



## NextGenProteins 5th Newsletter

**Dear Readers of the NextGenProteins  
Newsletter,**

in a few days the year 2022 will be ending. This year, **NextGenProteins** progressed a lot on the bioconversion of underutilized resources into next generation proteins for food and feed. Nevertheless, many activities are still on-going and foreseen for the last year of the **NextGenProteins** project implementation, the year 2023.

**NextGenProteins** invites you, researchers, farmers, producers and policymakers to join the conversation and contribute to the present and future of the sector at the **Next Generation Protein Conference** in Bremerhaven (Germany), 7-8 September 2023.



**Register to the conference and/or submit  
an abstract**



**Birgir Örn Smárason, Research Group  
Leader for Sustainability & Aquaculture at  
Matís (Iceland), Coordinator of  
NextGenProteins.**

**For more information on the  
NextGenProteins project and its research  
topics, visit our website:  
<https://nextgenproteins.eu/>**

**Project updates:**

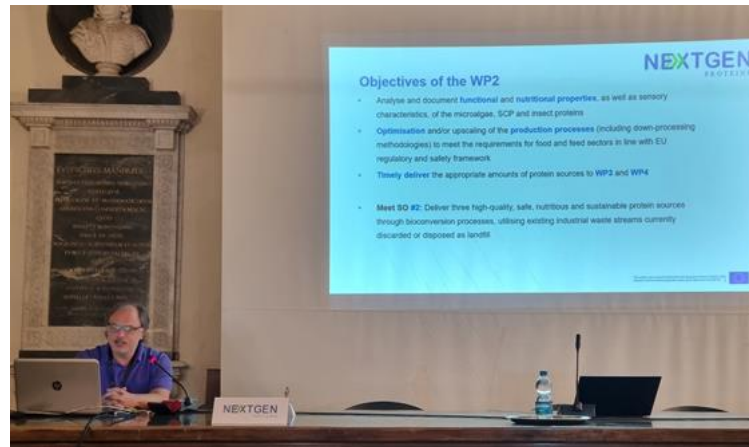
**Safety and Legal requirements**



**NextGenProteins' safety and legal  
requirements group is currently preparing  
policy recommendations to improve the**

EU regulatory framework based on research and societal needs.

## Production of alternative proteins



**NextGenProteins'** production group is currently working on the up-scaling of the production processes to meet the requirements of the food and feed sectors: feasibility and economic viability.

## Application in food products



**NextGenProteins'** food application group is focussing on the final steps of product development and on the consumer testing in four European countries.

## Application in feed products



**NextGenProteins'** feed application group is working on completing feeding trials with broiler chickens and turkeys. Additionally, the team is completing feeding trials with salmon and seabream.

## Market opportunities and business potential



**NextGenProteins'** Currently the work is concentrating on boosting consumer trust and acceptability towards alternative proteins and developing business models.

## Sustainability assessment



**NextGenProteins'** sustainability group is working on the Life Cycle Assessment (LCA) for the three alternative proteins.

### **NextGenProteins Publications:**

September 2022:

Tzachor, A., Smidt-Jensen, A., Ramel, A., & Geirsdóttir, M. (2022). Environmental impacts of large-scale Spirulina (*Arthrospira platensis*) production in Hellisheidi geothermal park Iceland: life cycle assessment. *Marine Biotechnology*, 24(5), 991-1001. – [Article in Journal](#)

October 2022:

Verstringe, S., Vandercruyssen, R., Carmans, H., Rusu, A. V., Bruggeman, G., & Trif, M. (2023). Alternative Proteins for Food and Feed. In *Biodiversity, Functional Ecosystems and Sustainable Food Production* (pp. 325-351). Springer, Cham. – [Chapter in book](#) (online)

### **NextGenProteins Presentations:**

September 2022:

Oral presentation at the [4<sup>th</sup> Horizon4Proteins Webinar on Sustainability of alternative proteins](#): Circular Economy perspective of alternative proteins. Hafþór Ægir Sigurjónsson

October 2022:

Oral presentation at the [Poultry Science Association – 2022 Latin American Scientific Conference](#): Dietary replacement

of soybean with different levels of  
Hermetia illucens meal during grower and  
finisher phases in broilers: effects on live  
performances and meat quality. F. Soglia,  
M. Zampiga, M. Petracchi, F. Sirri.

Oral presentation at [NutrEvent 2022 in the session on Alternative protein sources for animal nutrition](#). Julie Pecqueur.

Oral presentation at the [WEFTA 2022](#):  
Antioxidant properties of extracts from  
Arthrospira platensis enhanced by  
enzymatic hydrolysis. Geirsdóttir, M.

November 2022:

Oral presentation of NextGenProteins  
project during a seminar on Sustainable  
healthy diet: Science as a guide towards a  
sustainable future, organised by  
University of Iceland.

Oral presentation on the future of food  
systems, using the example of  
NextGenProteins at the [student climate summit](#) in Bremerhaven on 03.11.2022

Oral presentation at [EFFoST 2022](#):  
NextGenProteins: Bioconversion of  
Underutilized Resources into Next  
Generation of Proteins for Food and Feed.  
Marie Shrestha

### **NextGenProteins Dissemination activities:**

October 2022:

Attendance to the food exhibition [SIAL 2022](#) in Paris, France

Attendance to [Proteina 2022](#) in Marburg,  
Germany



November 2022:

Dedicated Horizon4Proteins sessions on the Innovation for Protein Diversification at the [food4climate pavilion](#) hosted by smart protein partner ProVeg on 10.11.2022 during [COP27](#) in Sharm-el-Sheikh, Egypt – [watch the recording of the session](#) –

Attendance to [IPIFF annual conference](#) in Brussels, Belgium on Shaping European food systems: How insect farming is contributing to the farm to fork strategy targets (16.11.2022)

Organisation of a joint consumer workshop in Espoo, Finland with [FoodSafety4EU](#) titled “Do consumers trust on novel food?” including presentation of [NextGenProteins results from consumer survey](#) and presentations from Finnish consumer associations and Finnish Food Authority. Language of the event: Finnish.

Attendance to [Food Ingredients Europe 2022](#) in Paris, France

### Upcoming

07–08.09.2023: [Next Generation Protein Conference](#), in Bremerhaven, Germany

*Thank you for reading, for following our channels, and for all your support.*

*Kind regards, The NextGenProteins Team*



**NEXTGEN**  
PROTEINS

Whishes you a wonderful festive season



**Are you interested in the NextGenProteins  
project?**

Please send us a message

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