

## **1 Executive Summary**

At the end of the first year in NextGenProteins the work is progressing as planned and the project partners are moving forward to fulfil the project objectives and the overall aim of optimising the production of three alternative proteins and verify their use in various feed and food applications, in order to meet customers' needs and ensure consumer acceptance.

After a successful kick-off meeting in Iceland in October 2019, the participants have been quite active; set up the necessary governance structure, met as needed (online) to prepare and start work in individual WPs and had dialogs and meeting with relevant stakeholders.

Work in all WPs has now been initiated. WP1 has delivered reports on the EU regulatory landscape for production and use of alternative proteins in both food and feed. In WP2 work in producing the alternative proteins has started with the aim of delivering the required quantities for tests in food and feed. The functional, nutritional and sensory characteristics of the proteins is being determined. A slight delay was encountered in the analysis due to the Covid-19 pandemic leading to delay in submission of D2.1. In WP3, first tests have started in the addition of algae and SCP proteins into ready meals and bakery products. Work has also started on developing an emulsion-based vegan sausage containing SCP, algae protein and/or cricket protein and the effect of the proteins on functional properties, taste and odour. Further, work has also started in WP3 on developing advanced functional food supplements containing all the three alternative proteins, algae, SCP and insects. In WP4, work has started on the formulation and production of feeds for physical-chemical analysis and the detailed planning of dose-response trials. Work has been initiated in WP5 to map market opportunities for the alternative proteins in both food and feed products from the aspects of consumers and stakeholders. Preliminary sustainability assessment has been carried out on the alternative proteins in WP6 and in WP7 a Responsible Research and Innovation framework has been established. Further, WP7 has launched the NextGenProteins website and delivered a Data Management Plan, as well as a PDER.

12 of the 13 deliverables due in the first 12 months were delivered on time, but one deliverable is late due to difficulties in carrying out sensory evaluation during the Covid-19 pandemic. Five of the seven milestones due in the first 12 months of NextGenProteins were reached on time, but two related to feeding trials are late but will be achieved during the 13-24 month period.

## **2 Introduction**

The 1<sup>st</sup> Annual summary report consists of three main chapters – the first one is a run through the WPs. The second part is an overview of the financial part of the project and how the finances are in line with the planned expenditure and the third part contains information on the 1<sup>st</sup> Annual Meeting of NextGenProteins that was held online, during the 17 and 18<sup>th</sup> of November 2020.