



Enjoy reading
the EXCornsEED
newsletter!

WE INTRODUCE YOU THE COMPANIES IN OUR CONSORTIUM.

Role of the companies in EXCornsEED project.

In order to understand the role of the companies in EXCornsEED project, it's very important to focus on its mission. The purpose of the project can be synthesized in the activity of separation, fractionation and isolation of biologically active natural substances from corn oil and other side streams.

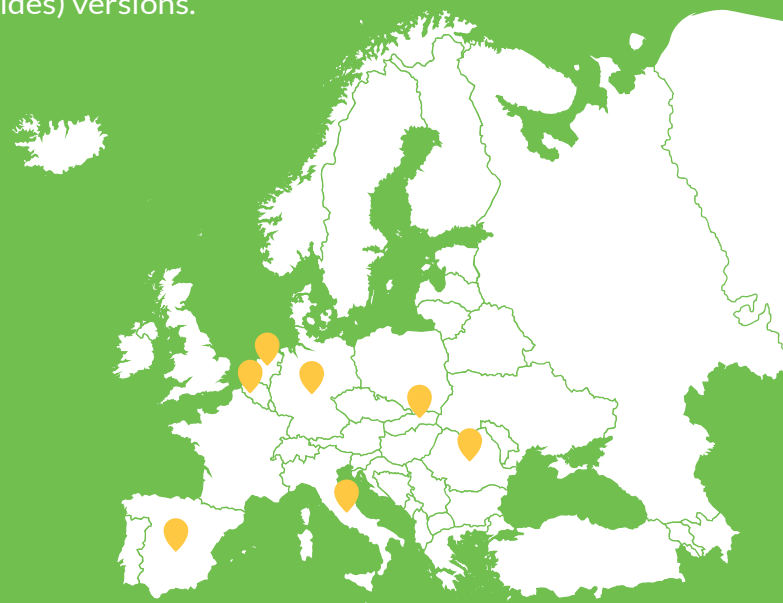
Consistently with these goals, the projects stems from a **sound industrial vision** set by various partners to **transform traditional bioethanol production in future biorefinery concept**, fully in line with EU strategies for a bio-based economy.

The concurrent presence of biotech producer ENV technology experts and some product companies is a guarantee of the **commitment towards a real market-driven project**.

An industrial approach is very useful to the production of added-value bio-based products, while making the production costs of biofuels **competitive without any governmental support**. Through the collaboration among **scientific experts and companies from the market**, the project will define how to obtain different compounds to be used in the **production cycle of the cosmetic and food industries**.

Let's see the main role of each company in EXCornsEED.

- **Enviral:** this enterprise is the raw materials provider. It leads the pilot development, testing/validation, exploitation and business planning.
- **HighChem:** it's responsible for the characterization of abundant compounds and residua in side stream and purified compounds.
- **CTA:** it's responsible for the preliminary assessment of the availability of the sustainability of produced feedstock used, market analysis and business assessment, techno-economic analysis, regulation and standards assessment, participation in exploitation or project results and coordination of communication activities.
- **Celabor:** it participates to development of valorisation process and pilot plant demonstration and to market assessment and exploitation.
- **Innovation Engineering:** it's concerned with the design of the project identity, branding and all templates; it has developed and now maintains the project official website. The company leads stakeholders analysis and participates to market analysis and exploitation.
- **Dr Lauranne:** Dr Lauranne's contribute is about the formulation and the development of cosmetics products based on extracted ingredients.
- **Procter & Gamble:** P&G tests extracted/purified ingredients for high-end applications as green alternatives in specialty chemicals.
- **Biozoon GmbH:** Biozoon is responsible for the formulation and development of food supplements and the incorporation into different food matrices.
- **Nutricia Research:** its task is formulation and development of food supplements in basic (protein) and premium (protein+fibrés+peptides) versions.



COMMUNICATION ACTIVITIES

ENVIRAL

ENVIRAL a.s. is the first and leading, private held company in the area of bioethanol production in Slovakia.

The Company has the best technical and appliance infrastructure adapted to production of ethanol from starchy raw materials at their disposal. Among bioethanol, ENVIRAL is producing dried distillery grains with solubles (DDGS) as a by-product for further production of animal feed.

The main vision in ENVIRAL a.s. is a wasteless production process and its sustainability throughout the whole production chain.

www.enviral.sk

HIGHCHEM

HighChem belongs to one of the world's most innovative companies in development, design and engineering of bioanalytical technologies that enable chemists, pharmaceutical scientists and biologists to turn complex data into new products and discoveries.

Mastering the fragmentation prediction on an advanced level, HighChem Mass Frontier™ is the undisputed worldwide leading software for the interpretation, management and processing of mass spectral and chromatographic data that has been licensed to more than 2000 laboratories, including major pharmaceutical companies. In addition to desktop solutions, HighChem develops library and cloud systems, and builds large data collections of fragmentation knowledge, experimental spectra and organism specific biochemical data that are indispensable in modern biochemical, pharmaceutical, metabolomic, forensic and environmental applications. Our goal is to make the inherently difficult tasks of drug development, natural products identification, and biomarker discovery straightforward and more efficient in order to open doors for a wide spectrum of customers to new innovative products.

What can HighChem do for EXCornsEEd project? Just think that the company has developed and patented a method called Precursor Ion Fingerprinting (PIF) and introduced a spectra tree database concept. PIF identifies substructural information through the comparison of the product ion spectra of structurally related compounds.

www.highchem.com

CTA

Technological Corporation of Andalusia (CTA) is a private foundation that was born from a public-private partnership. For more than 13 years, CTA has been supporting R&D activities through financing, mentoring and cooperation with main Andalusian stakeholders, emerging as a singular multi-sectorial and innovation cluster. For the past 13 years, 670 R&D business projects have been funded by CTA with more than €168 million of investment.

Currently, CTA is owned by more than 160 companies, 70% of them SMEs, in 7 main European industrial priority sectors: ICT, Aerospace and productive processes, Agrofood, Biotechnology, Building and Civil Engineering, Energy and Environment, and Leisure and Tourism.

www.corporacionteconologica.com

CELABOR

Celabor is a Belgian scientific and technical center, offering scientific and technical support to companies in the field of agri-food (nutrition and extraction), packaging, environment and textiles. Celabor has 20 years of research experiences and has been involved in a number of EU and national projects.

Their staff is constituted of a multidisciplinary team of some forty scientists (doctors, engineers, graduates and technicians) who work according to a strong quality system, in order to guarantee their clients the most reliable results possible.

www.celabor.be

PROCTER & GAMBLE

Procter & Gamble was founded in 1837, and never stopped growing since then. Its business is made by a series of single brands and its mission is strongly related to this kind of organization: the company aims to provide branded products and services of superior quality and value that improve consumers' lives all over the world.

P&G has always focused on the idea of industry revolution, finding new solutions, innovative ideas and strategies, looking forward the future, improving people's lives thanks to products that make every day better.

Through the years, the company has shown a high commitment to environmental issues, with an important focus on sustainability, gender equality and social inclusion. This can have a very spreadly impact, because P&G has operations in nearly 70 countries and its network of brands, employees and partners works in order to make the difference by being more transparent, building collaborative partnerships, respecting human rights, sourcing responsibly and so on.

www.us.pg.com

DR. LAURANNE

The company, born in 1971, has been involved in the production and distribution of cosmetics. It carries out constant search for new cosmetic preparations, also available for third parties, both for the aesthetic market and for the pharmaceutical market. Each line is carefully designed to offer specific and quality treatments, with natural ingredients selected by industry experts; so Dr. Lauranne offers tailor-made solutions which can really match each individual's necessity, in fact their motto is: *unique products for unique individuals*.

Dr. Lauranne can use its know-how in the project for developing cosmetic product transforming the ingredient extracted into the right cosmetic form (emulsion, gel, oil ect).

www.drlauranne.eu

BIOZOON

Biozoon GmbH was established in 2001 and its business concept is based on three pillars:

- providing advisory services to the food industry;
- development and protection of food processes and products, protecting them by means of IPR and licensing;
- development, production and sales of own products.

The main activity comprises the development and production of innovative food products; here Biozoon is market leader in the field of processed texturizers for the gastronomy, catering, canteen kitchen as well as for private consumers. All products are developed by Biozoon itself and protected by respective IPR – trademark or patent. So the enterprise makes an important contribution to innovation in the field of gastronomy as well as to modern forms of nutrition for specific segments of the population.

An interesting news: further recently a pilot line for producing 3D printed modified texture food for elderly was installed.

www.biozoon.de

INNOVATION ENGINEERING

Innovation Engineering is an Italian company focused on the design and development of advanced IT solutions to search, access and manage relevant knowledge within enterprises, on the web, and in structured databases, with specific focus on the technology innovation domain.

Currently Innovation Engineering is also a crucial partner in the BIOPEN project (funded by Bio-based Industries Joint Undertaking - BBI JU), and within this framework it developed the open-innovation platform supporting the cooperation among biobased clusters in Europe, used by the EXCornsEED partners (if you want to know more about it: sign up to the link: <https://www.biopen-project.eu/>).

Due to its core business, Innovation Engineering contribution to EXCornsEED is very specific: in fact, the company owns an advanced server infrastructure for the provision of web and research services that consists of two physical servers, with excellent hardware features, and a storage area network with more than 8 TB of disk space.

www.innovationengineering.eu

NUTRICIA RESEARCH

Nutricia Research is the global R&D organisation behind Early Life Nutrition and Advanced Medical Nutrition, divisions of Danone, sharing its global mission to deliver health through food to as many people as possible, and it aims to create nutritional solutions for vulnerable groups. NUT is made up of expert teams in technology, life and food sciences, and it's a global research and development organisation with over 120 years' experience.

Nutricia Research aims to understand how nutrition impacts growth, development and body composition in preterm and term infants, toddlers and mothers to be. The organisation use these insights to provide the nutritional products needed for optimal development.

www.nutriciaresearch.com

KEEP INFORMED

If you want to learn more about the EXCornsEED project or get in touch with one of the EXCornsEED partners, please visit the EXCornsEED website or follow the project on Twitter and LinkedIn.

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www.innovationengineering.eu



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