services)				
10:10	Exhibitor Pitch Presentations				
10:20	Break				
	Track A	Track B	Track C	Track D	Track E
	Dourada Room	Barramundi Room	Happy Fish Room	Eel Room	Sturgeon Room
10:40	A1: Behavioral guidance	B1: Policy & Management	C1: Prioritizing and Evaluating River Connectivity for Fisheries Health	D1: Fishway design and hydraulic modelling	E1: Fish Migration River Project, Fish Migration at tidal barrier 'Afsluitdijk'
11:55	Intermission				
12:00	Official opening & VIP guests (Giant Catfish Plenary Hall)				
12:30	Lunch				
14:00	A2: Free Migrations for Fish: Final seminar	B2: Environmentally-enhanced turbines and turbine passage survival (I)	C2: Policy: does passing laws promote passing fish?	D2: Holistic case-study	E2: Re-opening the Rhine Delta for migratory fish
15:40	Break				
16:00	A3: EU-funded projects: Restoration of European Rivers	B3: Environmentally-enhanced turbines and turbine passage survival (II)	C3: Good examples - where are they? (Sponsored by FORTUM)	D3: Around the world: Fish Passage in Africa, Europe, America	E3: Workshop: Fish Passage in the Rhine River by the International Rhine Commission
17:40	Introductions to Social (Venue Hall: Happy Fish) (This reception is proudly sponsored by the University of Groningen, the Municipality of Groningen and the Province of Groningen)				
17:50 to 19:00	Poster and Exhibitors Session				

Time	FULL DAY PROGRAM - Tuesday, 23 June 2015				
8:00	Registration				
8:40	Introductions by plenary session chairman, Larry Greenberg (Happy Fish Plenary Hall)				
8:50	Plenary speaker: Laura Wildman (Princeton Hydro, LLC)				
9:35	Plenary speaker: Victor Mikheev (A.N. Severtsov Institute of Ecology & Evolution)				
10:20	Exhibitor Pitch Presentations				
10:30	Break				
	Track A	Track B	Track C	Track D	Track E
	Dourada Room	Barramundi Room	Happy Fish Room	Eel Room	Sturgeon Room
10:50	A4: Standardizing Fish Pass Evaluation	B4: Swimming capabilities/Fish behavior	C4: Eel Downstream Migration I	D4: Fishlifts and Fish Locks	E4: Panel Discussion: Basin-scale thinking: Balancing strategic dam siting and fish passage facilities to maintain river connectivity
12:30	Lunch Talent Room (13:15 to 14:00)				
14:00	A5: Dam removal	B5: : Nature-like fishways; design and habitat compensation	C5: Eel Downstream Migration II	D5: Around the World: Fish Passage in Asia	E5: Sturgeon Fish Passages on Large Rivers (I)
15:40	Break				
16:00	A6: Fish behavior and fishway monitoring	B6: Fishway design	C6: Eel and lamprey passage	D6: Policy & Management of Fishways on a National Stage	E6: Panel Discussion: Sturgeon Fish Passages on Large Rivers (II)
17:40 to 19:00	Social, Poster and Exhibitors Session				
19:30 to 22:30	Banquet (The Oosterpoort)				

Time	FULL DAY PROGRAM – Wednesday, 23 June 2015				
8:00	Registration				
8:40	Introductions by plenary session chairman, Guillermo Giannico (Happy Fish Plenary Hall)				
8:50	Plenary speaker: Claudio Baigún (Wetland International)				
9:35	Plenary speaker: Beate Adam (Institut für angewandte Ökologie)				
10:20	Exhibitor Pitch Presentations				
10:30	Break				
	Track A	Track B	Track C	Track D	Track E
	Dourada Room	Barramundi Room	Happy Fish Room	Eel Room	Sturgeon Room
10:50	A7: Telemetry for Fish Passage Studies - a Look into the Toolbox (Sponsored by Blue Leaf Environmental)	B7: FITFISH: Current information needs for effective fish passage management	C7: Lamprey Upstream Migration	D7: Pool Type Fishways	E7: Workshop: International Networking (Hosted by World Fish Migration Platform)
12:50	Lunch Talent Room (13:15 to 14:00)				
14:00	A8: Telemetry studies around the world	B8: Fish Biomechanics, behavior & physiology in challenging environments (I)	C8: Downstream Passage (I)		E8: Measuring the success of fish passages: from impact assessments to a virtual ecology approach, K. Philippart (Sponsored by Waddenacademie)
15:40	Break				
16:00	A9: The impacts of land use and watershed conditions	B9: Fish Biomechanics, behavior & physiology in challenging environments (II)	C9: Downstream Passage (II)		E9: Turbines & pumps
17:40 to 19:00	Conference Ends (Bar will be open)				
20:30 to 22:30	DamNation Documentary at Forum IMAGES (hosted by the World Fish Migration Platform, Arcadis and Patagonia)				

## Side Program Overview

Time	COURSE PROGRAM - Saturday, June 20 <sup>th</sup>
8:30 to 9:00	Short Course Registration (Venue: Noorderzijlvest Headquarters)*
9:00 to 17:00	Short Course: Downstream Passage
9:00 to 17:00	Short Course: Dam removal
9:00 to 17:30	Short Course: Integrating Fish Passage in Watershed Restoration Plans: How to prioritize actions and monitor their effectiveness
Time	COURSE PROGRAM - Sunday, June 21 <sup>st</sup>
8:30 to 9:00	Short Course Registration (Venue: Noorderzijlvest Headquarters)*
9:00 to 17:00	Short Course: Fishway Evaluations
9:00 to 17:00	Short Course: Technical and Nature-like Fishway Designs
9:00 to 17:30	Short Course: Integrating Fish Passage in Watershed Restoration Plans: How to prioritize actions and monitor their effectiveness
18:00 to 20:30	<b>Ice Breaker &amp; Conference Registration</b> (Venue: Oosterpoort, Groningen)**

\* Courses will held at Water Authority Noorderzijlvest, Groningen

\*\* Conference will be held at The Oosterpoort, Groningen

EXCURSION PROGRAM - Thursday, June 25 <sup>th</sup>	
7:30 to 8:00	<b>Meeting point: Groningen Train Station</b>
8:00 to 17:30	Excursion 1 (From Source to Sea)
8:00 to 17:30	Excursion 2 (Fishways at tidal barriers)
8:00 to 18:00	Excursion 3 (Fishway Geestacht, Germany)

# Daily Schedules

Time	MONDAY, 22 JUNE 2015 (Morning Session I)				
8:00	Registration				
8:40	Introduction and Welcome by plenary session chairman, Martyn Lucas (Giant Catfish Plenary Hall)				
8:50	Plenary speaker: Zeb Hogan (University of Nevada-Reno)				
9:30	Plenary speaker: Martin Mallen Cooper (Fishway Consulting Services)				
10:10	Exhibitor Pitch Presentations				
10:20	Break				
	Track A Dourada Room	Track B Barramundi R.	Track C Happy Fish Room	Track D Eel Room	Track E Sturgeon Room
	Session A1: Behavioral guidance, A. Singler	Session B1: Policy & Management, J. Coeck	Session C1: Prioritizing and Evaluating River Connectivity for Fisheries Health, G. Giannico	Session D1: Fishway design and hydraulic modelling, M. Redeker	Session E1: Fish Migration River Project, Fish Migration at tidal barrier 'Afsluitdijk', W. de Bruijne
10:40	M. O'Farrell; Upstream passage of adult salmonids: Blocking off cul-de- sacs with graduated field fish barriers	U. Pulg; The fishway guide to the galaxy	J. O'Hanley; Prioritizing barrier removals in Great Lakes tributaries: Balancing tradeoffs between native and invasive fish species	R. Czerny; Classification of flow patterns in a nature- oriented fishway based on 3D hydraulic simulation results	W. de Bruijne; Fish Friendly Spill gate management Afsluitdijk
10:55	H.P. Fjeldstad; Attraction and repulsion measures for safe bypass of Atlantic salmon smolts	E. Kampa; German participatory forum on fish protection and downstream migration	M. Ovidio; The ICE protocol for ecological continuity: a new tool to evaluate the upstream fish passage success at physical barriers	C. Schütz; How to investigate the influence of auxiliary discharge on the attraction of fishways	R. Mulder; The Fish Migration River
11:10	J. Noreika; Efficacy of pulsed air directed passage (ADP) as a means of motivating shad to pass diversion structures	V. Lauronce; Management of first dams in the tidal area of the Gironde estuary	G. Rincón Sanz; Assessing longitudinal connectivity affected by cross-sectional barriers in a riverine bidirectional network	G. Cardoso; Modelling the efficiency of a vertical slot fishway for anadromous fishes	G. van Banning (J. van der Baan); The 2 and 3D hydrodynamic functioning of a Fish Migration River through the "Afsluitdijk"
11:25	B. van den Boogaard; Effects of sluices on migrating elvers and other fish in a Dutch salt water / fresh water gradient	W. Reckendorfer; Fish passage in large rivers: challenges and solutions	C. Wolter; Prioritizing efforts to restore habitats and longitudinal connectivity for the rehabilitation of the European sturgeon ( <i>Acipenser sturio</i> ) in a German lowland river	V. Höger; Experimental study on flow patterns in vertical slot fishways	E. Winter; Behavior and abundance of diadromous fish at a large tidal barrier: in view of the Fish Migration River passage
11:40	J.P. Benitez; Historical evolution of fish biodiversity and capture periodicity in the River Meuse (Belgium) as revealed by 15 consecutive years of fishpass monitoring	N. Gillespie (R. Gubernick); Lessons Learned from Tropical Storm Irene 2.0: How Flood Resiliency Benefits of Stream Simulation Designs is Changing Policy within the U.S.	N. Breve; Supporting decision-making for improving longitudinal connectivity for diadromous and potamodromous fishes in complex catchments	T. Pratt; Towards effective, bi- directional selective fish passage	T. van der Kaaij; Hydrodynamics within a fish migration river between saline and fresh water
11:55	Intermission				
12:00	Official opening & VIP guests				
12:30	Lunch				

Time	MONDAY, 22 JUNE 2015 (Afternoon Session I)				
	Track A Dourada Room	Track B Barramundi R.	Track C Happy Fish Room	Track D Eel Room	Track E Sturgeon Room
	Session A2: Free Migrations for Fish: Final seminar, P.P. Schollema & J. Huisman	Session B2: Environmentally-enhanced turbines and turbine passage survival (I), D. Dixon	Session C2: Policy: does passing laws promote passing fish? D. van der Molen	Session D2: Holistic case-study, P. Kemp	Session E2: Re-opening the Rhine Delta for migratory fish, S. Visser
14:00	K. van de Ven; Entering Fort Knox, the tale of the brave. The policy process and cooperation in choices regarding fish passes in Wadden Sea tributaries	M. Richmond (P. Romero-Gómez); Improvement of Computational Tools for Biological Performance Assessment of Hydroelectric Turbines	L. Alvarelllos (J.P. Pertierra); EU Water Framework Directive	S. Marsh-Smith; Reconnecting the Rivers	S. Visser (A. Breukelaar); Roadmap for fish migration: opening up the Haringvliet and regional waters in the Rhine Delta
14:15	J. Huisman; Like shooting fish in a barrel: migratory behavior of fish at intertidal fish passes in Dutch Wadden Sea	M. Bruijs; Certification of 'fish-friendliness': looking through a glass darkly	A. Don; Translating Regulation into Outcome	P.B. Adamsen; River restoration in an urban context. Denmark's largest nature restoration in the city of Copenhagen	M. van Wieringen (A. Kikkert); The North Sea Canal: a highway for fish and ships
14:30	P.P. Schollema; From banging your head into a tidal barrier to migration further upstream. Migration doesn't stop at the coastline	B.M. Pracheil; A quantitative, traits-based approach for choosing and prioritizing study species for evaluating the impacts of turbine passage	M. van den Berg; How migrating fish survives between law, politics, and permits for hydropower	P. Branco (J.M. Santos); River connectivity for fish – a multi-scale, multi-purpose approach	G. de Laak; Cross border practical/applied experiences with Germany; the Alosa Alosa LIFE+ project-success story
14:45	G. JM Wintermans; Fish migration facilities on the salt-fresh water border of the Wadden Sea	J. Van Berkel; Investigations into fish friendliness of ultra low head tidal and river turbines	M. Huber Gysi; The Swiss way to re-establish free fish migration	A. Telhado; Coimbra Fishway: Restoring connectivity in River Mondego	A.W. Breukelaar; Downstream migration of 2+ salmon smolts ( <i>Salmo salar</i> ) in the river Meuse in the Netherlands with special attention to the effects of passing hydro power stations and the loss of fish by predation
15:00	M. Love; Design of Tide Gates for Fish Passage and Estuary Enhancement	H. Vis (J. Kemper); VisAdvies protocol for testing and evaluating pumping station pumps on fish survivability	J. Gregory; Converting Government policy into practice by restoring the Connectivity of English Rivers for the Free Passage of Fish.	C. van Leeuwen; Direct and indirect consequences of river fragmentation for spring and autumn spawning fish	B. Houben; The Rhine Sturgeon Project: a brief overview and a look into the future
15:15	A. Mouton; Optimization of adjusted barrier management to improve glass eel migration at estuarine barriers	M. Ahmann; An Overview of the Ice Harbor Turbine Replacement Project	A. Kerr; Eel Recovery - it is not just about fishing	L. Greenberg; Conservation of a landlocked salmonid population in a regulated river: Taking a holistic approach	P. Philipsen; International implications of the plan to re-open the Rhine Delta for migratory fish
15:40	Break				



Time	MONDAY, 22 JUNE 2015 (Afternoon Session II)				
	Track A Dourada Room	Track B Barramundi R.	Track C Happy Fish Room	Track D Eel Room	Track E Sturgeon Room
	Session A3: EU-funded projects: Restoration of European Rivers , P. Fernández Garrido	Session B3: Environmentally-enhanced turbines and turbine passage survival (II), D. Dixon	Session C3: Good examples - where are they? J. Norrgård. (Sponsored by FORTUM)	Session D3: Around the world: Fish Passage in Africa, Europe, America, P. Coulson	Session E3 (Workshop): Fish Passage in the Rhine River. M. de Rooy (Hosted by the International Rhine Commission)
16:00	Jordi Borràs Ollé (M. Ordeix i Rigo); Migratory fish recovery and improved management in the final stretch of the Ebre River (Catalonia, NE Iberian Peninsula; LIFE - Migratoebre)	J. Foust; Replacement Turbine Design for Improved Fish Passage at Ice Harbor	G. Aponte Clarke; Running with renewal: reflections on restoring the sea-run fisheries of Maine’s largest river - the Penobscot - while maintaining energy production	B. Bendall; Living North Sea	L. Gangi; History – from being extinct to the master plan migratory fish
16:15	K. Zabret; Ljubljana connects - enabling fish migration	D. Dixon; Alden Fish-Friendly Hydropower Turbine: History and Development Status	J. Royte; Balancing power production and fisheries restoration in the Penobscot River watershed: background, updates recent successes and difficulties	S. Mowat; The Zoological Society of London's European Eel Citizen Science Programme	N. Plum; Upstream migration
16:30	J. Gardeström; Think big: adding large structures to improve ecosystem health	G. Allen; Alden Fish-Friendly Hydropower Turbine: Potential Application, Performance and Economics	T. Vehanen; Finland's National Fish Passage Strategy: From fish stocking to fishways	G.C. O'Brien; Establishment of the FISHTRAC programme to use fish movement in water resource management in southern African	K. Camara; Habitats restoration and stocking
16:45	B. Veraart; Fish habitat restoration in the LIFE - project Grote Nete	P. Jacobson; Evaluation of Potential Retrofit of the Alden Fish-Friendly Turbine	J. Jormola; Policy shift in reviving migratory fish stocks - examples from RESTORE Life+	K. Górski; Drivers of migratory life histories of riverine <i>Galaxias maculatus</i> in Chile: implications for management	D. Monnier; Downstream migration
17:00	R. Huertas González (G. González Fernández); Cipriber project: Actions towards the protection and conservation of Iberian cyprinids of community interest	Discussion	S. Tétard; An innovative solution for the Poutès dam to reconcile respect for biodiversity and need for renewable energy	J.S. Jensen; The Houting Project	D. Monnier; Overall downstream migration success
17:15	E. Lafuente Sacristán (F.J. Sanz Ronda); LIFE+ Segura Riverlink, implementing a green infrastructure approach		D. Welch; Balancing Ocean and Freshwater Survival Rates When Managing Anadromous Fish Passage	G. Reub; Net Ecosystem Services Analysis as a Floodplain Restoration and Management Tool	E. Lammens; Future challenges
17:40 to 19:00	Sponsored Social (Municipality of Groningen, University of Groningen, Province of Groningen) Poster and Exhibitor session				

Time	TUESDAY, 23 JUNE 2015 (Morning Session I)				
8:00	Registration				
8:40	Introductions by plenary session chairman, Larry Greenberg (Plenary Hall)				
8:50	Plenary speaker: Laura Wildman (Princeton Hydro, LLC)				
9:35	Plenary speaker: Victor Mikheev (A.N. Severtsov Institute of Ecology & Evolution)				
10:20	Exhibitor Pitch Presentations				
10:30	Break				
	Track A Dourada Room	Track B Barramundi R.	Track C Happy Fish Room	Track D Eel Room	Track E Sturgeon Room
	Session A4: Standardizing Fish Pass Evaluation, J. Gregory	Session B4: Swimming capabilities/Fish behavior, T. Vehanen	Session C4: Eel Downstream Migration (I), K. McCarthy	Session D4: Fishlifts and Fish Locks, J. de Bijl	Session E4 (Panel): Basin-scale thinking: Balancing strategic dam siting and fish passage facilities to maintain river connectivity, J. Opperman
10:50	C. Bunt; Standardization of Study Design and Data Parameters for Analysis of Fish Passage Performance	H. Tritico; How Fast Do Fish Swim? A Global Assessment of What We Know and What We Don't Know	A. Haro; Passage of downstream migrant American eels through an airlift deep bypass system	M. Martin; Merits and Challenges of Fish Lifts	G. Grill; An index- based framework to assess river fragmentation and flow regulation and its application in basin-scale strategic dam planning
11:05	T. Castro-Santos; Time-to-event analysis as a unifying framework for fish passage evaluations	J. de Bie; New insights into schooling behavior in response to flow	E. De Oliveira; Downstream migration dynamic of silver eel on the Rhine River, based on RFID telemetry	A. Roth; Developing an innovative fish lift system for the barrage at Lake Baldeney on the River Ruhr	E. Martin; Using a GIS in basin-scale hydropower planning to preserve aquatic connectivity and minimize societal impacts
11:20	P. Kemp; Playing the long game: the need for more than a standardized approach to fish passage evaluation	R. Noble; Fine-scale 2D acoustic tracking of the behavior of salmonids to investigate delays and failures in fish passage; implications for assessing the efficiency of fish passes	L. Kroll; Eel protection on river Mosel with special reference to catch and carry	F. Seidel; Hybrid model approach for designing fish ways- example fish lift system at Baldeney/Ruhr and fish way at Geesthacht /Elbe	J. Opperman; Basins that work for fish and energy: hydropower planning for fish passage in tropical rivers
11:35	M. Redeker; Fishway monitoring practice and guidance in Germany	D. Nijssen; Ethohydraulics in turbulence: Fish behavior in turning pools	K. McCarthy; Effects of light on natural populations of European eel in Ireland	M. Schmalz; Evaluation of upstream migration at the fish lock Höllenstein (river Schwarzer Regen, Germany) using a simple camera system	P. dos Santos Pompeu; Are fish passes the best strategy for fish conservation in South America?
11:50	F. Wagner; A working guide for site specific evaluations of fish protection and bypass systems	M. Pitsch; Movement patterns of several fish species approaching and passing a vertical slot fishway	R. Keuneke; Current Status or Protection of Silver Eels at hydro Power Stations in Germany	J.M. Santos; Improving the efficacy of yellow eels' upstream movements through fish lifts	Panel discussion
12:05	E. Washburn; Monitoring Fish Pass Performance: Towards a European Standard	M. Ordeix i Rigo; When and why do fish migrate in Mediterranean Rivers? Observations of fish pass assessments from Catalonia (NE Iberian Peninsula)	D. Sonny; Development of passive monitoring tools of silver eel migration to trigger turbine management for fish protection	J. Pádua; Improving the use of fish lift by eels and medium- sized cyprinid species	
12:30	Lunch (Talent Room starts at 13:15)				

Time	TUESDAY, 23 JUNE 2015 (Afternoon Session I)				
	Track A Dourada Room	Track B Barramundi R.	Track C Happy Fish Room	Track D Eel Room	Track E Sturgeon Room
	Session A5: Dam Removal, R. Boesiger	Session B5: Nature-like fishways; design and habitat compensation, S. Gustafsson	Session C5: Eel Downstream Migration (II), A. Haro	Session D5: Around the World: Fish Passage in Asia, K. Brink	Session E5: Sturgeon Fish Passages on Large Rivers (I), J. Bloesch & B. Boyd Kynard
14:00	A. Singler; Increasing Dam Removal through Key Policy Changes in the United States	L. Cassan; 2D Modelling of nature-like fish passes	F. Stein; Downstream migration of the European eel ( <i>Anguilla anguilla</i> ): movement patterns and the potential impact environmental factors	A. Hanpongkittikul; Efficiency of the fish passages at Nam Kam River, the Mekong tributaries in Thailand	J. Bloesch; The Iron Gate dams in the Danube River and their importance for endangered sturgeons
14:15	A. Berne; To reach good ecological quality of rivers by dam removal	J. Dodd; Efficiency of a nature-like bypass channel at Rodley weir, River Aire	F.T. Vriese; Downstream migration of silver eel ( <i>Anguilla anguilla</i> ) in the river Meuse in the Netherlands 2008 - 2012	J. Yoon; Current status of fish passages in South Korea	W. de Bruijne; Fish migration at the Iron Gates
14:30	M. Antolín Martínez (L. Arenillas Girola); A dam removal in Robledo de Chavela (Madrid, Spain) and river restoration	S. Gustafsson; Habitat compensation in a nature-like fishway	A. Piper; Behaviour of seaward migrating eel at water intakes and low head hydropower	X. Shi (X. Zhao); Case studies of fish passages for high dams in China	D. Pavlov (Victor Mikheev); What should we know about behavior of sturgeons to provide their efficient passage?
14:45	B. Malm Renöfält; Dam removal: enhancing or degrading ecological integrity?	P. Meulenbroek (H. Waidbacher); The Danube Fish bypass system of Vienna/Freudenau and its importance as a lifecycle habitat	A. Fjälling; Experiments to improve passage ways for downstream migrating silver eel	M. L. Panahon; Ecological Assessment of the Siganid Fishery in Caluan Lake and Baruyan River, Calapan City, Oriental Mindoro, Philippines	M. Parsley; Salmon fishways in the Columbia River Basin and their use by white sturgeon
15:00	K. Aarestrup; Weir removal in lowland streams – the ultimate tool in the fish managers tool box	C. Comoglio (O. Calles); A telemetry study on marble trout ( <i>Salmo marmoratus</i> ) and Italian barbel ( <i>Barbus plebejus</i> ) at a nature-like fish ramp in an Alpine river	A. Legault; Impact of water intake for drinking water supply, on downstream eel migration in the Fremur River	J. Rui (N. Cao); Fish Habitat Protection and Restoration in Angu Hydroelectric Power	B. Kynard; Upstream Passage of Sturgeons at Dams: Behavior of Sturgeons at a Fish Lift and in a Prototype Ladder
15:15	A. Maltby; We did it. Overview of the largest river barrier mitigation programme delivered by a non-government organization in the UK	R-J. Gebler; Near-nature water courses at large hydropower plants as fishways and running water habitats	B. Griffioen; Behavioural patterns of migrating silver eel at a Hydro Power Station in the river Meuse	E. Baran; Using a waterfall system as a natural laboratory to inform the design of fish passes in the Mekong	S. Amaral; Considerations and Alternatives for Safe Downstream Passage of Juvenile and Adult Sturgeon at Hydro Projects
15:40	Break				

Time	TUESDAY, 23 JUNE 2015 (Afternoon Session II)				
	Track A Dourada Room	Track B Barramundi R.	Track C Happy Fish Room	Track D Eel Room	Track E Sturgeon Room
	Session A6: Fish behavior and fishway monitoring, S. Makrakis	Session B6: Fishway design, E. Winter	Session C6: Eel and lamprey passage, P. Raposo de Almeida	Session D6: Policy & Management of Fishways on a National Stage, M. Ordeix i Rigo	Session E6 (Panel): Sturgeon Fish Passages on Large Rivers (II), J. Bloesch & B. Boyd Kynard
16:00	E. Dupont; Five years monitoring of the original "stairs pipe" fish pass assess the complete reconnection and natural function of a nursery	J. Harris; Seeking better fishways: the Pump Fishway Project	P. Jacobson; The Eel Passage Research Centre - A Bi-National Collaborative	M. Gordos; Fishway Offsets - significant opportunities challenged by management realities	R. Suciú; Monitoring strategy of sturgeon behavior to ensure functionality of future fish pass: the Iron Gate 2 case
16:15	J. Klan; Telemetric survey of upstream and downstream migrating species at the river Elbe, Germany	R. Hassinger; The baffle-brush-fishpass - a New Concept for non-selective fishpasses	B. Nzau Matondo; Does yellow eel prefer old pool and weir or new vertical slot fish pass during their upstream migration?	D. Veselý; The fish migration strategy on the border rivers Morava and Dyje - international cooperation	Panel discussion
16:30	R. O'Connor; Using GIS to Evaluate Fish Passage	S. Kucukalit; Hydraulic design of an innovative baffle-brush type fish pass	J. Caumartin; The eel ladders at Beauharnois Power station, Canada	N. Egriell; Management and Research - Integrated Swedish Work on Best Available Technique	
16:45	D. Calluad (L. David); Fish behaviour analysis in a vertical slot fishway	B. Schaub; Archimedes type passage creates an important new fish migration route at pump station Halfweg (Rijnland Water Authority; Netherlands)	J. Kerr; Efficiency of a vertically oriented bristle pass for upstream moving European eel ( <i>Anguilla anguilla</i> ) and river lamprey ( <i>Lampetra fluviatilis</i> ) at an experimental Crump weir	P. Sagnes; French R&D program on «eel and dams» related to EU Regulation 1100/2007	
17:00	W. Koster; Timing, frequency and environmental conditions associated with mainstem-tributary movement by a lowland river fish, golden perch	M. Henning; Design and special constructions of fishway pilot sites on German Federal Waterways	A. Vowles; Efficiency of a horizontally and vertically oriented studded fish pass substrate for upstream moving European eel ( <i>Anguilla anguilla</i> ) and river lamprey ( <i>Lampetra fluviatilis</i> )	E. Blom; Restoration of the Haringvliet	
17:15	I. Pauwels; Chub ( <i>Squalius cephalus</i> ) and catfish ( <i>Silurus glanis</i> ) migration at a barrier in the River Demer (Belgium)	K.P.Visser (P.Viaene); Hydraulic Research on Fish Passage Design at Lock & Weir sites - Flanders Hydraulics Research	S. Stendera; Experiences of the eel-protective power plant management in the Weser river system	C. Göhl; Present Situation and Actions on Downstream Fish Passage in Germany	
17:40 to 19:00	Social, Poster and Exhibitor session				
19:15 to 22:30	Conference Banquet				

Time	WEDNESDAY, 24 JUNE 2015 (Morning Session I)				
8:00	Registration				
8:40	Introductions by plenary session chairman, Guillermo Giannico (Plenary Hall)				
8:50	Plenary speaker: Claudio Baigún (Wetland International)				
9:35	Plenary speaker: Beate Adam (Institut Für Angewandte Ökologie)				
10:20	Exhibitor Pitch Presentations				
10:30	Break				
	Track A Dourada Room	Track B Barramundi R.	Track C Happy Fish Room	Track D Eel Room	Track E Sturgeon Room
	A7: Telemetry for Fish Passage Studies - a Look into the Toolbox, M. Timko (Sponsored by Blue Leaf Environmental)	Session B7: FITFISH: Current information needs for effective fish passage management, L.A.J. Nagelkerke	Session C7: Lamprey Upstream Migration, P. Frear	Session D7: Pool Type Fishways, M. Lang	Session E7 (Workshop): International Networking (Hosted by World Fish Migration Platform)
10:50	B. Adam; Use of Telemetry for Ecological Fish Surveys in Europe	A. Palstra; COST action FA1304: Swimming of fish and implications for migration and aquaculture (FITFISH)	D. Buysse; Migration of river lamprey in the fragmented River Scheldt, Belgium?	S.H. Baek; Efficiency of two different types of fishway, Ice-harbor and complex type, installed in the Gongju weir, South Korea	WORKSHOP lead by J. Royte, J. van Herk, H. Wanningen, L. Wildman
11:05	S. Anglea; Telemetry Techniques	L.A.J. Nagelkerke; Current information needs for effective fish passage management: prioritization and recent developments	B. Quintella; Passage efficiency and behavior of adult sea lamprey in a vertical-slot fishway	F.J. Bravo Córdoba (F.J. Sanz Ronda); Fishway with two entrance locations	
11:20	C. Fitzgerald; Telemetry Data and Database Management	A. Alp; Efficiency and suitability of the fish passage in River Ceyhan, Turkey	J. King; ‘Dodgy’ barriers: conservation implications and mitigation outcomes for sea lamprey in Irish SACs	A. Quaresma; Is CFD an efficient tool to develop pool type fishways?	
11:35	J. Murauskas; Processing and Analysis of Telemetry Data in Fisheries Management	O. Calles; On the performance of a new upstream and downstream passage facility for diadromous fish species	M. Wagner; Can migrating lampreys be effectively guided into fish passage devices using semiochemicals? Evidence from studies in the Laurentian Great Lakes	F.J. Sanz Ronda; <b>The most evaluated fishway in Spain: A new lesson every year*</b>	
11:50	L. Sullivan; A Case Study Highlighting Telemetry Tools: Are Bypass Systems at Wanapum and Priest Rapids Dams Increasing Downstream Smolt Survival on the Columbia River?	M. Lenhardt; Restoration of longitudinal connectivity of the Danube River by the construction of free passages for migratory fish species at the Iron Gates dams	U. Reinhardt; An EvaEel Ladders as Traps or Passage Devices for Migrating Sea Lampreys	J. Lifgłęza (P. Prus); Optimization of efficiency of step-pool fish-pass channel	
12:05	N. Mast; Migrational behavior of PIT-tagged fish at Geesthacht weir, River Elbe, Germany	A. Mouton; All you need is love: adequate information for effective fish passage?	J. Tummers; Efficacy of an unmodified and modified super active baffle fish pass for European river lamprey ( <i>Lampetra fluviatilis</i> )	W. Kampke; Entrance arrangement of fishways - interaction of entrance location, turbine flow and attraction flow	
12:30	Lunch (Talent Room starts at 13:15)				

\*Winner of the AFS-EWRI Joint Committee Project Award

Time	WEDNESDAY, 24 JUNE 2015 (Afternoon Session I)				
	Track A Dourada Room	Track B Barramundi R.	Track C Happy Fish Room	Track D Eel Room	Track E Sturgeon Room
	<b>Session A8: Telemetry studies around the world, G. O'Brien</b>	<b>Session B8: Fish Biomechanics, behavior &amp; physiology in challenging environments (I), C. Tudorache</b>	<b>Session C8: Downstream Passage (I), O. Calles</b>		<b>Session E8: Measuring the success of fish passages: from impact assessments to a virtual ecology approach, K. Philippart (Sponsored by Waddenacademie)</b>
<b>14:00</b>	G. Giannico; Passage of Redband Trout at Irrigation Diversion Dams in the Donner und Blitzen River, Oregon	T. Burt de Perera; The representation of three-dimensional space in fish	K. Mulligan; An Analysis of Partial-Depth, Impermeable Guidance Structures for Downstream Fish Passage at Hydroelectric Facilities		R. McLaughlin; A decision analysis to guide the use of barriers and fishways for sea lamprey control in the Laurentian Great Lakes
<b>14:15</b>	S. Makrakis; Fishway permeability for two Neotropical long distance migratory species	H. Slabbekoorn; The acoustic world of fish: Sound ways to investigate migratory bottlenecks	A. Peter; Downstream migration of fishes at large hydropower facilities: fish behavior and guiding efficiency for angled bar racks and louvers		E. van Loon; Before we rush into the field
<b>14:30</b>	C. Walsh; A multi-faceted approach for evaluating fishway performance in south-eastern Australia	M. Politano; An Integrative Strategy for Understanding Fish Behavior at Hydropower Forebays	D. Courret; Development of criteria for the design and dimensioning of fish-friendly intakes for small hydropower plant		I. Stewart-Russon; Can we measure cumulative effects of hydro-power on the passage of up- and downstream migrating fish? Development of a cumulative effects model framework
<b>14:45</b>	M. Stokesbury; An evaluation of fishway passage for Alewife ( <i>Alosa pseudoharengus</i> )	D. Zielinski; Three dimensional swimming-fatigue model to predict passage of Asian carp at a lock and dam	D. Appelhoff; Requirements for the traceability of bypasses for downstream migrating fish - Ethohydraulic insights		M. Forty; Not just for adults! Evaluating the efficacy of multiple fish passage designs at low-head barriers for the upstream movement of juvenile and adult trout <i>Salmo trutta</i>
<b>15:00</b>	M. Teichert; Small scale efficiency of downstream bypasses and large scale effects of hydropower production for fish populations: An advanced experimental design using radio telemetry	R. Noble; Changes in fish passage metrics following the co-location of a low-head hydropower turbine with an existing fish pass; revealed by an acoustic tracking study of migratory salmonids	P. Christensen; River Mill Dam Downstream Migrant Integrated Collector and Bypass		M. Kroes; Fish migration possibilities in the Netherlands; state of the art (barriers, solutions, monitoring)
<b>15:15</b>	F. Jacobs (G. O'Brien); South African FISHTRAC programme: radio telemetry techniques for real time manual and remote, fish behavior and environmental variable monitoring in southern African inland aquatic ecosystems	S. Hont (M. Paraschiv); Swimming behavior of beluga and stellate sturgeons during their migration in the Lower Danube River	I. Albayrak; Turbulent Flow Field Around Angled Bar Racks		J. Kemper; Efficiency measurements as tool in evaluating fishways
<b>15:40</b>	<b>Break</b>				



Time	WEDNESDAY, 24 JUNE 2015 (Afternoon Session II)				
	Track A Dourada Room	Track B Barramundi R.	Track C Happy Fish Room	Track D Eel Room	Track E Sturgeon Room
	Session A9: The impacts of land use and watershed conditions, C. Bozek	Session B9: Fish Biomechanics, behavior & physiology in challenging environments (II), T. Castro-Santos	Session C9: Downstream Passage (II), P. Gough		Session E9: Turbines & pumps, W. Kampke
16:00	A. Bowden; Rangewide river herring recovery: a habitat perspective	C. Katopodis; Size matters even for the ubiquitous fish speed metric of BL/s	V. Stöhr; HDX-Monitoring in the Wupper, a study of fish-migration		J. Arnold; Development of Low Head Fish Friendly pumps and Turbines
16:15	C. Bozek; Green Infrastructure and Blue Habitat: the impacts of watershed conditions and stormwater management on river health and fish passage	J. Ruiz Legazpi; Influence of biometric parameters, flow condition and water temperature on Iberian fish sprinting behavior: volitionally swimming performance	S. Schäfer; Monitoring the downstream passage of small fish at the TUM-Hydro Shaft Power Plant Prototype		R. Brackley; Migration of Atlantic salmon ( <i>Salmo salar</i> ) at low-head Archimedean screw hydropower schemes
16:30	M.B. DeLucia (A. Bowden); Beyond Dams: Restoration of River Herring in key watersheds along the Atlantic Coast of the USA	S. Amaral; Movements of a potamodromous cyprinid past an experimental weir with variable height and plunge pool depth	L. Heermann; Following downstream migration of Atlantic salmon smolt at a German hydropower station with novel fish protection technology: a radiotelemetry study		C. Briand; Cumulated mortalities of salmon and eel in the turbines of the Loire-Brittany basin
16:45	K. Gerner; Maintaining Agency capacity for ongoing and future road-stream crossing challenges	J. Mogdans & H. Bleckmann; How fish use and process flow information	C. Dotson; Priest Rapids Fish Bypass: A Case Study from Start to Finish		L. Krakers; Fish friendly solutions in existing pumping stations; An economical solution enabling fish migration
17:00	R. Gubernick; To Fill or Not to Fill stream simulation and embedded aquatic organism passage structures	Concluding discussion	D. Nyqvist; Post-spawning survival and downstream passage of landlocked Atlantic salmon ( <i>Salmo salar</i> ) in a regulated river: Is there potential for repeat spawning?		F Suzuki; Influence of time period and hydropower operation on movements and abundance of two migratory fish within the tailrace of Três Marias Dam, São Francisco River, Southeastern Brazil and their implications for hydropower impacts
17:15	I. De Vries; Fish migration issues in a river in transition		J. Wagner; Cle Elum Dam Fish Passage; Novel, research driven dam retrofit to allow downstream passage for juvenile salmonids		J. Schneider; Function control of fish migration facilities at the Hydro Power Plant Kostheim at River Main
17:40 to 18:30	Close of Conference				
20:30 to 22:30	Dam Nation Documentary at Forum IMAGES hosted by the World Fish Migration Platform*				

\* Forum IMAGES Movie Theater: Hereplein 73, 9711 GD Groningen

