



VIDA

value-added innovation
in food chains

The first 5 VIDA innovation challenges

*which are selected and supported by the
VIDA Advisory Board.*

D1.3 of the Work Package 1



The VIDA project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement n° 777795.

Disclaimer

The content of this document represents the view of the author only and is his/her sole responsibility; it cannot be considered to reflect the views of the European Commission and/or the Executive Agency for Small and Medium-sized Enterprises (EASME). The European Commission and the Agency do not accept responsibility for the use that may be made of the information it contains.

The first 5 VIDA innovation challenges which are selected and supported by the VIDA advisory board.

Work Package	WP1 Addressing challenges and exploiting opportunities
Deliverable	D1.3 The first 5 VIDA innovation challenges which are selected and supported by the VIDA advisory board.
Due Date	31 March 2019
Submission Date	1 July 2019
Deliverable Lead	NP
Dissemination Level	Public
Document Nature	<input checked="" type="checkbox"/> R-Report <input type="checkbox"/> O-Other
Authors	Luboš Komarek (NP)
Contributors	Matthijs Plijsaar (SWA), Irene Cilla Simón (AFC), Clara Presa (ZNA), Katherina Ulrich (BNPT), Norbert Reichl (FPI), Carmen Disanto (LE2C), Sérgio Ferreira Alves (SPI), Morten Kildahl Sorensen (CLN)
Reviewers	Francisca Medina Pappermann (CEW)
Status	<input type="checkbox"/> Plan <input type="checkbox"/> Draft <input type="checkbox"/> Working <input type="checkbox"/> Final <input type="checkbox"/> Submitted <input checked="" type="checkbox"/> Approved



The first 5 VIDA innovation challenges which are selected and supported by the VIDA advisory board.

Contents

1. Executive Summary	1
2. Innovation challenges.....	2

1. Executive Summary

The main focus of the VIDA project is to foster the implementation of new solutions, preferably key enabling technologies that will lead to qualitative and quantitative improvements of the use of resources in the food sector, especially materials, water and energy.

To support the achievement of this goal the consortia partners defined three different types of support voucher schemes. First scheme is called “Innovation support voucher” and offers up to € 5,000 for individual service regarding a specific challenge. Second scheme named “Validation Voucher” offers up to € 25,000 to customized validation of innovative solutions and third support scheme “Demonstration Voucher” aims to boost demonstration of the innovative solutions in fully operational environment. All schemes are 100% funded.

Further information about the VIDA project and about the support schemes together with eligibility criteria, submission procedures etc. are available at: <https://vidaproject.eu/>.

This deliverable reveals the first five innovation challenges that were identified by the advisory board and should be tackled by the SME-led innovation projects, especially under the demonstration support scheme. Another resource efficiency challenges in the agri-food sector will be also considered eligible for funding. The list of challenges will be further developed where new challenges are foreseen to be specified. The challenges are rather thematically broad to open space for more innovative and creative solutions to be proposed.

2. Innovation challenges

The table below represents the first five current innovation challenges that were identified by the advisory board where for the identification the desktop research was executed and personal discussions among the project partners and with relevant experts were carried out. Furthermore, VIDA project partners together with companies and other entities identified specific cases that have explicit problem which is related to the VIDA scope and can be solved or reduced by the VIDA supporting schemes. These cases were also important during the process of identification of the challenges.

Food Sector	Resource efficiency challenges
Fish farming	Decontamination, closing loops
Sustainable farming North and South of Europe	Manure management; Water recycling; decontamination; Energy efficiency; clogging pipes/species; diffuse pollution
Brewery, wineries	Closing loops; innovative water sources; water treatments for industrial process; improvement of cleaning
Greenhouses	Energy–water efficiency and circular economy
Meat processing	Nutrients valorisation; energy efficiency in cooling and heating; water efficiency–monitoring and water footprint; organic pollutants degradation

Moreover, the following two additional challenges were identified in order to motivate the companies to prepare proposals that can tackle highly innovative topics.

Food Sector	Resource efficiency challenges
Sugar processing industry	Degradation of persistent organic pollutants; sugar production; nutrients valorisation
Soy/Milk processes	Nutrients valorisation; dewatering



clúster aragonés de **alimentación**



wateralliance

