

Can Aquaculture Boost Food Security? Sustainable Fish Production in Brazil and Europe

Virtual Panel Discussion · 3 September 2025

12:00 – 13:00 Brasília/Rio de Janeiro (CEST-5 | UTC-3) · 17:00 – 18:00 Berlin (CEST | UTC+2)

BIOGRAPHIES (in order of appearance)

[DR TANJA BUSSE · Facilitator](#)

Freelance journalist and author, Hamburg, Germany

Tanja Busse studied journalism and philosophy at the University of Dortmund, Bochum/Germany and the Scuola Normale Superiore di Pisa/Italy. She traveled to Ethiopia, Tanzania, Indonesia and the U.S. for research trips. In 2000 she completed her doctoral thesis (Dr. phil.). From 2002 to 2003, she was editor at the public radio and TV station WDR. Since 2003 she has been working as a freelance journalist, moderator, and author. Her texts have been published by the German daily “Süddeutsche Zeitung”, the German weekly “Die Zeit” and “Der Freitag”. She has published books on the loss of biodiversity, on meat consumption, the rights of nature, and recently on the need to protect our soils. She frequently moderates discussions and conferences on agriculture, ecology and sustainability.

Webpage: <https://www.tanjabusse.de/>

[DR CHRISTOPHER SHAW](#)

Postdoctoral Researcher, Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB), Berlin, Germany

After having earned his B.Sc. in Geography from the University of Cologne and his M.Sc. in Fish Biology, Fisheries and Aquaculture from the Humboldt-University of Berlin (HU Berlin), Dr Christopher Shaw worked as the second farm manager at the land-based Atlantic salmon facility of the Swiss Alpine Fish AG (Switzerland) before he joined the aquaculture research team of Prof. Dr Werner Kloas at the Leibniz Institute of Freshwater Ecology and Inland Fisheries in Berlin. During his doctoral studies, he focused on the development of specialized aquaponic diets with the goal of simultaneously optimizing fish performance and nutrient provisioning to hydroponic plant production, particularly in the context of on-demand coupled aquaponic systems. Still strongly rooted in the field aquafeed research and intensive controlled production systems (recirculating aquaculture system, on-demand coupled aquaponic systems), Dr Shaw now expands his research into alternative lipid sources, fatty acid metabolism of different species, as well as finishing feed strategies in order to uncover potential pathways towards more judicious use of scarce fish oil as well as other omega-3 fatty acid sources. The overall goal of his research is to investigate practically relevant ways to make aquaculture economically and environmentally more sustainable while also ensuring high product quality for consumers.

Webpage: <https://www.igb-berlin.de/en/profile/christopher-shaw>

[DR IVÃ GUIDINI LOPES](#)

Postdoctoral Researcher, Swedish University of Agricultural Sciences, Alnarp, Sweden

Dr Ivã Guidini Lopes is a biologist with nearly a decade of experience in organic waste management. He is passionate about the potential of transforming waste materials into valuable products to drive sustainable development. After completing his bachelor's degree in biology, he obtained a PhD degree in Aquaculture at São Paulo State University and is currently a postdoctoral researcher at the Swedish University of Agricultural Sciences. Dr Lopes envisions a future where organic waste streams are efficiently recirculated into the food supply chain, helping to alleviate pressure on natural resources. His research focuses on developing and refining technologies that integrate waste management with food and feed production, contributing to the shift from a linear economy to circular systems. He is particularly interested in how aquaculture can benefit from such innovations, making production more sustainable while strengthening global food security.

Webpage: <https://www.slu.se/en/profilepages/l/iva-guidini-lopes/>

IVES FEITOSA DUARTE

Technical Analyst, Brazilian Ministry of Fisheries and Aquaculture (MPA), Brazil

Ives Duarte is a veterinarian with experience in clinical practice, management, and rehabilitation of wildlife. He received specialized training in wildlife medicine through the Multidisciplinary Residency Program in Health at the Federal University of Pelotas (UFPEL). He worked as a veterinarian at the Wildlife Rehabilitation Center (NURFS/CETAS - UFPEL), in the wildlife and exotic animal sector at the University of Western Santa Catarina (UNOESC - Xanxerê), and in a wildlife hospital in Brasília (HFAUS-IBRAM). Ives Duarte is currently a technical analyst at the National Aquaculture Secretariat of the Brazilian Ministry of Fisheries and Aquaculture.

Webpage: <https://www.gov.br/mpa/pt-br>

STEFAN HÜBNER

Deputy Fisheries Director, German Federal Ministry of Agriculture, Food and Regional Identity, Germany

Stefan Hübner studied law at the University of Potsdam and has, since 2010, supported policy development and regulatory affairs in various policy fields in the Federal Ministry of Agriculture, Food and Regional Identity and as attaché at the Permanent Representation of Germany to the European Union. He specializes in fisheries policy since 2019 and was appointed as Head of Unit for fisheries market and structural policy, marine protection and EMFAF in 2025.

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JOÃO MANOEL CORDEIRO ALVES

International Director, Brazilian Association of Fish Farming (PEIXE BR), São Paulo, Brazil

João Manoel Cordeiro Alves is International Director of the Brazilian Association of Fish Farming (PEIXE BR), São Paulo, Brazil. Graduated in Animal Science and Master in Aquaculture from CAUNESP, Senior Aquaculture Consultant and Professional with over 35 years of experience and a solid academic background. Expertise in product research and development (R&D), feed formulae optimization for fish and shrimp nutrition and health, commercial management, and technical consulting. He has a track record of project leadership and universities partnerships. Currently he focuses in providing technical and strategic consulting services to aquaculture companies, farms, and industries with focus on optimizing nutrition, management, biosecurity, infrastructure, water quality and production processes from the point of view of finding the bottlenecks to best possible economics results and sustainability, since one depends on the other.

Webpage: <https://www.peixebr.com.br/>

DR MARCO BÖER

Project Manager R&D and Technical-Biological Director, Kaiserzander GmbH & Co. KG, Porta Westfalica, Germany

Dr Marco Böer is Project Manager and Technical-Biological Director of the aquaculture production facility (grow-out farm) of Kaiserzander GmbH in Porta Westfalica, Germany's largest pike-perch farm. For more than 18 years, he has been involved in the planning, research and development and the permission of RAS, both at Kaiserzander GmbH and at the company Big Dutchman for European catfish. He studied biology with a specialisation in marine biology at the University of Bremen and subsequently obtained his doctorate at the Alfred Wegener Institute in Bremerhaven.

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Last updated: 2 September 2025