



TRANSDAIRY



LIVINGLAB YEARBOOK

September 1, 2020 - August 31, 2021

UCLV

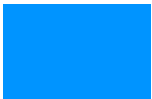
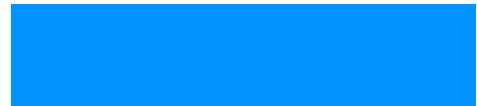
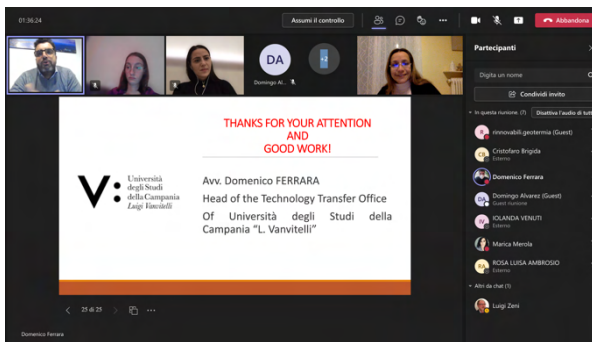




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PARTNER PROFILE

Università Vanvitelli, LB

Università Vanvitelli ICT Living Lab

Vanvitelli's research profile meets perfectly our ICT TRANSDAIRY'S Living Lab, since for years, we have developed three main research lines in our University Lab:

Distributed optical fiber sensors line is focused on the development of distributed strain and temperature sensors for structural and environmental monitoring. Distributed acoustic sensors are developed as well for safety and security application.

Optical bio-chemical sensors line deals with optical sensors to detect specific substances in several real solutions, exploiting plastic optical fiber intrinsic and extrinsic sensors, combined with different kinds of specific receptors, such as molecularly imprinted polymers (MIPs), antibodies, aptamers, and chemical receptors.

Nano-sensors line develops nano-plasmonic sensors with high sensitivity in a minimal sensible area, monitored exploiting innovative and low-cost experimental configurations. Moreover, about these optical nano-sensors, the proposed nanostructures can be realized by exploiting processes typical of microelectronic, so leading to economic advantages of a large-scale production; on the other side, also the quantity of receptor, that is obviously related to the sensible area, affects the total cost of the biochemical sensors.

All these research lines are perfectly in line with the Dairy value Chain needs

**The Engineering Department of Vanvitelli University is based in the city of Aversa,
Campania Region.**





VANVITELLI UNIVERSITY LIST OF ACTIVITIES

During the period 31 August 2020-31 August 2021 , TANSDAIRY's coordinator, Vanvitelli University implemented the following activities:

- Kick-off meeting
- National publication of TANSDAIRY's launch with the support of the Italian news agency ANSA.
- Seventeen technical meetings
- Two Steering Committee Meetings being the first one held by Univanvitelli in person at its venue in Aversa
- Monthly online meetings with our JTS
- Submission of both, the first progress and the first interim report
- Coordination of the partners in order to prepare a minor amendment
- Set-up of our ICT Living Lab
- Support to our partners for the launch of their living labs
- Coordination with both WP2 (ESIM) and WP3 (AUA) leaders in order to implement communication, living labs establishment.
- Scouting in Campania Region for offer and demand databases
- Participation in the technology fair "Innovation Village"
- Three focus groups
- Preparation of our first entrepreneurship sessions cycle

PHOTOS

Transdairy: EU project to improve milk production in Med

ANSA - TUNIS, OCTOBER 21 - The project TRANSDAIRY (TRANSdairy Key Enabling Technologies and Living Labs for the DAIRY value chain, funded by the European Union as part of the program ERIC CBC Med, will be launched on October 23 in collaboration with the aim of improving the sector across the Mediterranean through the creation of transdairy living labs and specialized start-ups.

The project, which lasts 30 months with a total budget of 3.8 million euros, 80% of which is funded by the EU, will create living labs for the milk sector. The living labs, mostly created by young and women, will support the creation of new companies and economic activities for the dairy sector from products to processes. The project will provide financial support for the creation of start-ups, the registration of patents, positions, training courses and workshops in total of eight living labs coordinated across the Mediterranean (Italy, Lebanon, Greece and Tunisia).

Transdairy, coordinated by the University of Campania "Luigi Vanvitelli", is aimed at boosting technological transfer between research, industry and small and medium-sized firms in the sectors of Key Enabling Technologies applied to the dairy production chain, through the creation of living labs, the increase of entrepreneurial capability and the development of master-entrepreneurs for the sustainability and coordination of startups.

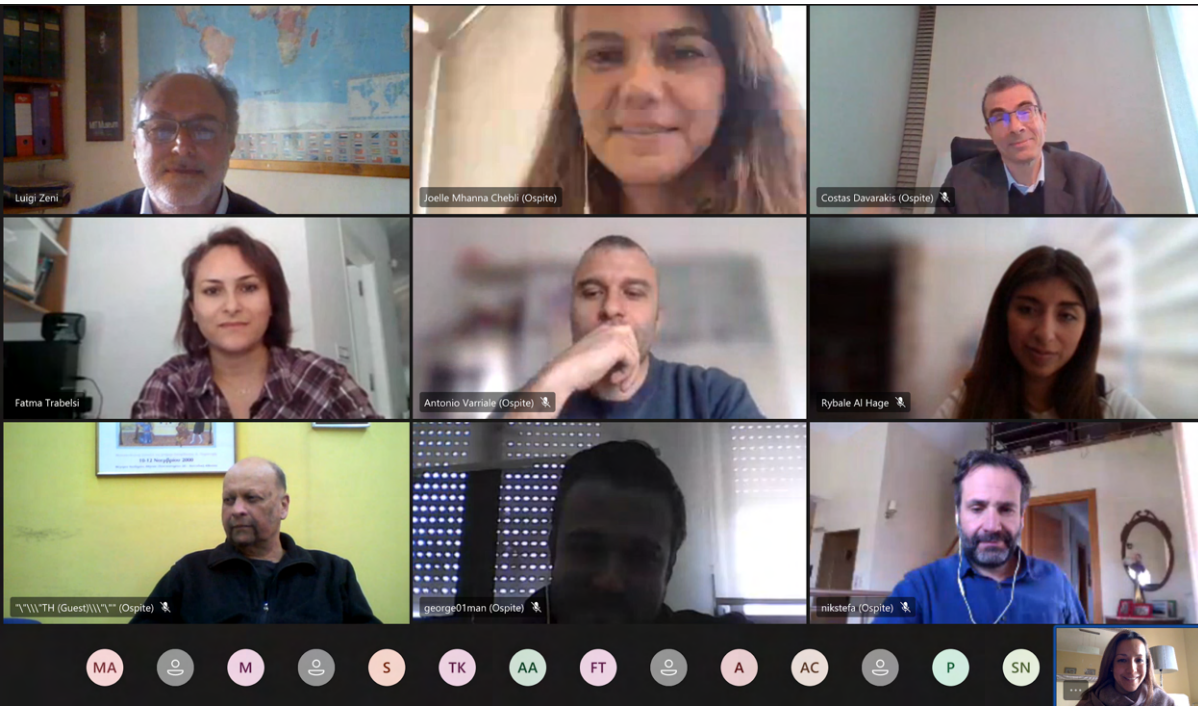
The project in particular is presented in a context that registered protests in Tunisia this summer by Tunisian farmers.

The protests ended with the concession by the agriculture ministry of an increase in milk prices. Currently, the goal is to create the sector programs, at least in Tunisia, to increase productivity in quantity and quality. This is to give more income to farmers. The project intends to contribute to this. Some start-ups applied to participate in the living labs and project sites are engaged in cooperation and/or to improve the conditions of farms in Tunisia, with actions both co-funded by Italian Cooperation and also in the case, funded by the European Union, explained by ANSA, Giuliano Tagliaro, instead in various cooperation projects in Tunisia.

The partnership includes research institutes, government organizations and small and medium-sized companies operating, along with the University of Campania "Luigi Vanvitelli", the National Research Council Institute of Science and Innovation, Kottar 46, for Greece the university of agriculture in Athens and the Institute of communications and computer systems for Tunisia the Agency for the promotion of agricultural investments, the Agency for the promotion of industry and innovation and the engineering school of Sidi El Bab for Lebanon. The Institute for industrial research, Sapienza Foundation (ANSAI), ANSAI.

Region	Country	Address	Phone	Address Fax
Albania	Albania	Prishtine	355 69 2211111	
Armenia	Armenia	Yerevan	374 10 524343434	
Austria	Austria	Vienna	43 1 43338	
Bahrain	Bahrain	Manama	973 3932 2222	
Belgium	Belgium	Brussels	32 2 27941111	
Bulgaria	Bulgaria	Sofia	359 2 8100000	
Canada	Canada	Ottawa	1 613 993 9111	
China	China	Beijing	86 10 6512 1111	
Cyprus	Cyprus	Nicosia	357 22 4242424	
Czechia	Czechia	Prague	42 2 24242424	
Denmark	Denmark	Copenhagen	45 33 3333333	
Egypt	Egypt	Cairo	202 2333 3333	
Estonia	Estonia	Tallinn	37 6 6666666	
France	France	Paris	33 1 1 23 23 23	
Germany	Germany	Berlin	49 30 30 303030	
Greece	Greece	Athens	30 21 2121212	
India	India	New Delhi	91 11 2323 2323	
Indonesia	Indonesia	Jakarta	62 21 2121 2121	
Italy	Italy	Rome	39 6 4783 4783	
Japan	Japan	Tokyo	81 3 3 3333 3333	
Lebanon	Lebanon	Beirut	961 1 7777 7777	
Malaysia	Malaysia	Kuala Lumpur	60 3 2323 2323	
Mexico	Mexico	Mexico City	52 55 55 5555 5555	
Netherlands	Netherlands	Amsterdam	31 20 20 202020	
Norway	Norway	Oslo	47 22 2222 2222	
Poland	Poland	Warsaw	48 22 2222 2222	
Portugal	Portugal	Lisbon	351 21 2121 2121	
Romania	Romania	Bucharest	40 21 2121 2121	
Russia	Russia	Moscow	7 495 495 495495	
Saudi Arabia	Saudi Arabia	Riyadh	966 11 1111 1111	
Spain	Spain	Madrid	34 91 91 919191	
Sweden	Sweden	Stockholm	46 8 8 8888 8888	
Sri Lanka	Sri Lanka	Columbo	94 11 1111 1111	
Taiwan	Taiwan	Taipei	886 2 2 2222 2222	
Tanzania	Tanzania	Dar es Salaam	255 22 2222 2222	
Turkey	Turkey	Ankara	90 312 312 312312	
Ukraine	Ukraine	Kyiv	38 44 44 4444 4444	
USA	USA	New York	1 212 212 212212	
Vietnam	Vietnam	Hanoi	84 24 2424 2424	
Yemen	Yemen	Sana'a	967 11 1111 1111	

Publication at national level of TRANSDAIRY's launch



Technical meetings



06

Interview at technology fair

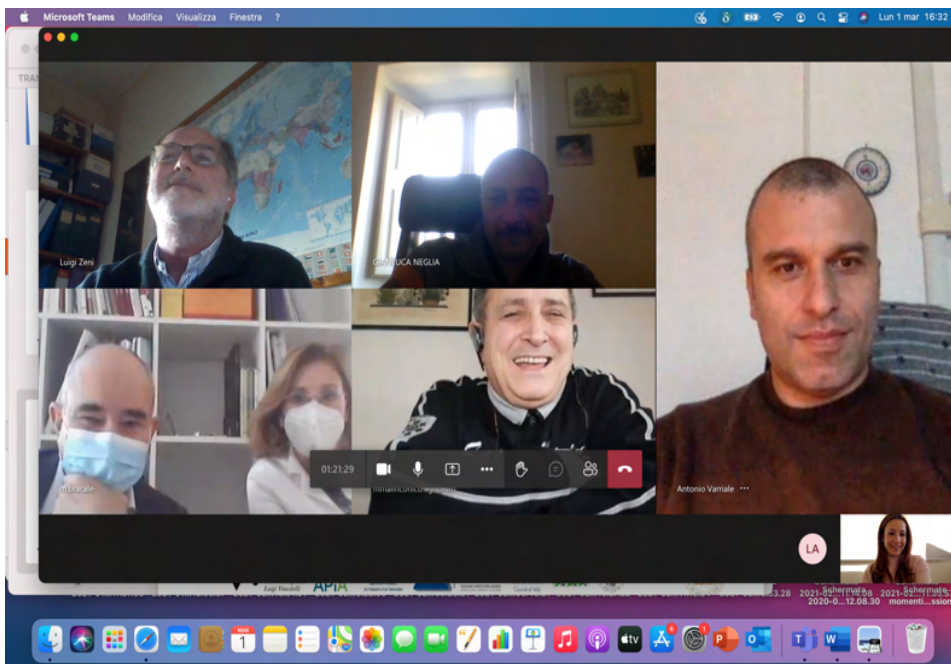
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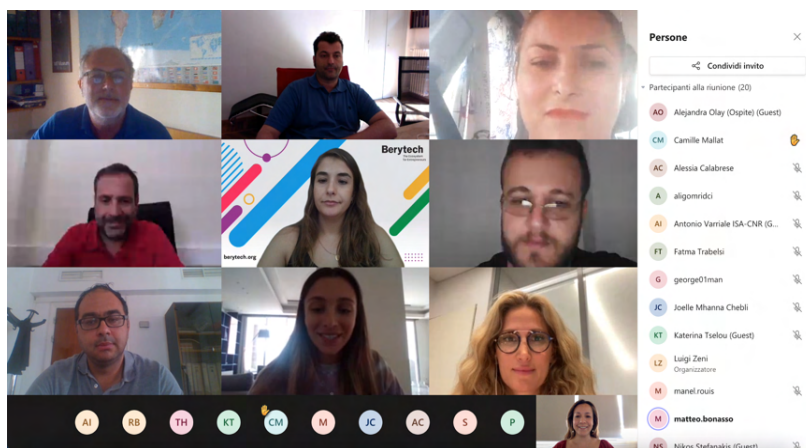
evento ideato da **K for B** promosso da **Regione Campania** **Università del Sud** co-organizzato con **Sviluppo Campania** **ENEA** **TEC UP**

info@innovationvillage.it [f InnovationVillageK4B](https://www.facebook.com/InnovationVillageK4B) [in](https://www.instagram.com/IV2021) [in](https://www.linkedin.com/company/IV2021) [yt](https://www.youtube.com/channel/UC...) [#IV2021](https://twitter.com/IV2021)

Participation in Innovation Village, May 2021



First focus group



Technical meeting





UNIVANVITELLI's Living Lab set up





Vanvitelli's Living Lab Our banner



TRANSDAIRY

'TRANSborder Key Enabling Technologies
& Living Labs for the DAIRY value chain'



3.9 M €
Total Budget

3.5 M €
EU contribution

10% Project
co-financing

Start Date
01 September 2020

Duration
30 Months



Disclaimer
This project has been funded with the support of the ENI CBC MED Programme of the European Union. This communication reflects the views only of the authors, and neither the European Commission nor the ENI CBC MED programme can be held responsible for any use which may be made of the information contained therein.



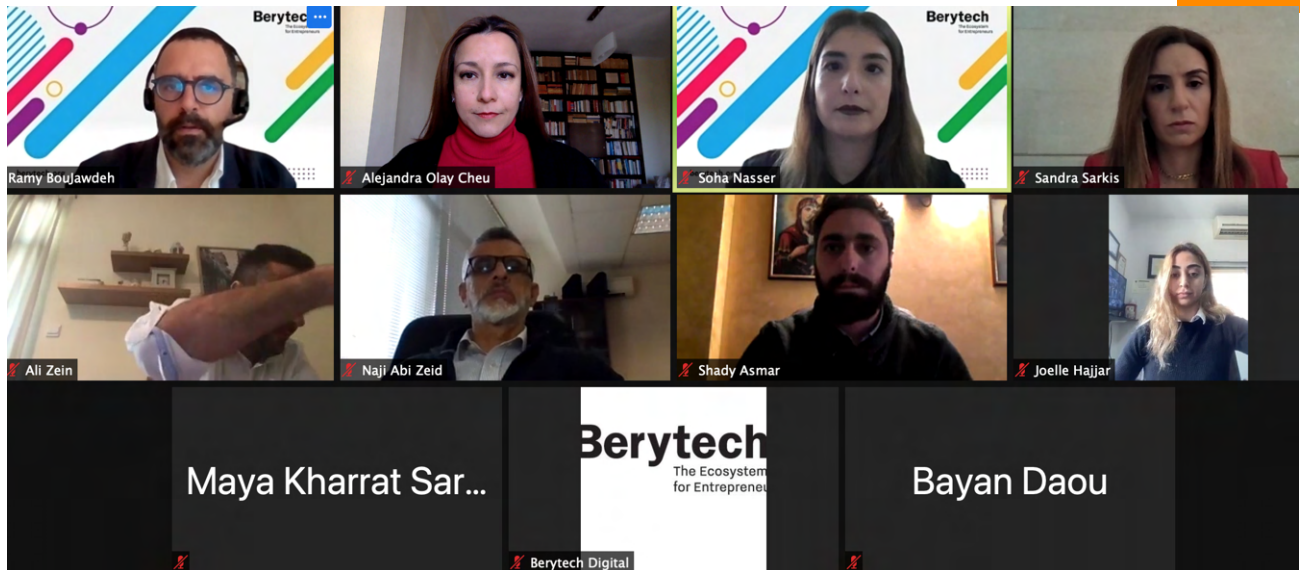


Living lab equipment



Living lab equipment





Supporting our partners at their Living Labs launch

TRANSDAIRY
General Identified Challenges

- Dependence on imported products
- Decrease in the milk production and supply
- Animal health problems
- Lack of lands to cultivate feed
- Absence of control to ensure good quality of milk
- Lack of Automation of production lines
- Seasonality of milk provided by small ruminants (in the Dairy Goat Sector)

Logos: ENI CBCMED, European Union, REGIONE AUTONOMA DE SARDEGNA, ELCIM, Berytech

Video call inset participants: Chadi HOSRI

Supporting our partners while their Living Labs launch



UNIVANVITELLI'S LIVING LAB

31 August 2020-31 August 2021