



2022



LIVING LAB

YEARBOOK - 2022

GREEK ICT LL @ ICCS



The Greek ICT Living Lab in DVC at Glance

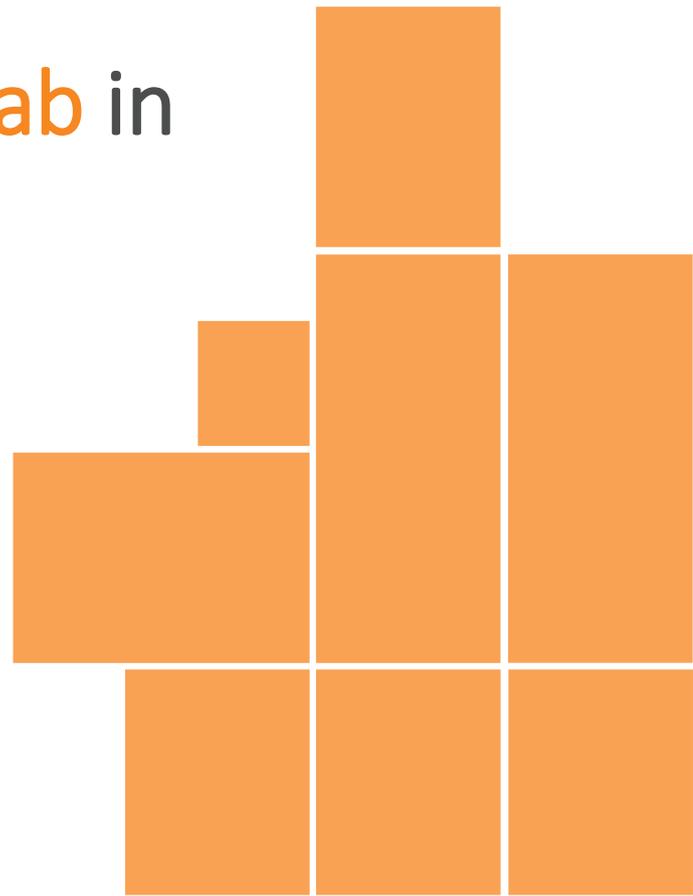
The **Dairy Value Chain (DVC)** confronts joint challenges at Mediterranean cross-border level: the growing market demand for high quality and safety and the industrialization of farming and globalization. In this context, cross border cooperation is needed to create the critical mass of research results marketable by spin-offs to cover the entire DVC.

The **TRANSDAIRY project** intends to enhance the technological transfer among research, industry and SMEs in the fields of **Key Enabling Technologies (KET)** applied to the DVC. To do so, 8 cross-border Living Labs have been established (including the Greek ICT LL), to increase institutional capacity through specialized trainings, provide a market analysis for the new products and services enabled by KETS.

The **Greek ICT Living Lab** is a **collaborative innovation environment** where stakeholders from the dairy industry, technology developers, researchers, and consumers come together to co-create and test solutions aimed at **enhancing the efficiency, sustainability, and competitiveness of the Greek dairy sector**. The ICT living lab is coordinated by the Institute of Communication and Computer Systems (ICCS) and it leverages **Information and Communication Technologies (ICT)** such as IoT sensors, 3d printing, data analytics, and digital platforms to address key challenges faced by dairy farmers, processors, and distributors. The Greek ICT Living Lab will conduct a **diverse range of activities to foster innovation and collaboration** within the dairy sector.



This includes organizing **focus groups** with stakeholders to identify key challenges and opportunities, as well as to gather feedback on ICT solutions being developed. **Entrepreneurship training programs** will be offered to empower farmers and dairy professionals with the skills and knowledge needed to leverage technology effectively and explore new business models. **Demonstration events** will showcase cutting-edge ICT solutions in action, allowing participants to see firsthand how these technologies can improve productivity, sustainability, and quality within the dairy sector. **Brokerage events** will provide a platform for networking and partnership building between technology developers, researchers, and industry players, facilitating the exchange of ideas and resources to drive innovation forward. **Open days** will be organized to engage the broader community, including consumers and policymakers, to raise awareness about the potential of ICT in transforming the Greek dairy industry and to gather input on societal needs and preferences.



Focus Groups

The **3rd Focus Group Session** was co-organized on July 26th, 2022, by the two Greek partners of the project (Research University Institute of Communication & Computer Systems – ICCS, Agricultural University of Athens - AUA) and their Living Labs. The meeting was held online due to COVID-19.

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Selected
Stakeholders



Demonstrators Devices

In 2022 the Greek ICT Living Lab co-developed **four prototype demonstrator devices** to be used for specific use cases in the DVC. The 4 devices were discussed and presented in the Entrepreneurship Training Programs at laboratory environment. In 2023 a demo day will be organized to present the technologies.



ANIMAL
HOSTING
ENVIRONMENTAL
CONDITIONS



ANIMAL
PASTURE
CONDITIONS
MONITORING



INLINE MILK
TURBIDITY
MONITORING



INLINE MILK
PH & TEMPERATURE
MONITORING

Brokerage Event - Tunisia

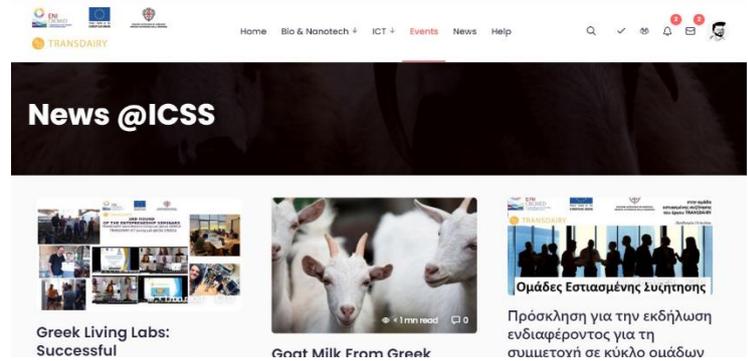
The Greek ICT Living Lab participated in Brokerage event held in Tunisia on **14-15 December 2022**. Dr. Nikos Stefanakis and Dr. Anastasios Harisis represented the GR ICT LL discussing business ideas, and explore new areas of collaboration of the Greek ecosystem with other the players invited through matchmaking roundtables and B2B meetings.



Platform Operation

The Greek ICT Living Lab was responsible for the operation of the relevant session in the platform (www.transdairy.net).

The session was fed with the event, news, material, and around 40 members were engaged to the platform creating a valuable ICT community in the Greek DVC



Brokering services operation

- ✓ Living Lab front offices operation
- ✓ Precompetitive platform utilization
- ✓ Coaching of initiatives for solutions development.
- ✓ Match-making Request - Offer
- ✓ Periodical round tables (within the Focus Groups & Entrepreneurship Sessions)

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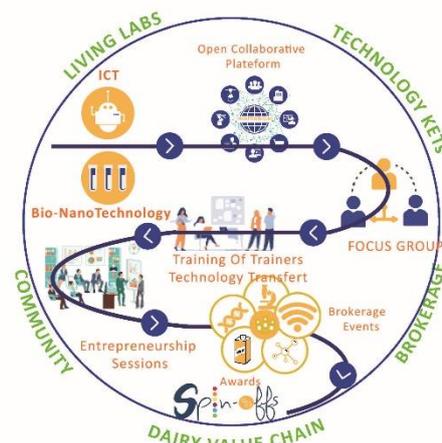
Memorandum of Understanding Agreements were signed

WHAT?

The Dairy Value Chain (DVC) confronts joint challenges at Mediterranean cross-border level: the growing market demand for high quality and safety and the industrialization of farming and globalization. In this context, cross border cooperation is needed to create the critical mass of research results marketable by spin-offs to cover the entire DVC.

TRANSDAIRY aims to enhance the Technological Transfer among research, industry and SMEs in the fields of Key Enabling Technologies (KETs) applied to the Dairy Value Chain, by the creation of Living Labs, the increase of institutional capacities, and the development of market intelligence for sustainability by creation of Cross Border Spin-offs in Italy, Greece, Lebanon and Tunisia.

HOW?



Who will benefit?

- Government Research Agencies and Universities
- The Dairy Value chain actors: farmers, transporters, distributors, etc.
- Women and younger people working in the sector, seeking new opportunities and jobs
- Research entities in ICT and Bio/Nano Technologies
- Dairy products consumers



EXPECTED ACHIEVEMENTS

- 8 Living Labs set up: 4 in Biotechnologies and 4 in ICT
- Open Collaborative Platforms with 8 sections (one for each living lab) launched for pre-competitive analysis of products and services. It includes Forums and Wikis as open collaborative spaces for the target beneficiaries of the project.
- 8 Training courses for Human Resources of Public Authorities and Technology Transfer Offices
- 24 Formative sessions on Entrepreneurship KETs & SMEs
- 16 vouchers for cross border spin-off establishment
- 12 vouchers for co-development of patents
- 28 vouchers for co-publication on KETs for the DVC
- 35 Vouchers for demonstration of research results