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Terres Inovia is the applied research institute for vegetable oils and proteins. It is at the heart of innovation, from seed to processed product. Many of the challenges for oilseed and pulse production are widely shared on the international scene.

This is why Terres Inovia is a regular partner in European projects, allowing the development of important synergies. It interacts closely with the actors of the ecosystem linked to agricultural research and innovation, such as research organizations, consulting firms or economic actors of the collection and processing of crops.

This biannual newsletter will inform you about Terres Inovia's actions that give rise to national and European collaborative research and development projects for a greater sustainability of agricultural systems and oilseed and pulses production.

on the frontpage

Rapeseed: the phosmet withdrawal action plan is launched



Faced with the pressure of autumn pests and the withdrawal of phosmet from the market in 2022, a vast action plan has been launched. Co-led by Terres Inovia, it brings together the technical institute, the oilseed sector and the public authorities. The objective is to identify, by 2025, operational alternative strategies to the use of this insecticide. With a budget of 5.5 million euros, it is currently based on 8 applied research projects, involving many public and private partners. A new call for projects has been launched for 2023.

[To know more about the project](#)

[Launch of the "Phosmet Exit Action Plan" 2023 call for projects](#)

international projects

Diversification: Terres Inovia is involved in the development of two alternative crucifers: camelina and Abyssinian mustard



The technical institute is involved in an international Horizon Europe applied research project coordinated by the University of Bologna: CARINA. It associates 19 partners from 12 different countries to develop, in a co-design approach with groups of farmers, technical itineraries to develop two diversification crucifers, Brassica Camelina and B. Carinata. These two plants can produce oil seeds that can be valorized for their oils and proteins. The project is also of interest to the biomaterials and lipid chemistry sectors. The project is funded with 7 million euros.

[To find out more](#)

[To know more about the project](#)

Sunflower: a European project to improve the efficiency of variety trials



Terres Inovia is participating in INVITE, a European Horizon 2020 project led by the Horticulture and Seeds Research Institute. Launched in mid-2019 for five years, it brings together 27 partners from 12 different countries. It aims to improve the efficiency of varietal evaluation and the information available to stakeholders on the performance of varieties of ten species, including sunflower, under various production conditions. The last annual meeting of project participants was held in Vienna in April 2022.

[To find out more](#)

[To know more about the project](#)

national projects

Soils: a guide to assess biological fertility



How to optimize practices to store enough carbon in a sustainable way in soils and increase the activity of organic matter degradation that leads to the supply of nitrogen for plants? This was the objective of the Microbioterre project, funded by the Casdar and in which Terres Inovia participated. At the end of four years of work, it has designed an interpretation guide for 12 relevant microbiological indicators, presented at the final symposium on January 13, 2023.

[To know more about the project](#)

Agroecology: Nitrogen autonomy: the project EIP-Partage presents its results



In order to make crop systems more autonomous in nitrogen, and with less environmental impact, Terres Inovia participated in the PARTAGE project, the Regional Agronomic Program for Agroecological Transition in the Grand Est region, supported by the European Partnership for Innovation (EIP). The technical institute led one of the three axes of this project around agroecological issues in order to reduce nitrogen emissions.

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teams and skills

Focus on the physico-chemical analysis laboratory



Adding value to seeds and cakes is essential to offer outlets for human and animal nutrition. Downstream of production, Terres Inovia's physico-chemical analysis laboratory works to test, evaluate and control the technological and nutritional quality of ten oil-protein crops. This laboratory is at the heart of innovations: it has conducted, in particular, a survey on the near infrared and the needs of the oilseeds and pulses sector in terms of analysis in order to provide tools to promote the use of plant proteins and innovation by the food industry.

[to find out more](#)[To find out more](#)

Events: two conferences to transmit the latest innovations



In November 2022, Terres Inovia organized symposiums on two topics of interest: protein crops, with the Pea and Faba bean meeting, and bird damage on sunflower with a day of conference dedicated to this central concern of producers. These two events organized by the institute provided an overview of current research and the latest innovations.

[To find out more](#)[To find out more](#)

new from the field

Helping producers to choose varieties thanks to an agronomic merit index



Terres Inovia has revised its decision support tool (DST) for choosing oilseeds and grain legumes varieties. This second version of Myvar®, developed within the framework of the Cap Protéines program, allows to select the most adapted varieties to each production context through the implementation of an agronomic merit index.

[To find out more](#)

events

Terres Inovia will participate in two major international events in 2023:

World soybean research conference, 18
to 23 June 2023, Vienna,
Austria.

To find out more

16th International Rapeseed Congress,
24-27 September, 2023 in Sydney,
Australia

To find out more

About Terres Inovia



Terres Inovia is the technical institute for the vegetable oil and protein sector and the hemp sector. As an applied research organization, it supports producers of rapeseed, sunflower, pea, soybean, lentil, chickpea, lupin, faba bean, flax, lupin and hemp. It is involved in numerous partnership projects, whether regional, national or international.

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