

FISH MARKET 2016



program

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OCTOBER

18:00-21:00 ICEBREAKER

Lobby

Early registration and welcoming.

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OCTOBER

9:00-9:45 REGISTRATION AND COFFEE

Lobby

Register and enjoy the coffee.

9:45-10:00 WORD OF WELCOME

Theater

Jan Schrijen, Chairman of the Water authority Roer en Overmaas & **Gustaaf Borchardt**, President of the International Commission for the Protection of the Rhine and the Fish Market Chairman of the day.

10:00-10:20 KEYNOTE

Theater

Rob Gubbels: Downstream migration of fish, an underestimated phenomenon (ECI downstream passage: 6 years of research).
Topic: Screening & bypasses / fish guidance techniques / management for hydropower plant (HPP) < 50 m³/s.

10:25-10:45 KEYNOTE

Olle Calles: On the performance of a new upstream and downstream passage facility for diadromous fish species.
Topic: Screening & bypasses / fish guidance techniques / management for HPP > 50 m³/s.

10:50-11:10 KEYNOTE

Armin Peter: Downstream migration of fishes at big hydropower plants in Switzerland: completed and future research activities.
Topic: Screening & bypasses / fish guidance techniques / management for HPP > 50 m³/s.

11:10-11:30 BREAK

Lobby

Enjoy the Fish Market.

11:30-11:50 KEYNOTE

Pierre Sagnes: Efficiency of fish-friendly intakes, bypasses associated with low bar-spacing trashracks, for downstream migration of Atlantic salmon smolt.
Topic: Lowering turbine mortality by design and management for HPP < 50 m³/s.

11:55-12:15 KEYNOTE

Jacob van Berkel: Fish Friendliness of Ultra Low Head Turbines.
Topic: Lowering turbine mortality by design and management for HPP > 50 m³/s.

12:20-12:40 KEYNOTE







Eric De-Oliveira: Eel mortality during downstream migration in the Rhine: present results on eel dynamic migration, eel turbine mortality and solutions considered for the Rhine HPP. *Topic: Lowering turbine mortality by design and management for HPP > 50 m³/s.*

12:40-14:00 LUNCH AND EXCURSION

Lobby

2 Parallel excursions with: **Rob Gubbels, Thijs Belgers** and **Leon Gilissen** (one excursion in Dutch/French/German and one in English).

14:00-15:15 WORKSHOPS







Industry Room	Ballet Room	Theater
Workshop 1 <i>Topic: Screening & bypasses / fish guidance techniques / management for HPP < 50 m³/s.</i>	Workshop 2 <i>Topic: Screening & bypasses / fish guidance techniques / management for HPP > 50 m³/s.</i>	Workshop 3 <i>Topic: Other guidance techniques.</i>
<i>Introduction by</i> Sylvain Richard: Design and dimensioning of fish-friendly intakes for small hydropower plants in France. 	<i>Introduction by</i> Andy Turnpenny: Considerations for Use of Non-Physical Barriers in Downstream Fish Guidance. 	<i>Introduction by</i> Uwe Weibel: Guidance by electricity: joke or possibility.    

15:20-15:45 BREAK

Lobby

Enjoy the Fish Market.

15:45-17:00 WORKSHOPS

Theater	Industry Room	Ballet Room
Workshop 4 <i>Topic: Lowering turbine mortality by design and management for HPP < 50 m³/s.</i>	Workshop 5 <i>Topic: Lowering turbine mortality by design and management for HPP > 50 m³/s.</i>	Workshop 6 <i>Topic: Monitoring of Downstream migration with telemetry.</i>
<i>Introduction by</i> David Monnier: Introduction for Lowering turbine mortality by design and management for hydro-power plants < 50 m ³ /s.    	<i>Introduction by</i> Harriet Bakker: Lowering fish mortality at hydro-power stations in Dutch rivers: dead ends and new chances. 	<i>Introduction by</i> André Breukelaar: Downstream migration of smolts and passage of barriers in Rhine / Meuse. & Jost Borcharding: Monitoring of downstream migration with radio-telemetry at the Unkelmühle, a hydroelectric power station at the River Sieg with innovative solutions to support safe fish passage. 

17:00-18:30 FISH MARKET AND EXCURSION

Lobby

Enjoy the Fish Market and 2 Parallel excursions in English with **Rob Gubbels, Thijs Belgers** and **Leon Gilissen**.

18:30-21:30 DINNER (buffet)

Lobby

Have a drink, have some food, have some nice conversations.

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OCTOBER

8:30-8:55 RECEPTION AND COFFEE

Lobby

Enjoy some delicious coffee to start the day.

8:55-9:00 WORD OF WELCOME

Marc de Rooy, Chairman of the Working Group FISH of the International Commission for the Protection of the Rhine and the Fish Market Chairman of the day.

9:00-9:20 KEYNOTE

Theater

Tim Vriese: Maximum admissible mortality per river stretch of migratory fish species (salmonids and silver eel) by hydropower stations – Dutch approach.

Topic: Policy and legislation for hydropower (energy production plants & water mills)

9:25-9:45 KEYNOTE

Marq Redeker: Legal requirements for fish protection and technical guidelines on downstream passage in Germany.

Topic: Policy and legislation for hydropower (energy production plants & water mills).

9:50-10:10 KEYNOTE

Jon Hateley: Standardized evaluation methods to monitor fish pass performance.

Topic: Criteria to define efficiency: standardized evaluation methods.

10:10-10:30 BREAK

Lobby

Enjoy the Fish Market.

10:30-10:50 KEYNOTE

Eva Thorstad: I beep, therefore I am? An overview of the use of telemetry methods in studies of fish downstream migration.

Topic: Telemetry monitoring techniques

10:55-11:15 KEYNOTE

Pia Anderer: Ecological evaluation of a river system with additional water power utilization.

Topic: Criteria to define efficiency: standardized evaluation methods/ Policy and legislation?

11:20-11:40 KEYNOTE

Stephan Naumann: Results of the Forum Fish Protection (DE)




Topic: Knowledge dissemination - Forum Fish Protection and Downstream Migration

11:40-13:00 Lunch & excursion

Lobby

2 Parallel excursions in English with **Rob Gubbels**, **Thijs Belgers** and **Leon Gilissen**.

13:00-14:15 WORKSHOPS

Theater	Industry Room	Ballet Room
<p>Workshop 7</p> <p><i>Topic: Policy and legislation for hydropower (energy production plants & water mills).</i></p> <hr/> <p><i>Introduction by</i></p> <p>Rita Keuneke: Can the legal requirements be met by hydropower plants?</p> <p></p>	<p>Workshop 8</p> <p><i>Topic: Knowledge dissemination.</i></p> <hr/> <p><i>Introduction by</i></p> <p>Kerry Brink: Removing language barriers. How can we optimize knowledge exchange to improve fish passage?</p> <p></p>	<p>Workshop 9</p> <p><i>Topic: Criteria and methods to define efficiency.</i></p> <hr/> <p><i>Introduction by</i></p> <p>Falko Wagner: A working guide for site specific evaluations of fish protection and bypass systems.</p> <p></p>

14:20-14:50 BREAK

Lobby

Enjoy the Fish Market.

14:50-15:20 CONCLUSIONS AND FEEDBACK

Theater

Reporting back from workshops by workshop moderators.

15:20-15:30 REFLECTION

Theater

Reflection on fish market by Marc de Rooy.

15:30-16:30 DRINKS

Lobby

Drinks!