



**VICTOR LOBANOV**

*From Sweden to France*



Project: **Circular aquaculture and aquaponics development**

Research topic: **Ocean & Earth Sciences**

Swedish Institution: **University of Gothenburg**

French Institution: **INRAe, NuMÉA**

Dates of mobility: **30/10/2022 to 04/11/2022**

Program: **SFVE-A (ex FRÖ)**



## PRESENTATION

[Victor Lobanov](#) is a PhD researcher specializing in the development of sustainable and innovative aquaponic systems. With a background in technical chemistry, molecular and microbiology, as well as bioprocess engineering, Victor Lobanov is working on developing strategies to lower economic barriers to waste treatment while increasing production outputs. These include nutrient remineralization and revalorization strategies for freshwater and saltwater RAS, incorporation of novel, high-value food production systems into existing designs, and the integration of waste streams with other bioprocesses.

## ACTIVITIES IN FRANCE

Victor Lobanov travelled to Bordeaux to visit [Emmanuel Bonpunt](#) at [L'Esturgeonnière](#), a well-renowned specialist in the field who has participated in several pivotal research projects on sturgeon rearing over the past decades. Victor Lobanov was given a tour of the facilities, focusing on the waste capture and treatment strategies, as well as off-flavour compound mitigation. The tour and the discussion directly benefited a review paper on sturgeon aquaculture Victor Lobanov was currently writing at the time.

Then, Victor Lobanov met [Frédéric Terrier](#) at [INRAe](#), where he went through the process of feed preparation from ingredients to extrusion. He also visited the [NuMÉA](#) (Unité mixte de recherche Nutrition, Métabolisme, Aquaculture) facility, which provided an opportunity to discuss an ongoing collaborative project with INRAe's researchers, with the goal to understand the infrastructure capacities of their sites. After speaking with the head of the facility and other relevant researchers, Victor Lobanov was able to finalize plans for future collaborative research.