



**Brandenburgische  
Akademie  
„Schloss Criewen“**



In Kooperation mit



**Institut für Binnenfischerei e.V.  
Potsdam-Sacrow**

**NATURKUNDE  
MUSEUM  
STUTT GART**



## **Function and Threats of Mussels, Snails and Crayfish in the River Ecosystem**

**From Thursday, 7th November 2024, 11.00 a.m. to Friday, 8th November  
2024, 2.00 p.m.**

**at the Brandenburg Academy 'Schloss Criewen'**

The conference will be simultaneously translated into German, Polish and English. Organiser is - in addition to the Brandenburg Academy - the Potsdam Institute of Inland Fisheries in Potsdam-Sacrow and State Museum of Natural History Stuttgart

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**Supported by the state of Brandenburg**

## On the topic:

During the major fish and mussel kill in the Oder in August 2022, it became clear that not only fish, but also crabs, mussels and snails are fatally affected by the toxic metabolites of golden algae. However, Molluscs are of particular importance for the vitality and purity of streaming waters, even if the economic value of fish certainly outweighs this. The conference is intended to bring together the latest research results across borders and also discuss aid and support measures. Only living, near-natural ecosystems open up the opportunity for watercourses to fulfil their diverse tasks and the expectations placed on them.

The conference is aimed at scientists and conservationists, as well as fishermen, anglers, hydraulic engineers and anyone with an interest in functioning watercourse systems.

## Schedule

### **Thursday, 7<sup>th</sup> November 2024**

11.15 am

#### **Start and welcome**

Brandenburg Academy 'Schloss Criewen'

#### **Watercourse maintenance and species protection - regulations and requirements**

#### **Procedure and experience in the Hase catchment area in the city and district of Osnabrück, Lower Saxony**

Jürgen Herpin, Maintenance Association No. 96 'Hase-Bever', Osnabrück

#### **Healthy mussels -> Healthy rivers -> Healthy people - an overview**

Dr Frankie Thielen, natur&emwelt, Marnach, Luxembourg

#### **Ecosystem functions of freshwater mussels and their threats**

Dr Karel Douda, Department of Zoology and Fisheries, Czech University of Life Sciences Prague, Czech Republic

#### **Why are freshwater mussels becoming extinct?**

Dr Anna Maria Łabęcka, Jagiellonian University, Institute of Environmental Sciences, Life History Evolution Group, Kraków, Poland

1.00 pm

#### **Lunch break**

#### **Excursion to the Lower Oder Valley National Park**

Led by: Dr Ansgar Vössing, Lower Oder Valley National Park Foundation

#### **Coffee break**

4.30 pm

**What is left of the common river mussel *Unio crassus* in Germany?  
Population genetics of a species threatened with extinction and practical consequences**

Dr Ira Richling & Cornelia Krause, State Museum of Natural History Stuttgart

**The LIFE river mussel project: project presentation and plans for successful implementation by 2032**

Dr Sven Matern, Potsdam Institute of Inland Fisheries, Potsdam-Sacrow

**Mussel monitoring in the Spremberg dam**

Dr Andrea Pohl, Lauria- Office of Ecological Studies, Dresden

**Studies on the species composition of large mussels (Unionida) in the Oder River in the context of the environmental disaster in 2022**

Udo Rothe, Natural History Museum Potsdam

**The impact of the 2022 Odra River disaster on the population of mussels and snails**

Dr Agnieszka Szlauer-Łukaszewska, Institute of Marine and Environmental Sciences, University of Szczecin, Szczecin, Poland

6.45 pm

**Reception organised by the Lower Oder Valley National Park Foundation  
Followed by a dinner in the castle with regional specialities and a small cultural event**

**End approx. 9.00 pm**

**Friday, 8<sup>th</sup> November 2024**

9.15 am

**Fresh water pearl mussel conservation in Germany using the example of the federal project MARA**

Dr Marco Denic, Landschaftspflegeverband Passau e.V.

**Current conservation status of the two strictly protected freshwater mussels *M. margaritifera* and *U. crassus* in Bavaria: progress and challenges**

Dr. Andreas Dobler, Technische Universität München, Freising

**Crayfish - secret key species and ecosystem engineers**

Dr Christoph Chucholl, Fishery Research Center, Baden-Württemberg, Langenargen

**Basics about native/invasive crayfishes**

Dr Martin Bláha, Research Centre South Bohemia, Budweis, Czech Republic

**Winter behaviour and mortality of noble crayfish (*Astacus astacus*) under natural conditions**

Prof Dr Thomas Klefoth, City University of Applied Sciences Bremen

11.15 am **Coffee break**

**Can we save the Noble Crayfish *Astacus astacus* in Central Europe? Threats and chances**

Dr Maciej Bonk, Institute of Nature Conservation, Polish Academy of Sciences, Kraków, Poland

**Noble crayfish and American crayfish in Lake Weissensee: resistance to crayfish plague?**

Dr Martin Weinländer, REVITAL Integrative Naturraumplanung GmbH  
Nußdorf, Austria

**The *Anisus vorticulus* as a specialist of river floodplains**

Dr Ira Richling, State Museum of Natural History Stuttgart

**Freshwater research on snails**

Dr Thomas von Rintelen, Museum of Natural History Berlin

1.45 pm **Lunch**

**End of the conference**

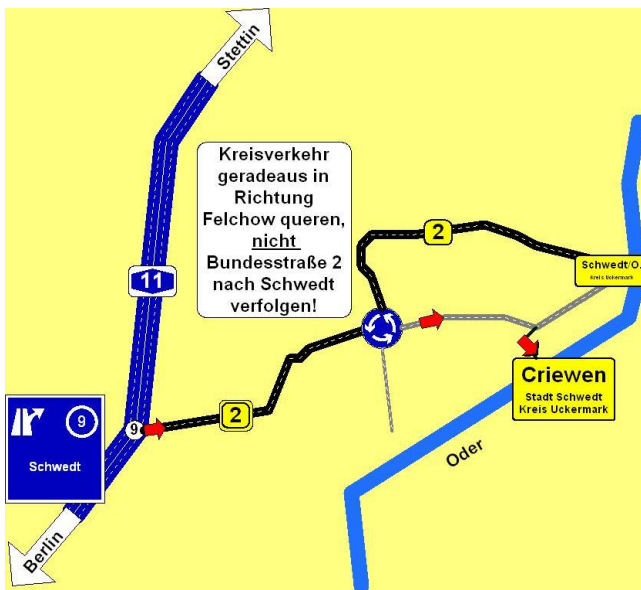
## How to find us:

### Car

By car:

**From direction Berlin** via BAB 11 Berlin-Stettin (Szczecin), exit Joachimsthal / Schwedt via B198 and B2 until the roundabout, continue on L284 (direction Felchow / Schwedt) to Criewen.

**From direction Stralsund** via BAB 20, exit cross Uckermark, via B166 to Schwedt (Oder-Center), in direction Angermünde to Criewen



### Train/Public Transport

By public transport:

Coming from direction Berlin or Stralsund, take the train to Angermünde. From the station square take bus 468 to Criewen-Nationalparkzentrum.

### Address:

Brandenburgische Akademie Schloss Criewen  
Park 3 - Schloss, 16303 Schwedt/OT Criewen

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