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INGREEN Newsletter No. 1 - March 2020



Welcome to the first INGREEN newsletter. INGREEN is an EU-funded project that will develop functional innovative bio-based ingredients and products from paper and agro-food side-streams through biotechnological processes. In this newsletter, you will find our first press release that provides an overview of the expected project outcomes and news on the events that INGREEN participated in.

Connect with INGREEN on [Twitter](#), [LinkedIn](#) and [ResearchGate](#) to be updated on the project developments and research findings.



INGREEN – driving force for the bioeconomy

In June 2019, the INGREEN project was launched by an international consortium of seventeen partners, including key stakeholders and leading research groups. This new European BBI JU project aims to make an important contribution to the challenges posed at the scientific, economic and social level by the circular economy. It focusses on the conversion of waste and by-products from the agro-food industry and paper mills into new bio-based ingredients to be used by industrial sectors, increasing sustainability while contributing to a healthier society.

The challenges of the bioeconomy

The bioeconomy is an economic and cultural model that aims to convert the biological and renewable resources produced by society and industries into new raw materials. This is achieved by employing innovative and efficient industrial biological technologies. The challenge that INGREEN will focus on is to generate new bio-based value chains between very distant sectors: from the food, feed and cosmetics sectors to the pharmaceutical, nutraceutical and packaging sectors. Another objective is to increase society's knowledge and awareness of the benefits and opportunities of the circular economy.

According to the scientific coordinator, Professor Rosalba Lanciotti from the Department of Agricultural and Food Sciences of the Alma Mater Studiorum - University of Bologna, "INGREEN will generate five new value chains and multiple interconnections between different industrial sectors. It will also produce innovative and functional bio-based products that adhere to the most stringent European safety and quality regulations. The definition of new standards and requirements for the new categories of ingredients and products will also be a result of INGREEN, which will be fundamental for the creation of a new regulatory basis for bio-based products."



The INGREEN consortium at the kick-off meeting held in Bologna, Italy

New ingredients and new products

INGREEN aims, more specifically, to valorise whey, wheat and rye bran, and paper milling wastewater by transforming them into bio-based ingredients, through sustainable and industrially validated biotechnological processes. These ingredients can thus be reused in an industrial environment for the production of new high-quality food, feed, nutraceutical, cosmetic, or pharmaceutical prototypes, in addition to developing a biodegradable film for the packaging industry. These may be more sustainable and more effective than the reference products on the market today.

Next to contributing to less use of oil and gas for energy or feedstocks, the bio-based ingredients have properties that will benefit the overall health of society, with innovations directly impacting consumers.

The project consortium

INGREEN has been financed under the Bio-based Industries Joint Undertaking (BBI JU) with over 6.3 million euros in funding over three and a half years. This is part of the Horizon 2020 program and is a partnership between the European Union and the Bio-based Industries Consortium. Our project consortium consists of seventeen partners from ten different countries: four public research institutes, four large companies, eight small-medium enterprises and a federation of food scientists.

[Read the full press release here](#)

Other News

First INGREEN Steering Committee Meeting, Lisbon



Partners shared a number of initial research successes with the consortium at the Lisbon meeting in November 2019.

[Read more](#)

INGREEN at the EFFoST 2019 Conference, Rotterdam



The project participated in the EU collaboration corner during the 33rd EFFoST International Conference.

[Read more](#)



INGREEN at the BBI JU Stakeholder forum 2019, Brussels

INGREEN contributed to the BBI JU Project day and Stakeholder Forum 2019 held in Brussels. This event brought together the bio-based industries community and facilitated open discussions about the impact, achievements and strategic direction of the Bio-based Industries Joint Undertaking (BBI JU) programme, as well as allowing for the exchange of ideas and best practices.

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INGREEN Partners



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