



MEMBER OF BASQUE RESEARCH
& TECHNOLOGY ALLIANCE



2025 ANNUAL REPORT



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Iosu Ogiza Gerediaga PRESIDENT



Jon Anakabe Onaindia MANAGING DIRECTOR

2025 has been a year for reaffirming who we are and, above all, what role we wish to play in the future. Against a backdrop of rapid transformation – industrial, technological, energy-related and social – technology centres are called upon to take on a greater responsibility: that of further enhancing our capacity to influence the transformation of businesses and the region, putting knowledge and technology at the service of real, sustainable and forward-looking change.



Our commitment is not limited to addressing current market needs; we also want to help break new ground, unlock industrial potential and accelerate the roll-out of innovative solutions wherever they can make a tangible difference.

At Learthiker, we see this responsibility as an opportunity. An opportunity to broaden our impact, to anticipate emerging challenges and to contribute, through science and technology, to building an industry that is more sustainable, more competitive and better equipped to shape its own future.

Throughout the financial year, we have continued to make progress in **consolidating a unique model for a technology centre: one that is collaborative, specialised, closely linked to the productive sector and, at the same time, capable of operating ambitiously in scientific and technological fields with high added value.** Our commitment is not limited to addressing current market needs; we also aim to help forge new paths, unlock industrial potential and accelerate the delivery of innovative solutions wherever they can make a tangible difference. This is the rationale behind our efforts to strengthen each of our areas of expertise and the way in which we understand our mission: to connect science, industry and society to drive meaningful progress.

Throughout 2025, Learthiker has continued to strengthen its capabilities in **advanced materials and digitalisation, sustainable manufacturing, biomedical engineering and biomimetic models, and healthy and sustainable food, with an increasingly integra-**

CENTRE MESSAGE

ted and transfer-oriented approach. This evolution is not driven solely by a desire for internal growth; it reflects a strategic commitment to positioning ourselves at the intersection of some of the key challenges of our time: the digitalisation and decarbonisation of industry, the development of new healthcare solutions, the optimisation of food systems, and the need to accelerate more efficient, robust and scalable innovation processes. In this context, **one of the most significant milestones of the year has been the creation of LTK Cryosolutions, a new start-up focused on the bio-health sector**, which represents a concrete example of our commitment to transforming knowledge and technological capabilities into new technology-based initiatives.

It has also been a year in which we have consolidated the foundations for Learthiker's future. 2025 also marks the **culmination of the Learthiker 2025 Strategic Plan**, the result of four years of sustained work, capacity-building and stabilising our team. Reaching this milestone is not an end in itself, but rather confirmation that Learthiker now has a more solid, cohesive foundation, ready to embark on a new phase of growth, specialisation and impact. Our aim is clear: **to strengthen Learthiker's position as a leading player in knowledge generation and technology transfer, capable of combining technological excellence, business impact and a commitment to the development of the local community.**

On this journey, financial stability remains an essential factor – not as an end in itself, but as the prerequisite that enables us to sustain long-term projects, attract talent, modernise our infrastructure and explore new technological frontiers. Closing the financial year with an **increase in turnover and a profit** reinforces this capacity and allows us to look to the future with confidence, but also with a sense of duty: to continue evolving, setting the right priorities, cooperating more and

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A strategic commitment to positioning ourselves at the intersection of some of the key challenges of our time: the digitalisation and decarbonisation of industry, the development of new healthcare solutions, the optimisation of food systems, and the need to accelerate more efficient, robust and scalable innovation processes.

better to achieve this through shared critical mass, and enhancing the value we deliver to our clients, partners and stakeholders.

If anything defines our project, apart from our technological specialisation, it is the way we do things: through cooperation, through our deep-rooted presence and through an unequivocal commitment to service. With the progress made in structuring **MONDRAGON's Knowledge Division**, we have strengthened our position as part of an ecosystem that can only move forward if it is able to bring together knowledge, business, institutions and the local area, all working towards the same goal. That is why we remain committed to **partnerships, inter-cooperation and a close relationship with the industrial and social fabric**, convinced that the most valuable innovation is that which transforms shared realities.

We look ahead to 2026 with ambition and a sense of responsibility. Ambition to continue growing in terms of impact, capabilities and positioning. And responsibility to do so without losing sight of what defines us: rigour, approachability, a commitment to transformation and our cooperative identity. In that same spirit, throughout 2025 we have worked on, agreed upon and launched the **new LTK2029 strategic plan**, which will set out our priorities and areas of development for the next four years. We would like to express our sincere thanks to all the people and organisations that make this shared project possible: our partner members and shareholders, our clients, institutions and, most especially, the Learthiker team. Thanks to their commitment, Learthiker continues to move forward steadily, increasingly becoming a key player in shaping the future.

BAGOAZI!

CENTRE MESSAGE

TECHNOLOGY CENTRE SPECIALIZED IN FOOD TECHNOLOGY AND POLYMERS TECHNOLOGY

We are a technology centre located in MARKINA-XEMEIN (Bizkaia), specialising in Food Technology and Polymers Technology and our mission is to add value to the business sector through our R&D&I activities and the appropriate transfer of their results.

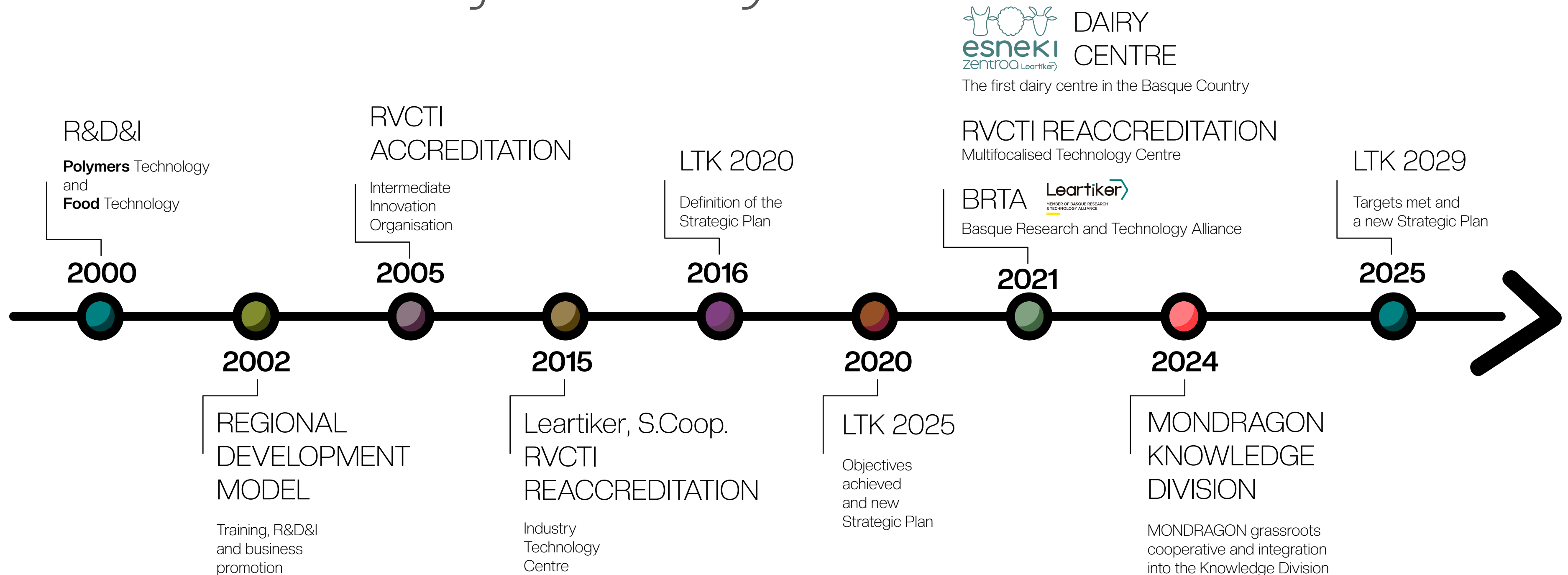
We belong to the Basque Science, Technology & Innovation Network (RVCTI) (as a multi-focus technology centre) and the Basque Research & Technology Alliance (BRTA). We are also a non-profit cooperative that is part of the MONDRAGON Corporation, the foremost Basque business group and the largest cooperative in the world.

“ The Leartiker project is based on a collaborative model, turning knowledge into added value, facilitating diversification processes and creating new jobs, mainly locally.

- INVOLVEMENT
- CONFIDENCE
- SERVICE ORIENTATION
- POSITIVISM
- SCIENTIFIC RIGOR

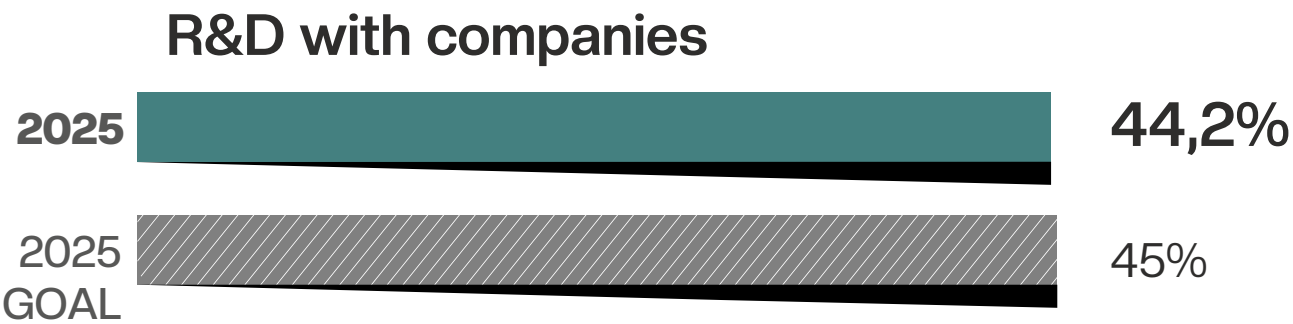
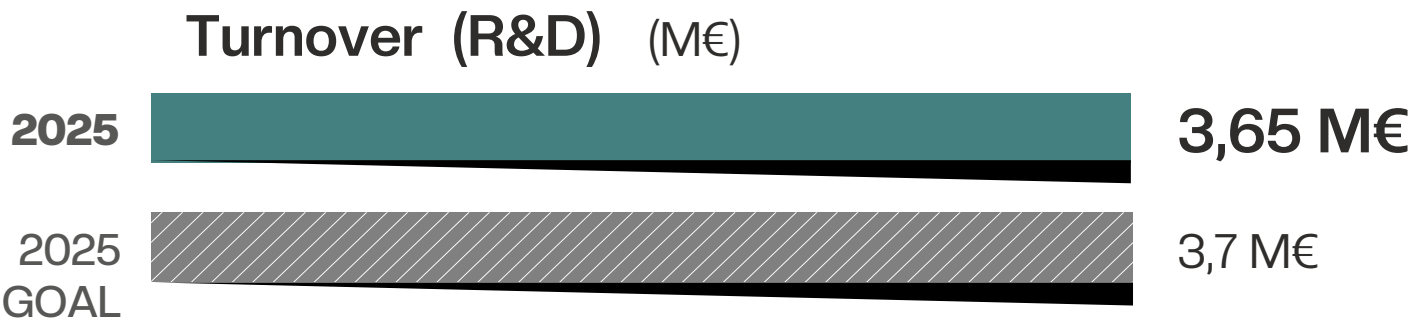
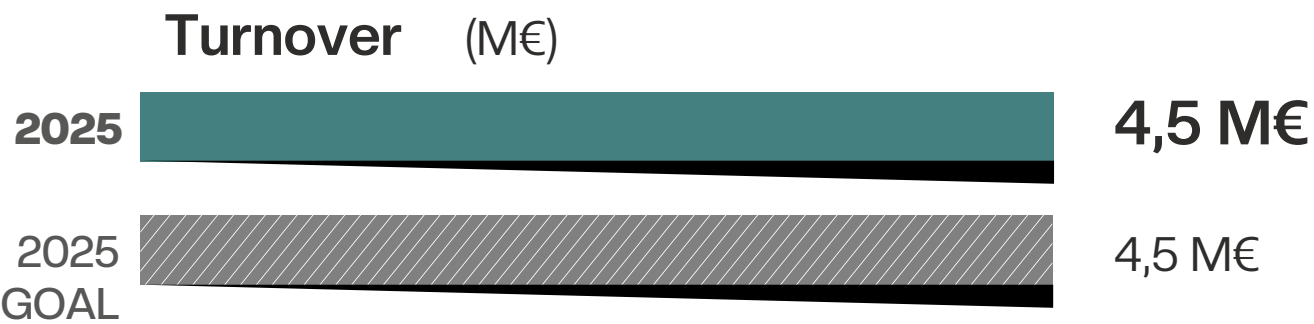
ABOUT US

Trajectory

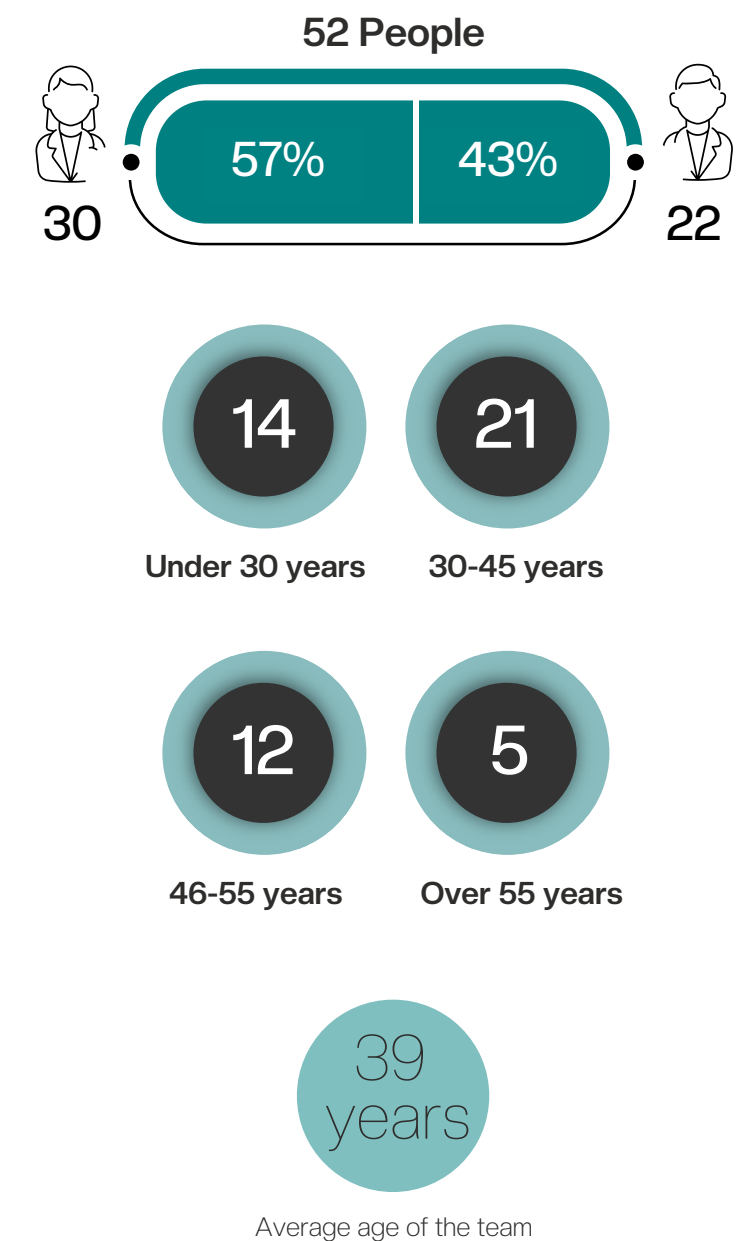
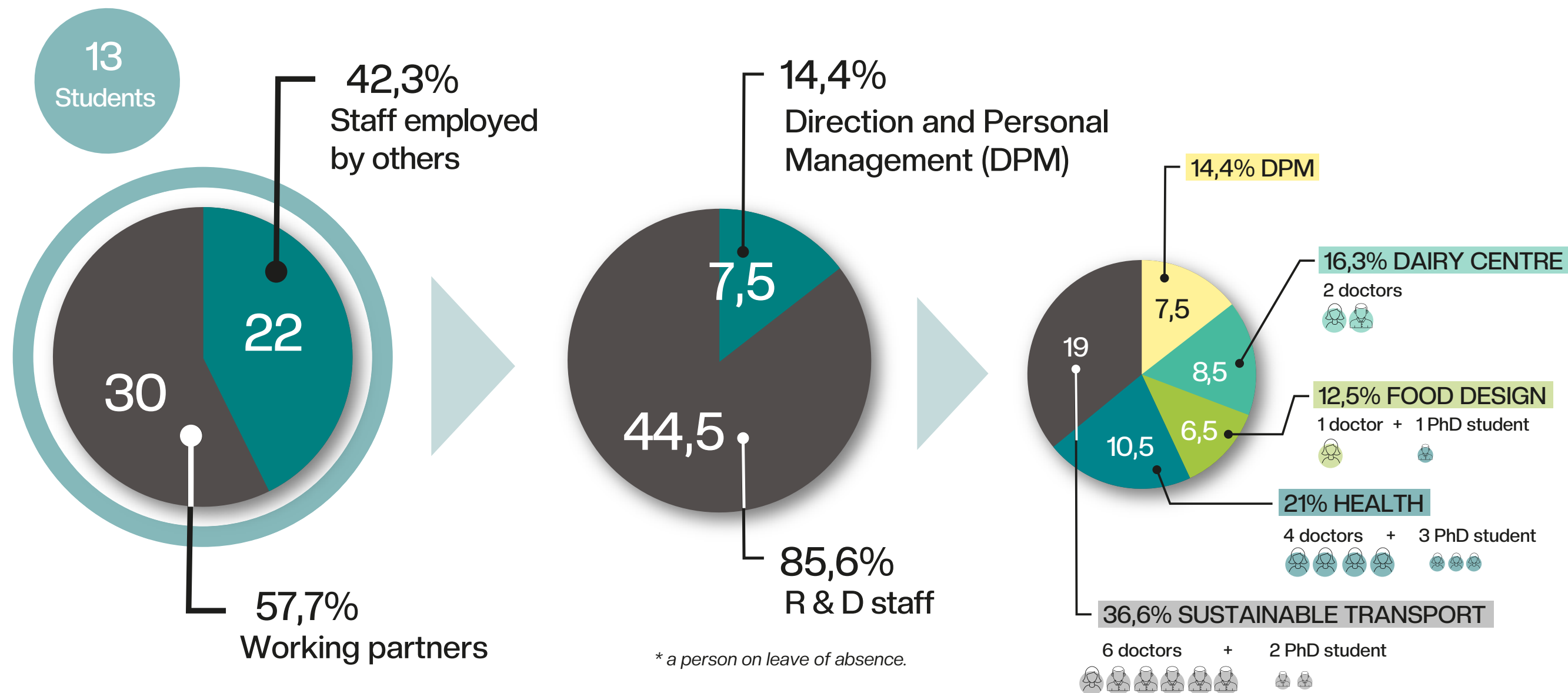


ABOUT US

Figures



People

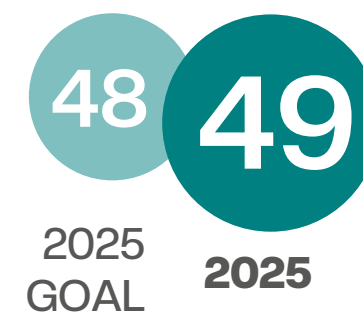


Scientific indicators

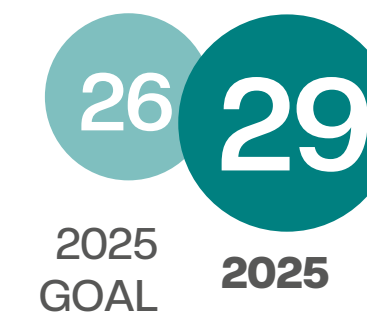
International projects



Scientific articles



Q1 scientific articles



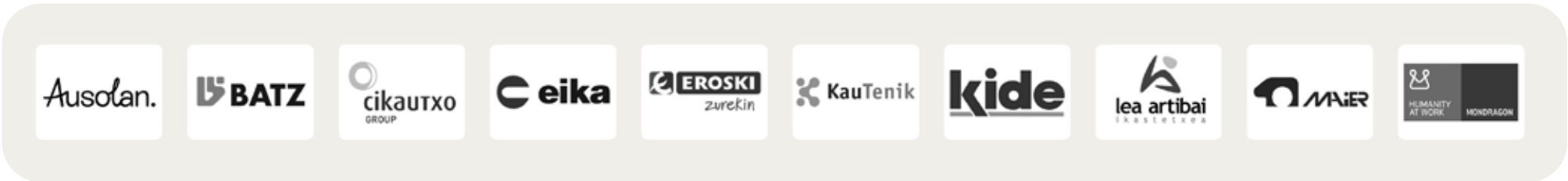
Patents applied for



Doctors



PARTNERS AND SHAREHOLDERS



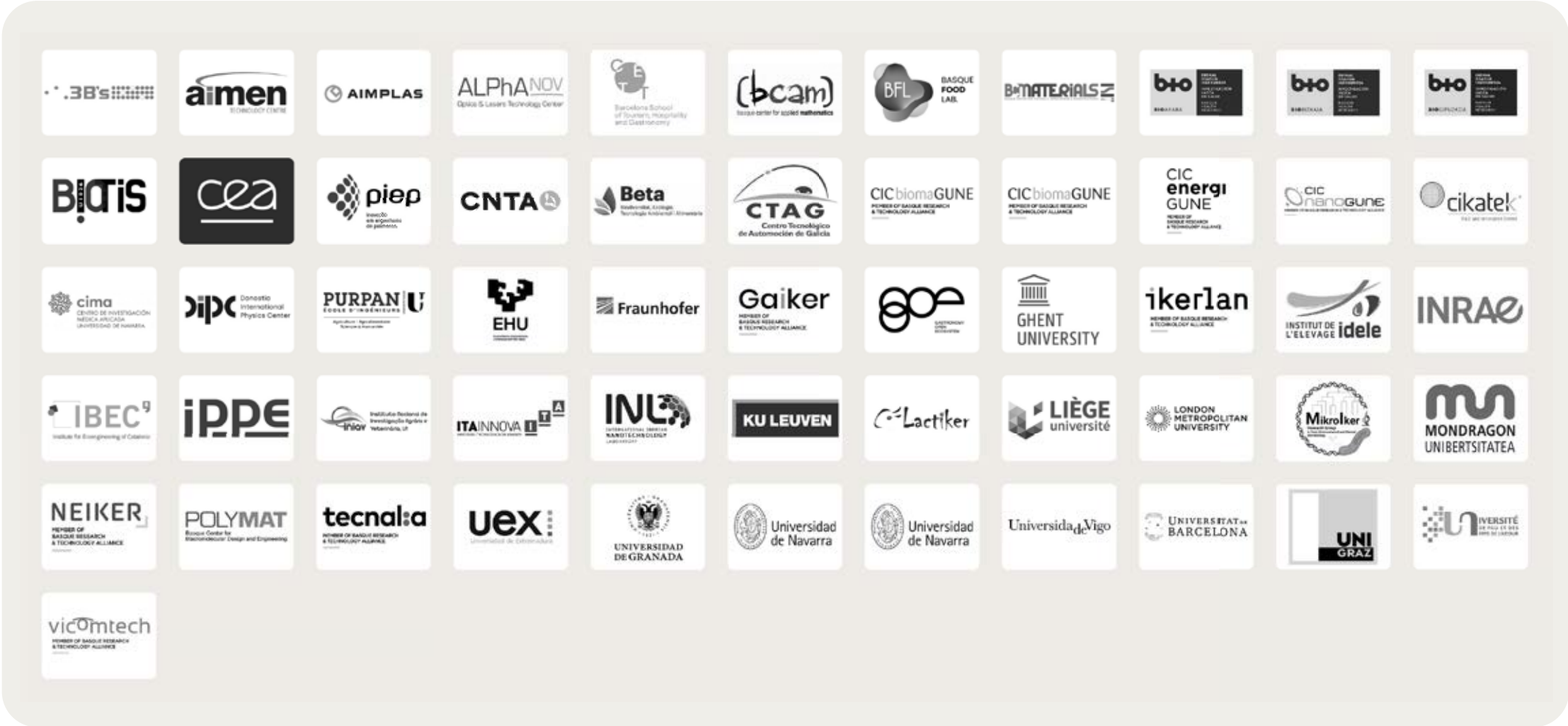
PUBLIC INSTITUTIONS



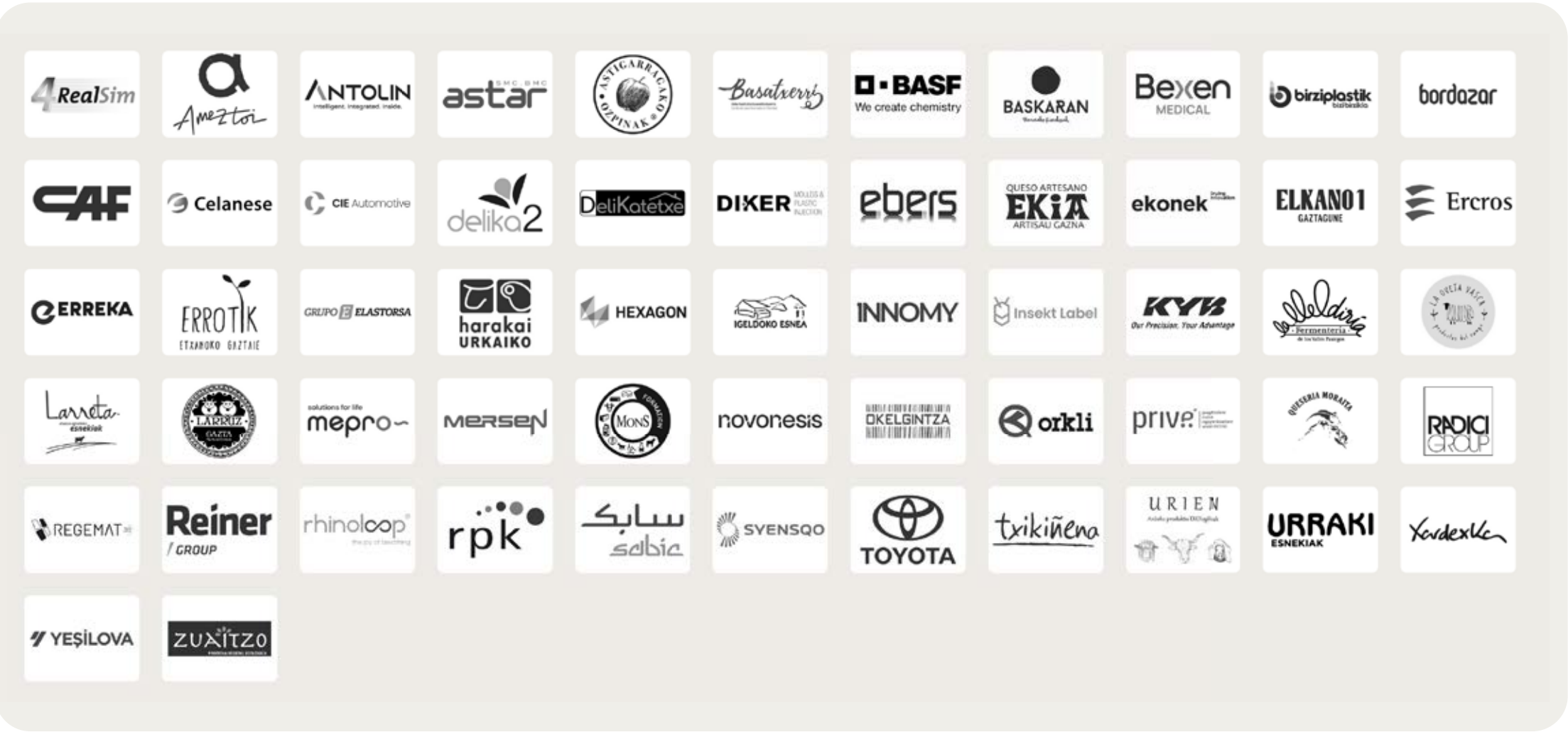
HOSPITALS



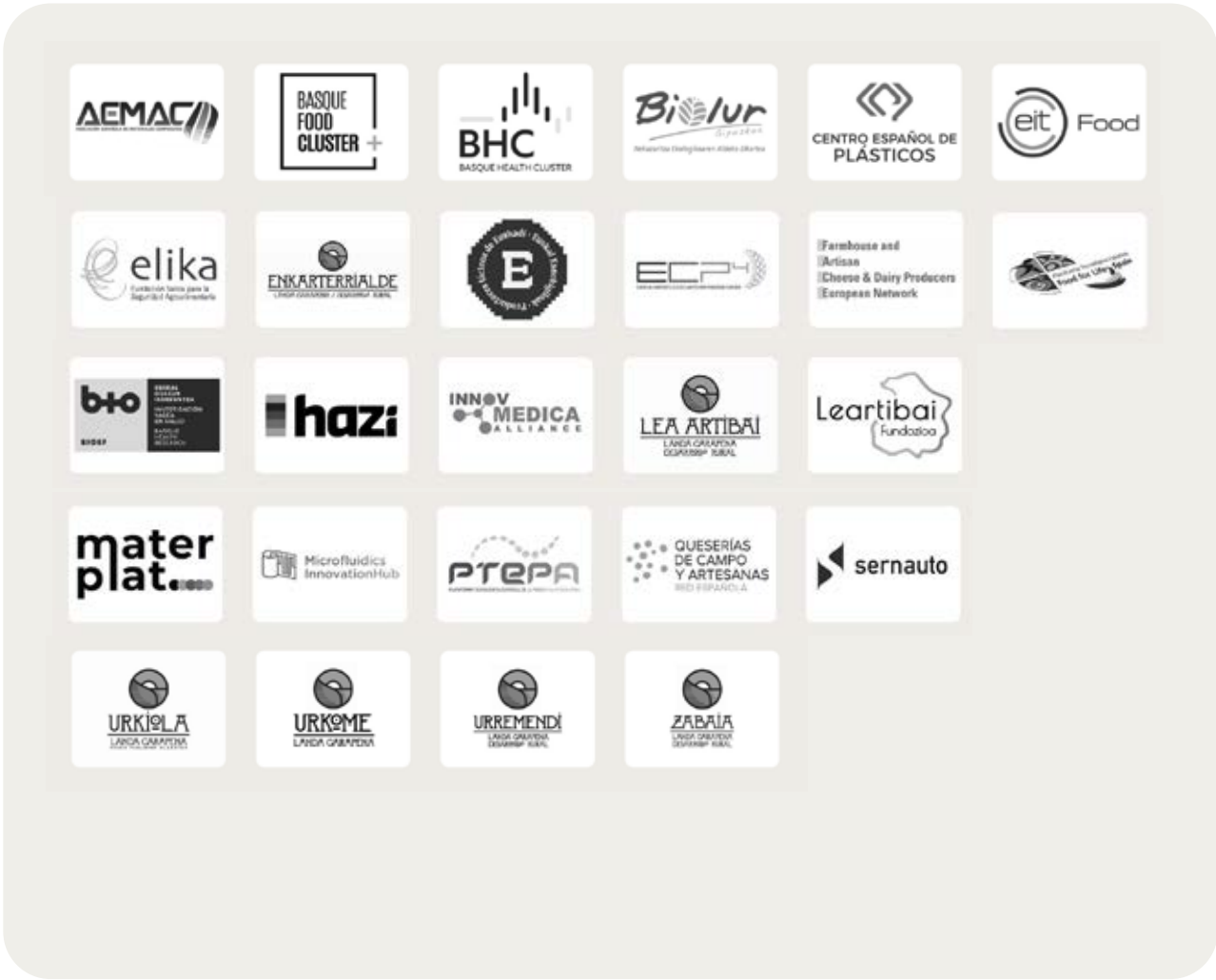
UNIVERSITIES, RESEARCH CENTRES AND TECHNOLOGY CENTRES



COMPANIES



ASSOCIATIONS





FOOD

TECHNOLOGY

Food Design
Dairy Centre



POLY
MERS

TECHNOLOGY

Health
Sustainable Transport

Food Technology

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Lear

tiker Food Technology's main objective is to develop innovative, healthy and sustainable products by promoting the use of local raw materials and using natural (unprocessed) manufacturing processes. In the field of dairy products, we continuously strive to stand at the forefront of the Basque Country's artisan dairy sector.


FOOD DESIGN



DAIRY CENTRE



Food Design

We develop new healthy and sustainable products produced using local raw plant- or animal-based materials with added value.

Areas of research:

NEW PRODUCTS

FERMENTED PRODUCTS



FROM IDEA TO MARKET



“

We understand, design, develop and test.

FOOD DESIGN

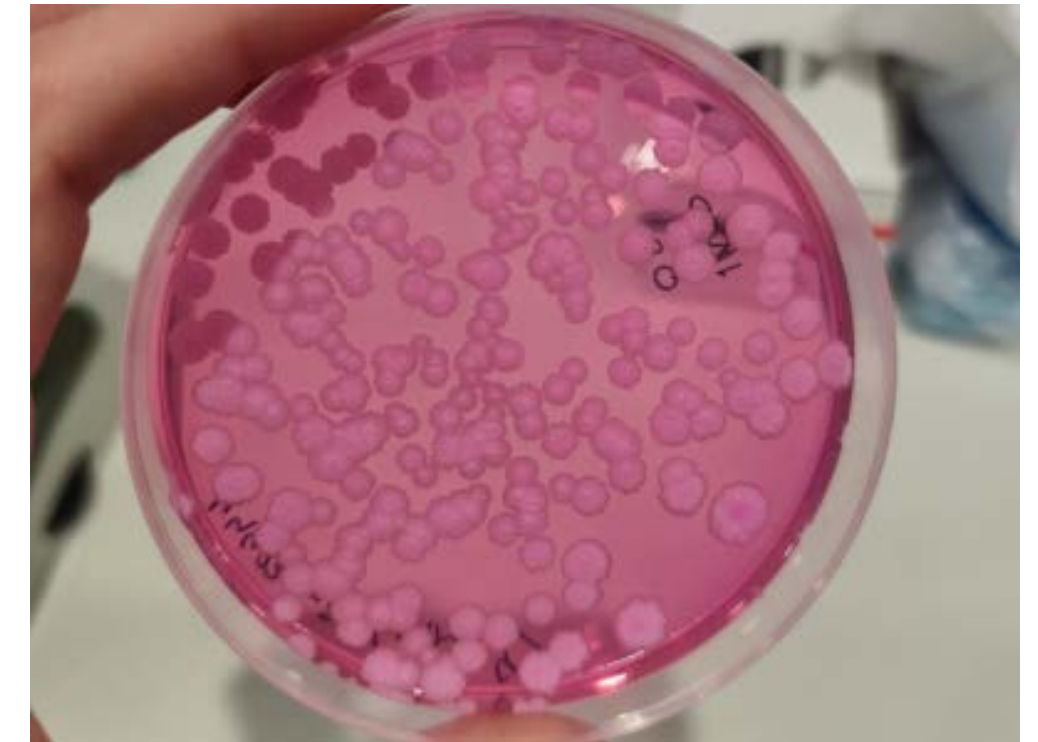
PROJECTS

FROM IDEA TO MARKET



FERMATEC

TRANSFERencia para la FERMENTación,
Aplicaciones y TECnología en el desarrollo
de nuevos alimentos



BIOBREW

Caracterización experimental de las
interacciones entre bacterias y
levaduras en fermentaciones mixtas
de baja graduación alcohólica



Dairy Centre

The Dairy Centre offers a range of services including the development of new cheeses and dairy products, research into raw materials and production technologies, advanced technical consulting, specialised training and much more.

Areas of research:

MILK Study of its composition and microbiological characteristics.

SAFETY Identification of risks and processes to guarantee safe dairy products.

TECHNOLOGY Key parameters for the production and maturing of cheeses and dairy products.



Our milk,
our farmers,
our health.



“

Our challenge is to promote the diversification and competitiveness of small farmers, and to pass along our passion for innovation.

ESNEKI ZENTROA / DAIRY CENTRE

PROJECTS

OUR MILK, OUR FARMERS,
OUR HEALTH.



SHIGA

Estudio genético de diferentes cepas de Escherichia Coli con capacidad de producción de toxina Shiga



BEHITEK

Desarrollo de quesos innovadores de leche de vaca de calidad diferenciada

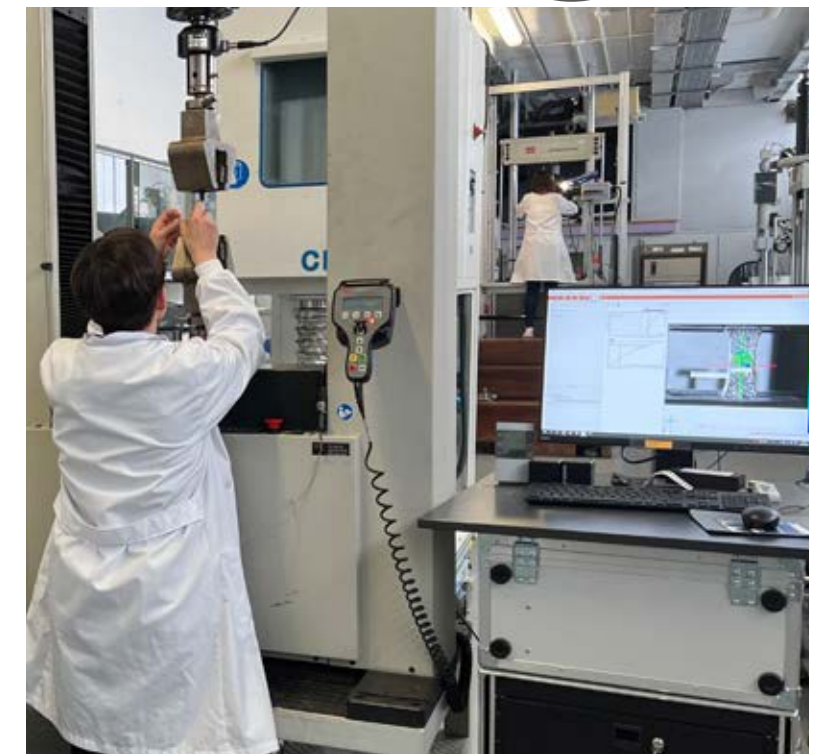
Polymers Technology

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Leartiker Polymer Technology focuses on design concepts for manufacturing with polymeric materials, from the development of different materials to their manufacturing processes, including material and product characterisation and digital simulation (in silico).



HEALTH



SUSTAINABLE
TRANSPORT

Health

FROM IDEA, TO PATIENT

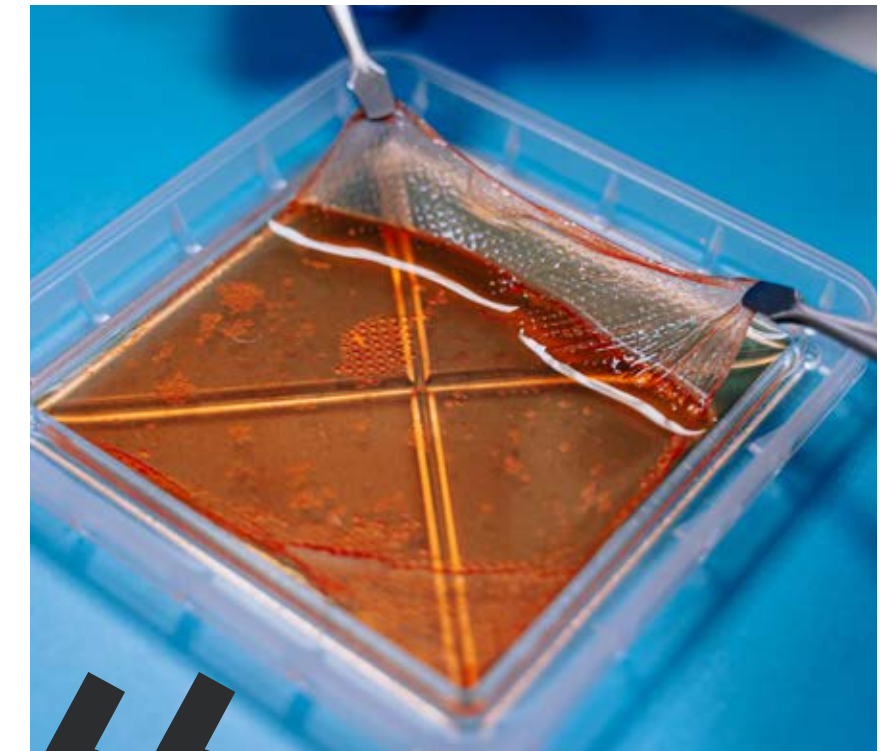
New biocompatible polymeric materials designed for the bio-health sector.

Areas of research:

MICROFLUIDICS PoC, LoC and OoC devices using injection moulding technologies.

TISSUE ENGINEERING Manufacture of 3D structures (hydrogels and thermoplastics) using (bio)printing technologies according to the target tissue, and development of microgels for cell therapies.

POLYMERIC DEVICES FOR MEDICAL APPLICATIONS Polymeric devices for medical professionals; medical imaging, patient personalisation.



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Working closely with hospitals and health research institutes.

HEALTH

PRO JECTS

FROM IDEA, TO PATIENT

**Interreg
POCTEFA**



Cofinanciado por
la UNIÓN EUROPEA
Cofinancé par
l'UNION EUROPÉENNE

ININTERACT



ININTERACT

Red innovadora sobre ingeniería tisular:
investigación, aplicación y transferencia
tecnológica colaborativa



biOAdin

Caracterización experimental de las
interacciones entre bacterias y
levaduras en fermentaciones mixtas
de baja graduación alcohólica

Sustainable Transport

Development of polymeric components for the transport sector; from material design to the end of its useful life.

Areas of research:

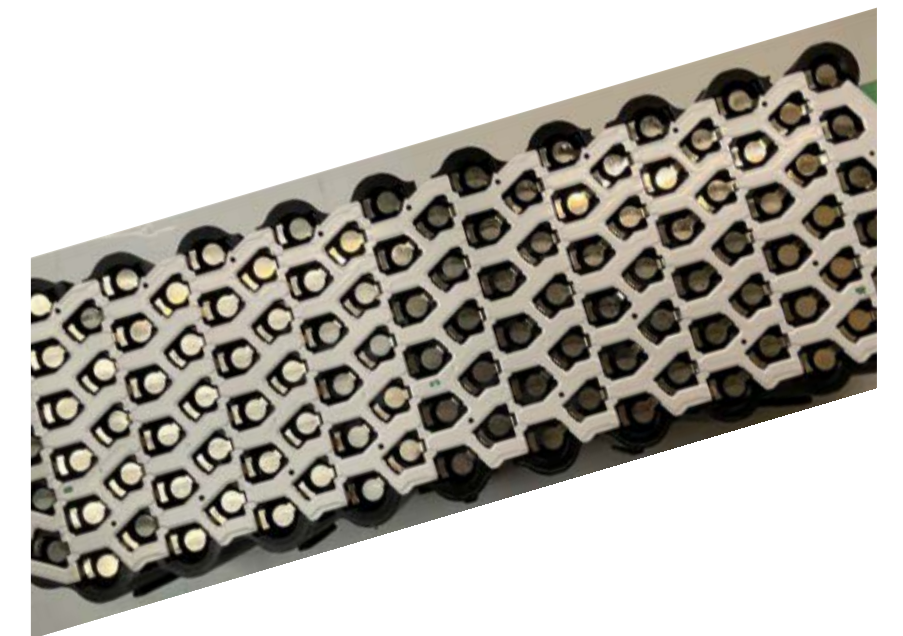
**DESIGN AND DEVELOPMENT OF NEW
SUSTAINABLE POLYMERIC
MATERIALS**

PRODUCT AND PROCESS DEVELOPMENT

**THERMO-MECHANICAL PERFORMANCE
ASSESSMENT AND PREDICTION**



TURNING CHALLENGES
INTO OPPORTUNITIES
FOR MOBILITY.



“

END-TO-END coverage
of the value chain.

SUSTAINABLE TRANSPORT

PRO JEC TS

TURNING CHALLENGES INTO
OPPORTUNITIES FOR MOBILITY



ELASTBAT

Digitalización y control inteligente para investigar productos TPE para módulos de batería y su proceso de producción.



COMPO-R-PET

Desarrollo de formulaciones termoplásticas sostenibles basadas en el empleo del R-PET para la fabricación de diferentes bienes de consumo.

INVESTMENTS IN NEW FACI LITIES



METRAVIB DMA +2000

For research on dynamic properties of composite materials and Fatigue Crack growth of elastomeric materials..

AZPITEK 2023



BIOMATERIALS LAB

Manufacture of different biological tissues by 3D printing and compounding.
Development of 3D tumour models.
Development of microgels for cell therapies.

BFA TI 2023



PHOTOVOLTAIC SYSTEM INSTALATION

Next Generation EU Funds - Recovery, Transformation and Resilience Plan.



MICROFLUIDICS LAB

Development of diagnostic devices (PoC) or Organ-on-chip (OoC).

BFA TI 2023

CHALLENGES

NEW STRATEGIC PLAN.

Once the established challenges have been met and the Leartiker 2025 Strategic Plan has been successfully completed, a new and ambitious strategic plan will be agreed upon and approved, defining the roadmap towards the Leartiker of the future, reinforcing our commitment to innovation, excellence and social commitment, with a sustainable vision focused on the balanced development of our environment.

CREATION OF NEW TECHNOLOGY-BASED COMPANIES.

Based on Leartiker's portfolio of protected assets, the valuation of those prioritised assets will be promoted through their transfer to a new start-up, with the backing of public-private support. The creation of companies from a technology centre represents an exciting challenge for us, in line with our vocation to complete strategic value chains and actively contribute to the generation of quality employment in our environment.

NEW REFERENCE CENTRE FOR THE BASQUE DAIRY SECTOR.

Leartiker, from its Esneki Zentroa - Dairy Centre, continues to make determined progress in promoting the reference centre for the Basque dairy sector, in close coordination with HAZI Fundazioa and Markina-Xemein Town Council. This strategic project aims to become a meeting and collaboration space for dairy producers, offering tools, specialised knowledge and support to successfully tackle the current challenges facing the sector, such as digitalisation, innovation and the incorporation of new technologies. This initiative reinforces our commitment to the sustainable development of the agri-food sector and to strengthening the local productive fabric.

PEOPLE AT THE CENTRE.

ATTRACTING AND RETAINING TALENT WITH AN EXCITING PROJECT.

We aspire to make Leartiker the best place in the world to work in research and development, creating a stimulating and enriching environment both for the people who form part of the team and for our immediate surroundings. We want to attract and retain talent by cultivating an authentic organisational culture that is consistent with our identity, essence and distinctive values. An exciting project that puts people at the centre and reinforces our commitment to a sustainable, unique and transformative model of professional and human development.

SOCIAL COMMITMENT

At Leartiker, we understand that economic development must go hand in hand with a genuine commitment to **People**, the **Community** and the **Environment**. That is why, throughout the year, we promote various initiatives that reflect our involvement in education, equality, inclusion, sustainability and the well-being of the people who form part of our ecosystem.

To bring the world of work closer to the younger generations, we have welcomed several groups of students to our facilities, giving them the opportunity to learn about our activity first-hand and sparking an early interest in the field. Along the same lines, we participate in the **TALENTATU** programme, which seeks to connect young people with the local business community by showcasing the professional profiles that exist in their immediate environment.

In the field of **equality and the visibility of women in science and technology**, we have taken part in activities such as a round table with female scientists and technologists, as well as in the campaign to decorate shop windows with posters of leading women, in which one of our researchers also participated.

Our commitment to **inclusion** has been reinforced by our collaboration with **Izarbidean**, an association of people with functional diversity in our area, with whom we have been able to collaborate on the Christmas hamper, which included handicrafts created by its users. An enriching initiative that touches us all.



We firmly believe in the role of companies as agents of change and sustainable development. That is why we integrate the principles of the **2030 Agenda** into our activities and actively work towards several **Sustainable Development Goals (SDGs)**.

Leartiker is located in Markina-Xemein, in the Lea-Artibai region, an area where **Basque** language is spoken. We feel actively involved in promoting the language, participating in both **Korrika** and **Euskaraldia**, initiatives that are fundamental to the promotion and normalisation of our language.

We also believe that well-being and internal cohesion are fundamental to a healthy organisation. That is why we organise annual activities that have become an unmissable event for our team: **LTKONKIS** – a fun day where we overcome challenges as a team and have fun like children – as well as our traditional **Christmas meals** and the celebration of **Santa Eufemi**, with a mountain route and paella included. In addition, we have launched **Pilates** classes, available to all staff, thus promoting self-care and physical and mental health.

All these actions are part of our daily commitment to a fairer, more equal, inclusive and healthy environment.



Governing Board:

President:

Iosu Ogiza Gerediaga
Fundación MONDRAGON

Vice-President:

Mikel Isasi Iriondo
Leartiker

Secretary:

Naiara Andonegi Mendizabal
Leartiker

Board Members:

Asier De La Torre
EIKA

Miren Gallastegi
Cikautxo

Itxasne Beaskoetxea
Lea Artibai Ikastetxea

Executive Board:

Managing Director:

Jon Anakabe Onaindia

Borja Angulo Zubizarreta

Alberto Calderero Gutiérrez

Jose Javier Egurrola Beitia

Pablo Larreategi Makatzaga

Iratxe Olazaran De La Peña

Malen Sarasua Aranberri

Ane Miren Zaldúa Huici

Collaborating Partners:

Ausolan

Batz

Cikautxo

Eika

Eroski

Kautenik

Kide

Maier

Fundación Mondragon

Shareholders:

Lea Artibai Ikastetxea



MEMBER OF BASQUE RESEARCH
& TECHNOLOGY ALLIANCE

#TechnologyforPeople

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