

Symposium

Salmonids



Information



Opening Ceremony

Salmonids Symposium starts on Monday 08.05 at 10h.
We kindly ask you to come earlier for registration.



Venue

EDIFIC SA RIERA UNIVERSITAT ILLES BALEARS
(Sa Riera building of University of Balearic Islands)
Street Name: Miguel dels Sants Oliver, 2
PALMA DE MALLORCA, 07122
Link: <https://goo.gl/maps/NGfeMGvfs6PcLZ8V6>



Program

You will find the schedule below.
Please note we are not able to modify the program anymore.
If you really need to change anything we will discuss it once we meet.
Coffee and snacks are included.
Lunch is not included. You can enjoy Spanish cuisine in many restaurants nearby
(eg. on the Passeig de Mallorca- Mallorca street.
Link: <https://goo.gl/maps/YFs26M8R8aqfZ22n7>)



Wednesday's Trip

We start our trip at 10h on Wednesday 10.05 at the square near the building, where the symposium takes place. Full indications will be given on Tuesday.
We go to visit Cuevas del Drach: <https://www.cuevasdeldrach.com/en/index.php>
After a visit we will have time to eat a lunch and we go back to Palma,
where we arrive aprox. at 17h.



Friday's Dinner

Closing ceremony of the symposium will take place at Varadero Palema Restaurant,
where we will gather at 20h.
Link: <https://goo.gl/maps/xfmqdkTUhBrUMT3j6>
If you have any special diets (allergy or intolerances) please let us know:
info@troutsymp.com

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Payments

All the participants who did not pay yet are asked to pay on the register.
We accept only cash and € currency.



WIFI acces

During the symposium you will have an access to wireless network:

USERNAME: 73713@wifi.uib.es

PASSWORD: 096820

1. Connect to the Wi-Fi with SSID eduroam network.

2. Enter the username and password given in this document.

In case of problems associated with the previous network:

1. Connect to the Wi-Fi with SSID uib@events network.

2. Enter with the password uib@events.

3. Click on the ' Access for guests ' option.

4. Enter the username and password given in this document.



Contact

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Useful telefon numbers

Emergencies.....112 (general emergencies: accidents, security, health)

Police091

Fire department.....080

Health emergencies.....062

Tourist Info Palma.....+34 971 173 990; +34 69 9294 742 (WhatsApp)

Address: Plaça de la Reina 2, Palma 07012

<https://www.spain.info/en/destination/palma/>

Taxi.....Radio Taxi Mallorca: +34 971 20 12 12.

Radio Taxi Palma: +34 971 40 14 14.

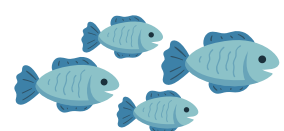
Teletaxi de Palma: +34 971 20 09 00.

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Program



MONDAY 8th May

10:00h Opening ceremony

11:30h Coffee Break

12:20h

Danube Trout Triumph: Tackling Invasive Fish at Plitvice Lakes National Park

Renić Nikola, Ivana Buj, Zoran Marčić, Kazimir Miculinić, Andrijana Brozinčević, Lucija Ivić & Sara Pleše

12:40h

Infrared mapping of river thermal habitats to understand salmonid distribution in a warming climate

Marteau Baptiste, Richard Alexandre, Caudron Arnaud, Dugdale Steve & Piégay Hervé

13:00h

The scale-dependent role of submerged macrophytes as drift-feeding lotic salmonid habitat

Budy Phaedra, John S. McLaren, Robert W. Van Kirk & Soren Brothers

13:20h

Lunch Break – you can choose between a diversity of restaurants all along Av. de Mallorca

14:40h

*Within river genetic structure of Atlantic salmon (*Salmo salar*) of the Näätämöjoki river system*

Cádiz María I., Marion Sinclair-Waters, Victoria Pritchard, Jaakko Erkinaro, Panu Orell, Ana Lindeza, Morgane Frapin & Craig R Primmer

15:00h

*Genetic characterization of Sicilian trout (*Salmo cettii*)*

Sanz Ball-Ilosera Nuria, Rosa-Maria Araguas, Monica Giampiccolo & Antonino Duchi

15:20h

Use of molecular tools to characterize the distribution and impact of the emerging parasite

*Tetracapsuloides bryosalmonae on wild brown trout (*Salmo trutta*) populations*

Duval Eloïse, Erwan Quéméré, Géraldine Loot, Lisa Jacquin, Charlotte Veyssière, Valentin Vasselon, Arnaud Caudron & Simon Blanchet

15:40h

*Reproduction phenology of a low-density European grayling (*Thymallus thymallus*) population addressed through temporal multiplex eDNA species-specific survey in river*

Vasselon Valentin, Marine Vautier, Isabelle Domaizon & Alexandre Richard

16:00h

Coffee Break

16:30h

The potential for brown trout hybridization in invaded environments

Purchase Craig

Symposium

Salmonids



MONDAY 8th May

16:50h

*Assessing Hybridization Risk Between EAS-Listed Native Bull Trout (*Salvelinus onfluentus*) and Introduced Brook Trout (*S. fontinalis*) Using Habitat Modeling.*

Manning Michael, Ivan Arismendi, J. Andres Olivos & Guillermo Giannico

17:10h

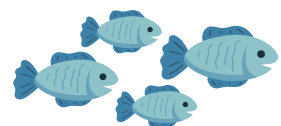
Replicated multigenerational evaluation of genetic rescue in isolated headwater trout populations

Whiteley Andrew, Zachary Robinson & Donovan Bell

17:30h

Timing of reproduction generates fitness trade-offs for Yellowstone Cutthroat Trout

Baldock Jeff, Robert Al-Chokhachy, Matthew Campbell & Annika Walters



TUESDAY 9th May

9:00h

The genetic population structure trend of trouts from Plitvice Lakes - is there hope for the survival of the endangered species? Novoselec Lucija, Ivana Buj & Lucija Onorato

9:20h

*First data on the redds of the only non-introgressed population of *Salmo cettii* in Sicily*

Duchi Antonino

9:40h

Using eco-evolutionary approaches to improve management of introgression in brown trout

Labonne Jacques, Dorinda Folio, Laure Vigier, Arnaud Caudron & Sylvie Muratorio

10:00h

On the relationship of genetic diversity and fitness in small and isolated populations of Gila Trout

Turner Thomas, Megan Barela Hudgell, Megan Osborne, James Brooks & David Propst

10:20h

Danube Salmon in Croatia – remains of ancient diversity coupled with the 'life support' based on the artificial spawning Buj Ivana, Goran Jakšić, Sara Perčić & Sara Pleše

10:40h

Behavioural and physiological differences between upstream and downstream populations of juvenile sea trout Berry Madeleine & Johan Höjesjö

11:00h

*Using data storage tags to track the marine migration of sea trout (*Salmo trutta*) in the English Channel*

Céline Artero & John F. Strom

11:20h

Coffee Break

12:00h

*Wide-scale assessment of trout (*Salmo trutta* L.) migration patterns in Southern Europe: a multi-year study using visual census and biotelemetry techniques* Alexandre Carlos Manuel, Sara Silva, Ana Rita Ribeiro, Andreia Domingues, Ana Rato, Joana Pereira, Catarina Mateus, Bernardo Quintella & Pedro R. Almeida

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TUESDAY 8th May

12:20h

Microgeographic variation in demography and habitat warming stabilize regional abundance of brook trout
Gallagher Brian

12:40h

Integrating spatially explicit thermal data with a long term dataset of juvenile salmon growth and migratory behavior Kennedy Brian, Matthew Steinwurtzel & Sam Owens

13:00h

Ecological and evolutionary drivers of alternative migratory tactics in brown trout
Reed Tom, Phillip McGinnity, Tom Cross & Russell Poole

13:20h Lunch Break

14:40h

Growth and mortality of sympatric Atlantic salmon and brown trout fry in fluctuating and stable flows
Addo Louis, Mahboobeh Hajjesmaeili, John J. Piccolo & Johan Watz

15:00h

Mortality rate of trout during their migration to sea from fresh to marine waters
Celine Artero Céline, Will Beaumont & Stephen Gregory

15:20h

Exceptionally high mortality of migrating adult female salmon: a large-scale pattern and a conservation concern Hinch Scott

15:40h

*Population dynamics and the influence of hydrology on non-native rainbow trout (*Oncorhynchus mykiss*) in a pre-alpine limestone creek* Pinter Kurt, Marlene Kollmann, Erwin Lautsch & Günther Unfer

16:00h Coffee Break

16:20h

Are there generalizable responses to flow reduction? Assessing the consistency and context dependence of salmonid response to minimum flows Rosenfeld Jordan & Daniel Enright

16:40h

Stability, persistence, and adaptive capacity of a network of Atlantic salmon populations
Buoro Mathieu, Amaia Iamarins, Etienne Prévost & Stephanie Carlson

17:00h

Understanding mechanisms for Brook Trout persistence in warming streams: what stream temperatures do fish actually experience? O'Donnell Matthew, Amy Regish, Stephen McCormick & Benjamin Letcher

17:20h

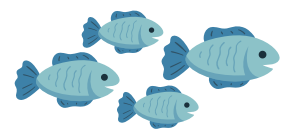
Niche shifts induced by the presence of an invasive species
Benedikte Austad

17:40h

Nordic cooperation on salmon health Elin Dahlgren, Lo Persson

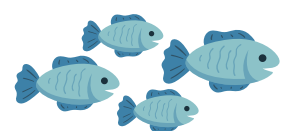
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WEDNESDAY 10th May

touristic excursion to visit the beauty of the island



THURSDAY 11th May

9:00h

Don't Forget the Tributaries! Gresswell E Robert & Steven W. Hostetler

9:20h

*Tributary-Specific Contribution to a Lacustrine Mixed-Stock Fishery of Brown trout *Salmo trutta* in a Diverse Sub-Arctic Watershed*

Mikheev Pavel, Sergey Prusov, Jaakko Erkinaro, Igor Samokhvalov, Sergey Dolotov, Alexandr Potutkin, Panu Orell, Markku Seppänen, Igor Kopylov, Alexey Puzik, Ryan Easton, Malcolm Reid & Gerry Closs

9:40h

Do we need tributary-specific flow estimates to understand trout demography?

Letcher Ben, Keith H Nislow, Jenn H Fair, Matthew J O'Donnell, Michael J Hayden & Todd L Dubreuil

10:00h

A comparative assessment of growth among the progeny of farm and wild Atlantic salmon over 30 years in the Srahrevagh River with projections of growth and smolt age trajectories under future climate scenarios.

McGinnity Philip, Adrian Rinaldo, Elvira deEyto, Tom Cross, Paulo Prodohl & Tom Reed

10:20h

Invasive performance and climatic niche dynamics of rainbow and brown trout in the Himalayas

Giannico Guillermo, Arif Jan & Ivan Arismendi

10:40h

*Comparison of growth rates between brown trout (*Salmo trutta*) and rainbow trout (*Oncorhynchus mykiss*) using bio-energetically data.* Rasmussen Gorm Heilskov

11:00h

Tires in trout: microplastic uptake by aquatic stream organisms

Thiede Gary P., Janice Brahney, Sabrina Buhler, Lexi Aragon, Eleni Robinson & Phaedra Budy

11:20h Coffee Break

12:00h

Recruitment Dynamics in Stream Rearing Salmonids: Habitat, Density-Dependence and Environmental Stochasticity Post John R. & Ariane Cantin

12:20h

Long term monitoring of salmon and trout populations: the Burrishoole system, with particular reference to common garden experiments comparing the performance of native salmon with farm and non-native conspecifics Cross Tom, Tom Reed & Philip McGinnity

12:40h

Evaluating Lahontan Cutthroat Trout habitat using evidence seen from space: a means to prioritize conservation, restoration, and management strategies

Bouwes Nicolaas, Robert Al-Chokhachy, Hayley Glassic, Kenneth McGwire & William Macfarlane

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THURSDAY 8th May

13:00h

Drones, underwater video, and neural network models: new approaches to studying stream salmonids and their habitats Myrvold Knut Marius, Tobias Holter

13:20h Lunch Break

14:40h

Dispersal distance and direction of stream salmonids from nests and stocking sites: variability and sampling bias Grant James & Laura K. Weir

15:00h

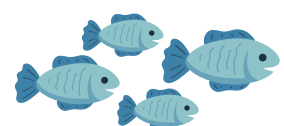
Variable spawn timing and asymmetric fitness allow persistence of nonhybridised Yellowstone Cutthroat Trout Walters Annika, William Rosenthal, John Fennell, Elizabeth Mandeville & Catherine Wagner

15:20h

Individual-based modelling of hydropeaking effects on brown trout and Atlantic salmon in a regulated river Hajiesmaeili Mahboobeh, Louis Addo, Johan Watz, Steven F. Railsback & John J. Piccolo

15:40h

Can beer save salmon? Investigating olfactory imprinting to reduce straying in hatchery salmon White Seth, Marc Johnson, Andy Dittman & Thomas Quinn



FRIDAY 12th May

9:00h

Restoration Ecology of Salmonids: Tools From Behavioral Ecology

Polivka Carlos, Stine Griep; Keith van den Broek; Shannon M. Claeson; Margaret A. Malone; Spencer Carran & Greg Dwyer

9:20h

Evaluating the effectiveness of freshwater barrier remediations aimed at improving salmonid migrations Sherker Zachary

9:40h

Alternative fisheries management strategies in spatially structured Atlantic salmon populations

Lamarins Amaia, Carlson Stephanie, Prévost Etienne & Buoro Mathieu

10:00h

Future viability of the Apache Trout in the southwestern United State

Dauwalter Daniel, Zachary Jackson, Tim Gatewood, Zachary Beard, Rosalinda Gonzalez, Stephanie Coleman & Jess Newton

10:40h

The River Hiitolanjoki dam removal project, Finland

Vehanen Teppo, Pauliina Louhi, Riku Rinnevalli & Jukka Alm

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FRIDAY 12th May

11:00h

Timing of reproduction generates fitness trade-offs for Yellowstone Cutthroat Trout

Baldock Jeff, Robert Al-Chokhachy, Matthew Campbell & Annika Walters

11:20h Coffee Break

12:00h

Book Chapters Components of brown trout age-class density dynamics

Alonso Carlos, María Martínez Jauregui, José Ardaiz, Anabel Campos, Josu Elso, Javier Gortázar, Pedro Leunda, Pedro Matute, Miguel Ángel Moreno & Diego García de Jalon

12:20h

The freshwater pearl mussel; a costly stowaway or an important habitat engineer?

Höjesjö Johan, Niklas Wengström & Martin Österling

12:40h

The role of the soundscape in the behavioral ecology of stream-dwelling salmonids

Juanes Francis, Kelsie A. Murchy & Rodney A. Rountree

13:00h

*Field observations of deformed Atlantic salmon (*Salmo salar*) embryos incubated in the hyporheic zones of seven cold region rivers (VIDEO)*

Lavery Jacqueline, Alanah Bartlett, Jennifer Nafziger, Paula Thoms & Rick Cunjak

13:20h

Determinants and Dynamics of Production Rates of Stream-Dwelling Salmonids: The importance of intrinsic factors Lobon-Cervia Javier & Gorm Rasmussen

13:40h Lunch Break

14:00h

Stream salmonids on the cormorant menu Rasmussen Gorm Heilskov & Niels Jepsen

14:20h

Winter ecology of salmonids in boreal streams under climate change

Vehanen Teppo, Karl Filipsson, Jukka Syrjänen, Ari Huusko, Eva Bergman, Anssi Vainikka, Aki Mäki-Petäys & Larry Greenberg

14:40h

*Environmental determinants of spawning location, and density and size of age-0 brown trout *Salmo trutta* in a small boreal stream* Vøllestad Leif Asbjørn

15:00h

The Future of Salmonids in a Rapidly Changing World Kershner Jeffrey L. & Jack E. Williams

20:00h

Closing ceremony - Dinner at Restaurant

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POSTERS PRESENTED

- ▶ *Does the number of spots on the flank parallel to genetic variability? Some preliminary results from two populations of Salmo Cettii in Sicily.*
Antonino Duchi
- ▶ *A dynamic dendritic connectivity assessment tool for the planning and design of barrier removal strategies in river networks.*
Michael van Zyll de Jong
- ▶ *Assessing the impact of instream barriers and climate change on wild Atlantic salmon population persistence and production in forested boreal watersheds.*
Michael van Zyll de Jong
- ▶ *Acid mine waters and salmonid rivers: case study on rivers of the Kizel coal basin (Perm Krai, Russia)*
Mikheev Pavel