

Leitat's Value Proposition for the ICTürkiye2025

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LEITAT

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Table of Content

1. Leitat – Acondicionamento Terrasense 3

2. Leitat’s approach towards development cooperation 4

3. Relevant projects 5

1. Leitat – Acondicionamiento Terrasense



Leitat – Acondicionamiento Terrasense is a non-profit association with its own legal status and assets, established in 1906. It is also a **technological centre** of excellence that operates in an open **innovation environment** that connects teams, projects and clients to deliver disruptive solutions. We research and innovate to transform **emerging technological challenges into solutions** of high social, environmental, economic and industrial value.

At Leitat, we work with the conviction that technological innovation will be key to achieving a sustainable and equitable model of progress. For several years we have adhered to the United Nations Global Compact, and faithful to our commitment to society, in 2021, Leitat created the **Sustainable Development Goals (SDGs) Office** with the aim of measuring and growing the impact of our contribution to the SDGs. In this regards, technological development implies the creation of new production and business models that must be sustainable and aligned with these challenges.

Leitat is formed by a multidisciplinary team of more than **400 professionals** with experience in various areas of knowledge and specialising in **technology transfer**. Even though working intensively in Spain, where Leitat has set up 7 offices in addition to its headquarters; we spearhead and actively participate in numerous international partnerships projects and networks, both in Europe and in other geographical areas with convergent interests. As a result, Leitat is the **3rd RTO** by return in H2020 programme in Spain and plays an important role in some LATAM countries, as Chile; where Leitat established and operates the Center of Excellence in Nanotechnology. This wide and extensive experience has linked an image of **professionalism, quality and efficiency** with Leitat .

2. Leitat's approach towards development cooperation

We specialize in technology transfer, applied R&D, and fostering industrial competitiveness, with a strong track record in European and international projects, including Horizon Europe, EIC, and public-private partnerships.

Through strategic collaborations with governments, international financial institutions (IFIs), and private sector actors, Leitat plays a critical role in translating R&D into impact-driven, sustainable solutions in fields such as:

- **Health and Biotechnology:** Development of advanced diagnostic and therapeutic tools (e.g., theranostics, personalized medicine).
- **Sustainable Manufacturing & Circular Economy:** Promoting resource efficiency, green technologies, and climate-aligned industrial transitions.
- **Digital Transformation & Emerging Technologies:** Artificial intelligence, data-driven innovation, and Industry 4.0 applications for sustainable development.

Leitat has a young but promising career in the consultancy and development cooperation sector. Since 2008, it has become an important player in the international and European R&D sector, participating in more than **126 projects** and coordinating 26 of them, becoming the **3rd RTO in Spain** by return under the H2020 program.

More recently, the mix of technical and consultancy knowledge Leitat holds, has led the Catalan technological centre to explore new areas where to expand and collaborate in the generation of technological knowledge. Focusing its action at developing and bolstering the **public and private institutions**, through **innovation**, in the fields of **digital industry, circular economy & decarbonization and health & biomedicine** with a clear focus on sustainable development.

In this regard, Leitat has made itself a name by bidding and implementing several programs (tenders, grants and FWC) for different international donors such as the **European Commission** (EC) and its different **DGs** and institutions (DG INTPA, DEVCO, SANTE), the **World Bank** (WB), the **European Investment Bank** (EIB), the **African Development Bank** (AfDB), the **Asian Development Bank** (ADB) and the **Inter-American Development Bank** (IDB).

3. Relevant projects

Leitat is committed to advancing sustainable innovation and financing mechanisms that drive socio-economic progress. We believe that our participation in the 4th International Conference on Financing for Development will foster valuable dialogue and partnerships to accelerate global development objectives.

AnkaTheraHub - Ankara Innovative Theragnostic Development Center

The **AnkaTheraHub**, or the **Innovative Development Center for Theranostic Media in Ankara**, is the first and only technology centre in

Turkey that provides accredited and advanced services to both the healthcare industry and researchers. This centre brings together cutting-edge technologies that enable the production,

testing, and analysis of diagnostic and therapeutic products in the fields of cancer and infectious diseases.

This project was created to address the growing need to integrate diagnosis and therapy in healthcare, an approach known as “**theragnostic**.” The primary goal of AnkaTheraHub is to drive innovation in the field of theragnostic by combining therapeutic and diagnostic aspects to optimize patient treatment and enable **personalized, timely, and precise medicine**. Additionally, the centre aims to bring together essential technologies and human resources within a single infrastructure, allowing for:

- **Resource Optimization**, consolidating advanced technologies and highly qualified personnel within one infrastructure, promoting resource-sharing among healthcare industry organizations.
- **Support for Startups and SMEs**, facilitating the innovation process from idea conception to the realization of usable products, enhancing R&D capacity to produce high-quality and cost-effective theragnostic products.

Client/Donor: European Commission and the Ministry of Industry in Türkiye

Dates: 06/2023 – on going

Country: Turquia

Project Budget: 2.723.241 EUR

Leitat's Budget: 127.044 EUR

- **Assistance for the Pharmaceutical Industry**, providing valuable support in clinical research planning and navigating regulatory approval processes with national and international authorities such as the **EMA, FDA, and TİTCK**.
- **Support for Researchers**, offering advanced research technologies to facilitate the development, testing, and analysis of diagnostic and therapeutic products in the fields of cancer and infectious diseases.

The **AnkaTheraHub** aligns with the UN Financing for Development (FfD) Principles in several keyways, particularly in areas related to **sustainable investment in innovation, healthcare, and economic development**:

1. **Domestic and International Private Finance**, the hub supports **startups and SMEs**, encouraging private investment in healthcare innovation. By creating a **centralized R&D ecosystem**, it fosters **public-private partnerships** that can attract venture capital and corporate funding.
2. **Public Finance and Development Cooperation**, if publicly funded or co-financed through **development cooperation**, AnkaTheraHub contributes to **health sector capacity-building**, a key priority under international development frameworks.
3. **Domestic Resource Mobilization** by consolidating research infrastructure, the hub **optimizes resources** and reduces duplication in healthcare innovation efforts.
4. **Trade, Science, Technology, and Innovation (STI) for Development**, the hub directly contributes to **STI for Development**, a core pillar of the FfD agenda, by fostering research and commercial applications in theragnostic.
5. **Systemic Issues and Capacity Building**, by providing **state-of-the-art research and testing capabilities**, AnkaTheraHub enhances **scientific and technological capacity** in Turkey. Its support for startups and SMEs contributes to the development of a **knowledge-based economy**, reducing dependence on foreign healthcare technologies.

TAT-Technical Assistance for Turkey in Horizon Europe

The **TAT Horizon Europe** project, is a 42-month strategic program as integration of Turkish Research Area (TARAL) into European Research Area (ERA) by increased participation in Framework Programmes is a critical pillar supporting innovation and technology development in Türkiye.

Under this context and further to Türkiye's previous participation in EU programmes, there is still need to increase awareness, explore funding mechanisms and increase project applications in EU programmes among potential beneficiaries.

Within the scope of the project, Türkiye's performance in H2020 will be analysed through current situation assessment and roadmaps will be developed to increase participation in Horizon Europe. According to results of assessment and roadmaps, capacity development trainings will be provided for the target groups, which will play an active role for the improvement of the R&D sector and ecosystem in Türkiye. Also, several knowledge diffusion and networking activities will be organized to increase awareness on Horizon Europe.

The project is aligned with UN FfD Principles in the following ways:

1. **Domestic Resource Mobilization**, as it enhances Türkiye's participation in **Horizon Europe**, boosting the R&D sector through capacity development and roadmap creation.
2. **International Cooperation**, because this project strengthens ties with Europe, facilitating knowledge exchange and access to global funding and R&D opportunities.
3. **Inclusive Growth**, by providing training and building skills for diverse stakeholders, the project ensures broad participation in innovation, promoting inclusive development.
4. **Technology and Knowledge Transfer**, encouraging technology transfer and collaboration, supporting Türkiye's shift to a knowledge-driven economy.
5. **Addressing Inequalities**, through training and networking, the project creates equitable access to international opportunities, reducing development gaps.
6. **Private Sector Mobilization**, indirectly attracts private sector investment by enhancing Türkiye's global R&D access and capabilities.

Client/Donor: European Commission, Ministry of Industry and Technology - DG for EU and Foreign Affairs (MoIT)

Dates: 16/09/2024 – on going

Country: Turkey

Project Budget: 5,058,500 EUR

Leitat's Budget: 218,500 EUR

LEBANON INNOVATE - Building an enabling ecosystem for Intellectual Property and Knowledge Transfer in Lebanon

The **LEBANON INNOVATE**, is a 42-month program funded by the European Union to revitalize the Lebanese entrepreneurial ecosystem and the productive sectors. The program, based on an innovation roadmap, fosters innovation through supporting Intellectual Property (IP) and knowledge transfer allowing the country to become a knowledge-driven digital nation at the front end of innovation.

Client/Donor: European Commission

Dates: 01/03/2023 – on going

Country: Lebanon

Project Budget: 3,157,894 EUR

Leitat's Budget: 208,451 EUR

The program aims at supporting the transformation of innovations and technological findings emerging from universities into market-ready products and commercial ventures to boost the Lebanese productive sectors.

The overall objective is to empower an interconnected Innovation Ecosystem in Lebanon to enhance economic growth and foster a sustainable and inclusive socio-economic recovery and employment. In this regard, the specific objectives of the program that will lead to this overall objective are the following:

- Improving competitiveness of the industrial sector targeting agrifood, healthcare, ICT, and the creative and cultural sectors;
- Capacitating stakeholders to create and share knowledge, and commercialize technologies;
- Strengthening partnerships between industry and academia to promote innovation and knowledge transfer;
- Establishing linkages and exchange with European countries and diaspora networks to access international markets.

As a result of the development of this program, Lebanese society will benefit from the socio-economic growth induced by the entire ecosystem, with advancements in the priority sectors directly

impacting the general public, besides job creation and a workforce with enhanced skills in specific industry and innovation sectors.



The **Lebanon Innovate** project aligns with the following **UN FfD Principles**, which emphasize **sustainable development, inclusivity, innovation, and partnerships**. Here's how it connects with these principles:

1. **Domestic Resource Mobilization**, promoting innovation and knowledge transfer, the program helps Lebanon harness local resources, especially from universities, to drive economic growth.
2. **Private Sector Mobilization**, fostering partnerships between industry and academia, it stimulates private sector investment in innovation.
3. **International Cooperation**, by the establishment of partnerships with European countries and diaspora networks, facilitating access to international markets and expertise.
4. **Inclusive Growth**, supporting the socio-economic recovery through job creation, skill development, and enhancing competitiveness in key sectors like agrifood, healthcare, and ICT, ensuring broad, inclusive benefits.
5. **Technology and Knowledge Transfer**, by empowering stakeholders to commercialize technologies, supporting Lebanon's transition to a knowledge-driven economy.
6. **Addressing Inequalities**, as the program targets key sectors that provide opportunities for marginalized groups, fostering a more equitable society.

BATRAW - Recycling Of End Of Life Battery Packs For Domestic Raw Material Supply

The BATRAW project, funded by the European Union (€9.8 million), brings together a consortium of 17 partners from 7 different countries, led by Leitat Technological Center. The main objective of BATRAW is to develop and demonstrate two innovative pilot systems:

Client/Donor: European Commission and Horizon Innovation Actions

Dates: 01/05/2022 – on going

Country: EU27

Project Budget: 10,236,986 EUR

Leitat Budget: 1,174,133.70 EUR

- Sustainable recycling and end-of-life management of electric vehicle (EV) batteries.
- Sustainable treatment of batteries, Critical Raw Materials (CRMs), and Battery Raw Materials (RMs).

The outcomes of BATRAW are of strategic importance given the exponential growth projected for the EU battery market and the need to reduce the EU's dependence on CRM imports. The project will enhance sustainability and circularity in battery products and raw materials through the development of:

- New procedures for battery repair and reuse, enabling faster diagnostics and conversion of EV battery packs into second-life batteries.
- Eco-design guidelines for battery manufacturing.
- A blockchain-based platform for tracking raw materials and ensuring supply chain transparency (Battery Passport).
- Guidelines for the safe transportation and handling of battery waste.

BATRAW aims to maximize market acceptance and impact through an ambitious R&D&I plan, which includes circular business models, innovation workshops, EU platform dissemination, policy reports, and strategies to reach markets and stakeholders.

The BATRAW project aligns with the UN FfD principles in multiple ways, particularly in the areas of sustainable industrialization, resource efficiency, innovation financing, and public-private partnerships (PPPs). Here's how it connects to the key pillars of the Addis Ababa Action Agenda (AAAA) and the broader FfD framework:

1. **Mobilizing Public and Private Finance for Sustainable Innovation.** By providing an example of successful EU-funded investment in circular economy solutions, demonstrating how public financing can drive private sector innovation and long-term investment in sustainable technologies.
2. **De-risking innovation through R&D funding:** By supporting high-impact pilot projects, BATRAW encourages private-sector engagement in battery recycling and **low-carbon industrial models**, which would otherwise face high entry barriers due to capital intensity and technological complexity.
3. **Strengthening Science, Technology, and Innovation (STI) for Sustainable Development:** by enhancing technological capabilities for critical industries: reducing Europe's reliance on external supply chains for Critical Raw Materials (CRMs). At the same time, the project promotes knowledge transfer and collaboration between research centers, industry leaders, and SMEs, accelerating the transition to a **low-carbon, resource-efficient economy**.
4. **Aligning with the Climate and Sustainability Finance Agenda:** By Facilitating the EU's Green Deal and net-zero goals and mitigating environmental and social risks: By promoting responsible material sourcing and waste handling, BATRAW contributes to sustainable resource management, ensuring that financing supports environmental and social governance (ESG) objectives.
5. **Promoting Public-Private Partnerships (PPPs) for Sustainable Development:** BATRAW fosters cross-sector collaboration: 17 partners from 7 countries include technology developers, recyclers, manufacturers, and policymakers, showcasing multi-stakeholder cooperation in financing sustainable industries.

CEN Chile - Establishment and operation of the Center of Excellence in Nanotechnology in Chile

LEITAT supports the Government of Chile developing the Chilean Private Sector by establishing a Centre of Excellence in Chile, the “**Centro de Excelencia en Nanotecnología**”. The project is funded by the Chilean Government, represented by CORFO, the Chilean economic development agency.

Client/Donor: CORFO

Dates: 01/02/2014 – 27/11/2023

Country: EU27

Project Budget: 23.636.049,59 EUR

Leitat Budget (2021 to 2023): 4.154.736,28 EUR

The mission of the Center established by LEITAT is to collaborate with **Chilean Public Institution, private companies and other entities (RTOs) in Chile to create environmental, economic, social and sustainable value through creative and innovative Research and Development (R&D) projects** and technological processes focused on nanotechnologies and life sciences. Together with the design, creation and operation of the Centre, the contract aims to execute defined projects in life sciences, covering **the four circular economy driving sectors** of the Chilean economy: Water and Waste Treatment; Aquaculture sector; Food sector and Forestry sector.

Leitat provided their inputs to set up:

➤ A.3.1 **Commercial strategy definition and follow-up.**

An annual commercial plan is developed based on a detailed analysis on both national and international funding opportunities and also focused on private commercial activity. This commercial plan results in an annual budget in terms of sales and income which is followed through the year by the involved departments.

➤ A.3.2 **R&D strategy definition and follow-up.**

An exhaustive analysis on industrial technological trends is developed at the end of each year. This analysis is the input to develop the R&D strategy which define the technological lines to focus during the year in order adapt the strategy to the green industrial needs.

The Centro de Excelencia en Nanotecnología is a model initiative for sustainable financing in R&D, aligning with key FfD principles by aligning technological development with circular economy goals, this initiative strengthens Chile's economic resilience while contributing to global sustainable development efforts. Specifically, it connects to key pillars of the Addis Ababa Action Agenda (AAAA) and the broader FfD framework:

1. **Strengthening Domestic Resource Mobilization and Private Sector Development**, as a project financed by CORFO (Chile's Economic Development Agency), demonstrates how government funding can catalyse the development of private-sector innovation ecosystems. It incentivises public-private collaboration for economic growth.
2. **Promoting Science, Technology, and Innovation (STI) for Sustainable Development**, the Centre fosters the development and commercialization of advanced technologies, strengthening Chile's position in high-value-added industries. In addition, the Centre adapts its annual R&D strategy to emerging industrial and environmental trends, ensuring that financing supports technological advancements that drive sustainable development.
3. **Facilitating International Cooperation and Blended Financing Mechanisms**, by implementing a commercial plan, the Centre ensures that public investment translates into self-sustaining R&D activities and industry partnerships. The Centre fosters cooperation between Chilean institutions, international RTOs, and private companies, ensuring knowledge exchange and co-financing of projects aligned with sustainable development goals (SDGs).
4. **Advancing Environmental Sustainability and Climate Finance**, the Centre develops sustainable technologies to reduce industrial waste, improve water reuse, and promote bio-based materials, aligning with global climate finance priorities.

ADELANTE 2- Sustainable transformation for the competitiveness of MSMEs

The **ADELANTE-2** project, sought the promotion of digital transformation tools for product development and process improvement, and transfer knowledge and methodological tools to strengthen both innovation culture and continuous improvement. The following are the approach areas:

- Digital transformation
- Ecological transition and circular economy
- Innovation in culture in organizations
- Continuous improvement process

Client/Donor: European Commission, Dominican Ministry of Industry, Trade and SMEs

Dates: 14/08/2023 – 09/05/2024

Country: Dominican Republic

Project Budget: 199,706 EUR

Leitat's Budget: 50,000 EUR

In the global context working on digital transition has become



essential for industries, as the way businesses operate and engage with their customers has transformed. To remain competitive, they must leverage the opportunities provided by technology, such as additive manufacturing. Additionally, adopting practices based on the circular economy is crucial to address environmental challenges, reduce resource waste, and promote long-term sustainability. Optimizing and modernizing production processes is vital for industries, as it helps them increase efficiency, reduce costs, and improve the quality of products and services. This not only allows them to compete more effectively but also drives innovation and the ability to adapt to market changes. Finally, cultivating a culture of innovation fosters creativity, entrepreneurship, and adaptability, enabling both public and private institutions to tackle market changes and anticipate emerging trends. In summary, these actions are essential for the success and sustainable growth of institutions and companies in the current environment.

The project fosters sustainability, innovation, and economic resilience, aligning with UN FFD principles by promoting technology adoption, environmental responsibility, and inclusive development:

1. **Domestic Resource Mobilization**, Enhancing **digital transformation** and **process improvement**, boosting productivity and innovation for sustainable economic growth.
2. **International Cooperation**, because facilitates **knowledge transfer** and **global collaboration**, strengthening innovation ecosystems.
3. **Inclusive and Sustainable Growth**, as it supported the **ecological transition** and **circular economy**, promoting sustainability and long-term resilience.
4. **Technology and Knowledge Transfer**, provide equips industries with **digital tools** and **innovation culture**, fostering economic development through technological advancements.
5. **Private Sector Mobilization**, as it encourages **continuous improvement**, increasing efficiency and competitiveness while attracting investment in sustainable innovation.