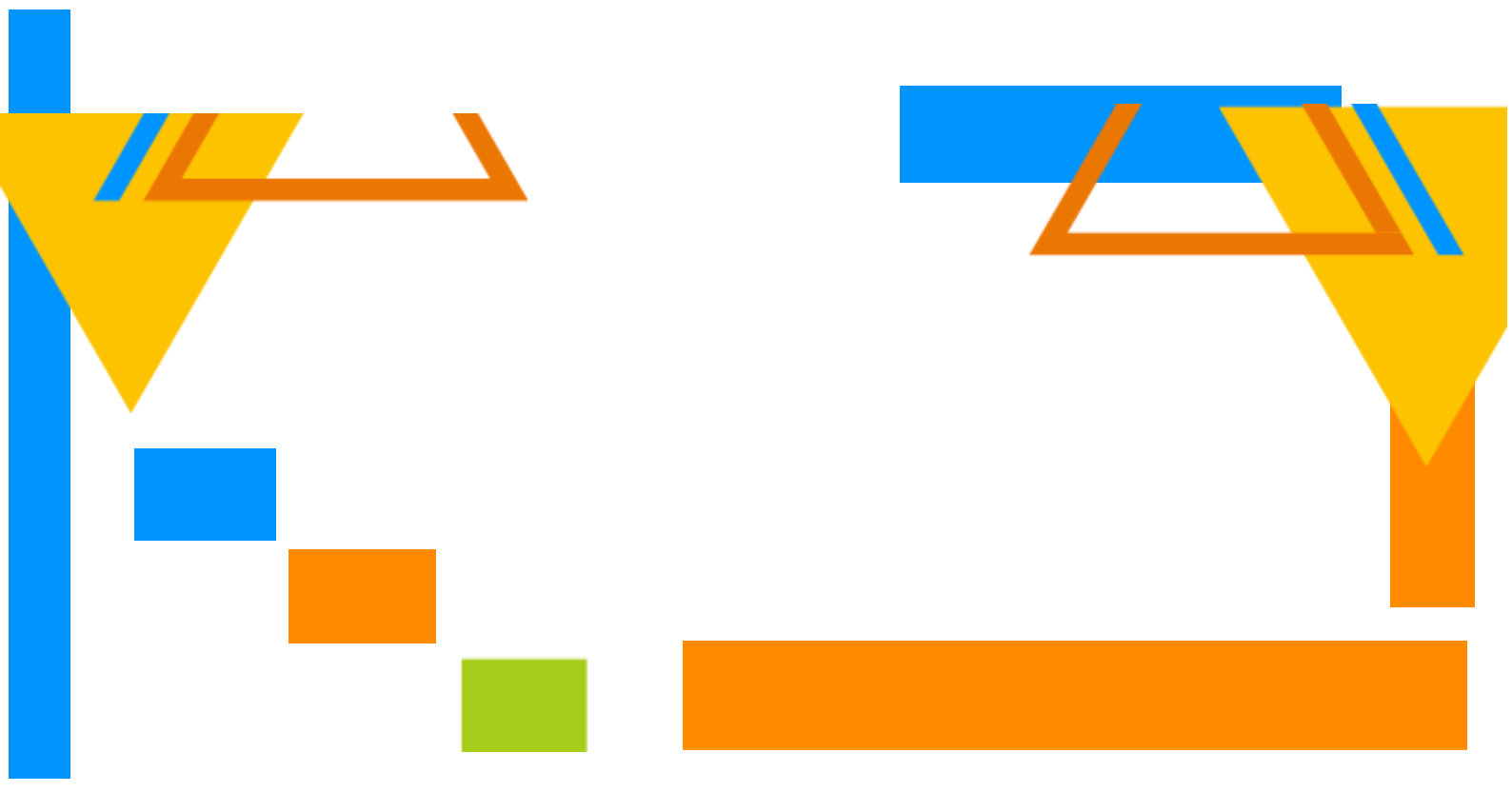


LIVINGLAB

# SECOND YEARBOOK

September 1, 2021 - August 31, 2022

UCLV



# TABLE OF CONTENTS

01 Partner Profile UCLV

02 List of Activities

03 Photos



## PARTNER PROFILE



Università  
degli Studi  
della Campania  
*Luigi Vanvitelli*

*Dipartimento di Ingegneria*

### **Università Vanvitelli ICT Living Lab**

The set-up of TRANSDAIRY ICT Living Lab is boosting interesting synergies with our university lab in Photonics and Optoelectronics.

For years, our lab has developed three main research lines:

- **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.

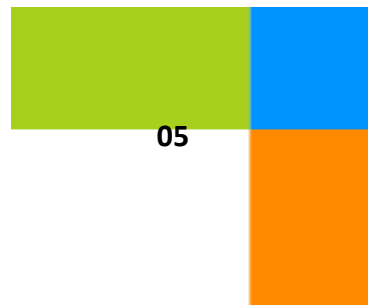


04

## TRANSDAIRY LIVING LAB LIST OF ACTIVITIES

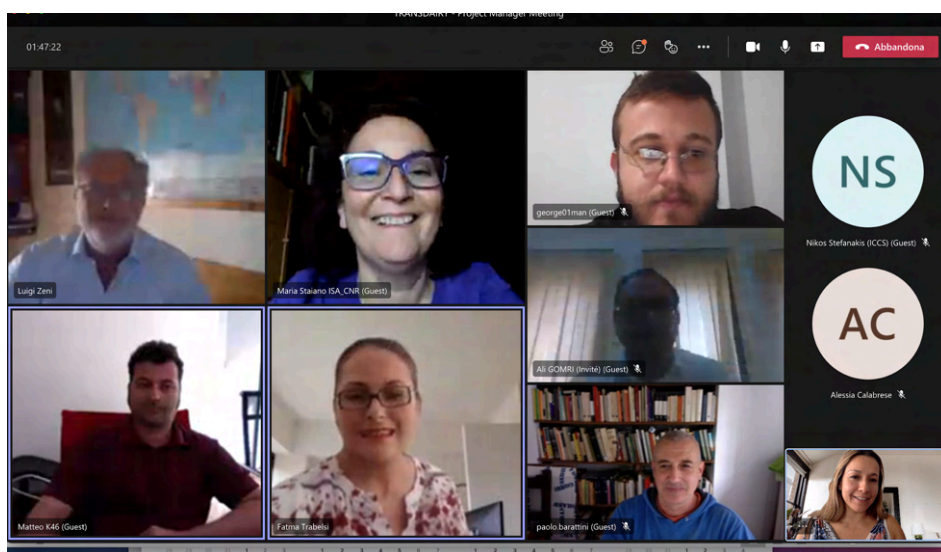
During the period 1 September 2021-31 August 2022 , TANSDAIRY's coordinator, Vanvitelli University implemented the following activities:

- Five technical meetings
- Two Steering Committee Meetings
- Monthly online meetings with our JTS
- Draft and submission of the second first interim report.
- Constant assistance to our partners concerning legal, administrative and financial issues
- Support to our partners for the establishment and launch of their living labs
- Coordination with both WP2 (ESIM) and WP3 (AUA) leaders in order to implement communication work package and conclude all living labs establishment.
- Participation in the technology fair "Innovation Village 2022"
- Jointly with CNR, one focus group
- Jointly with CNR, delivery of our second entrepreneurship sessions cycle
- Delivery of our first specialized training for intermediaries
- Organization of our first open day (finally in person)
- Five technological demonstrations

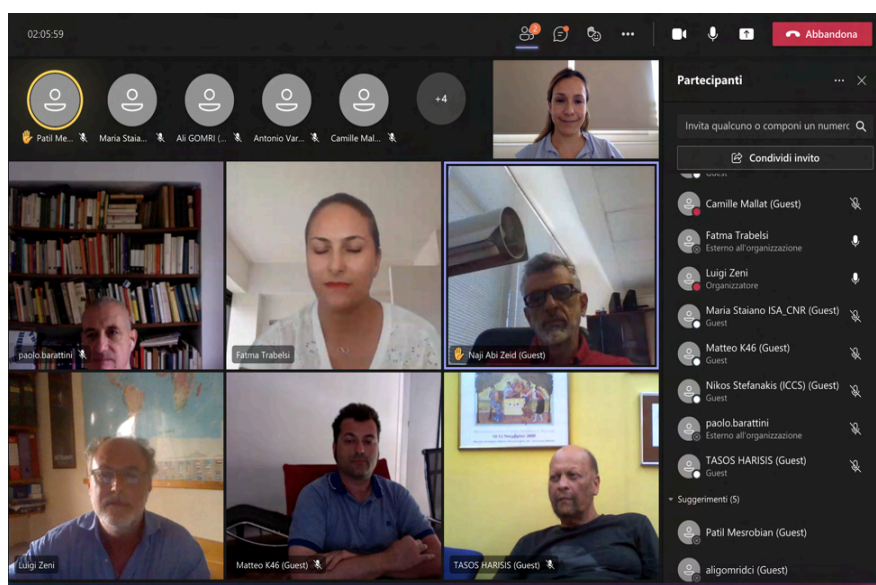


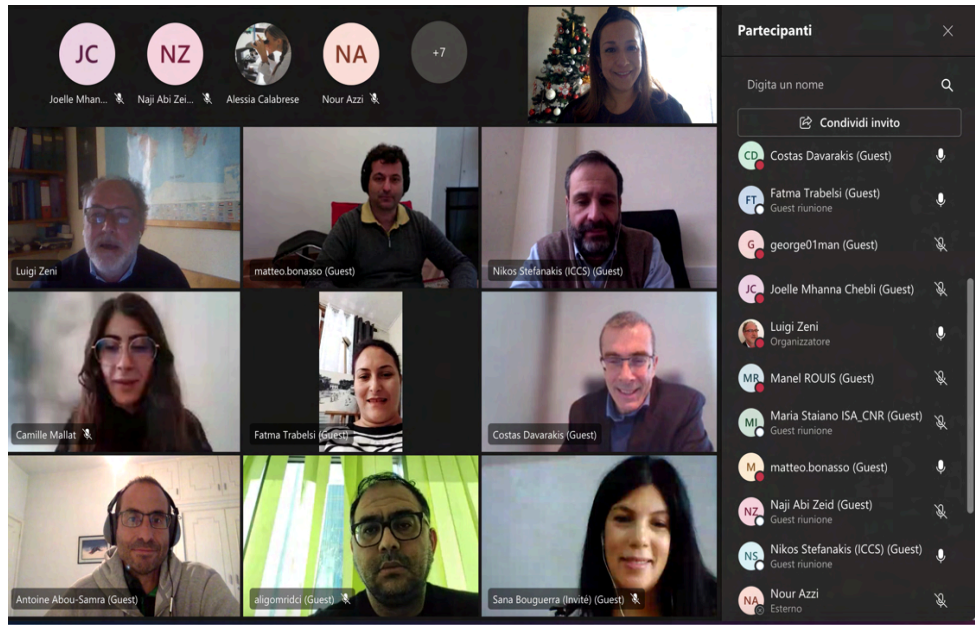
05

# PHOTOS



Technical meeting

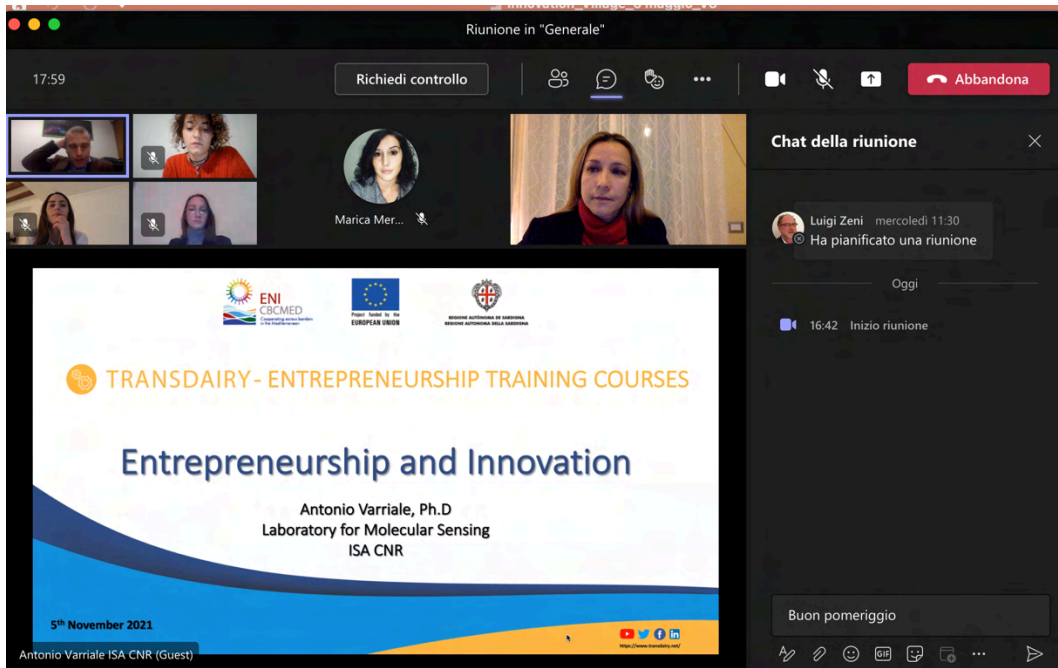




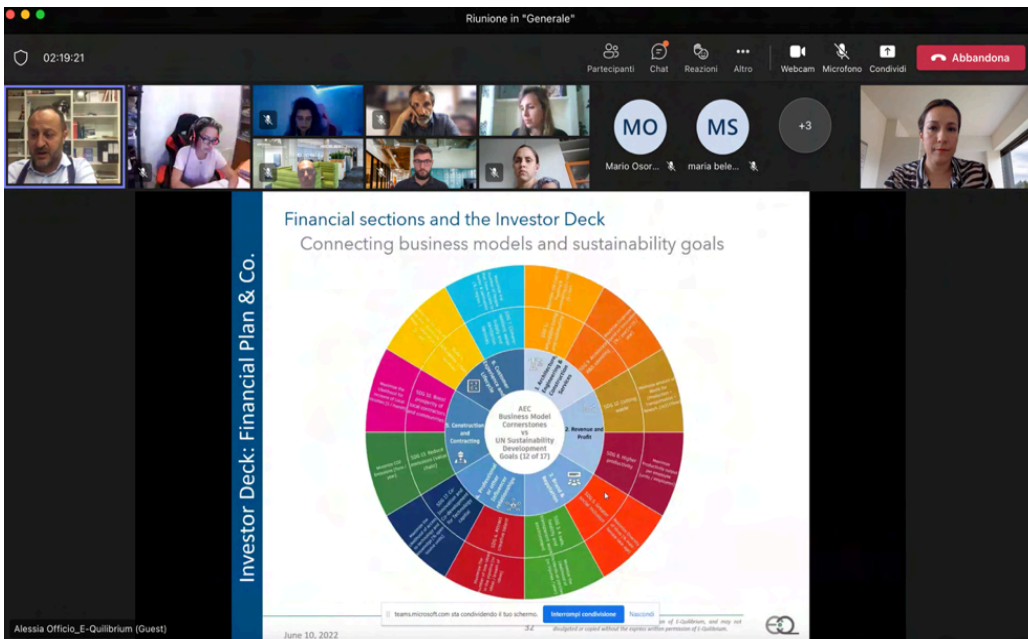
Technical meeting



Technical meeting

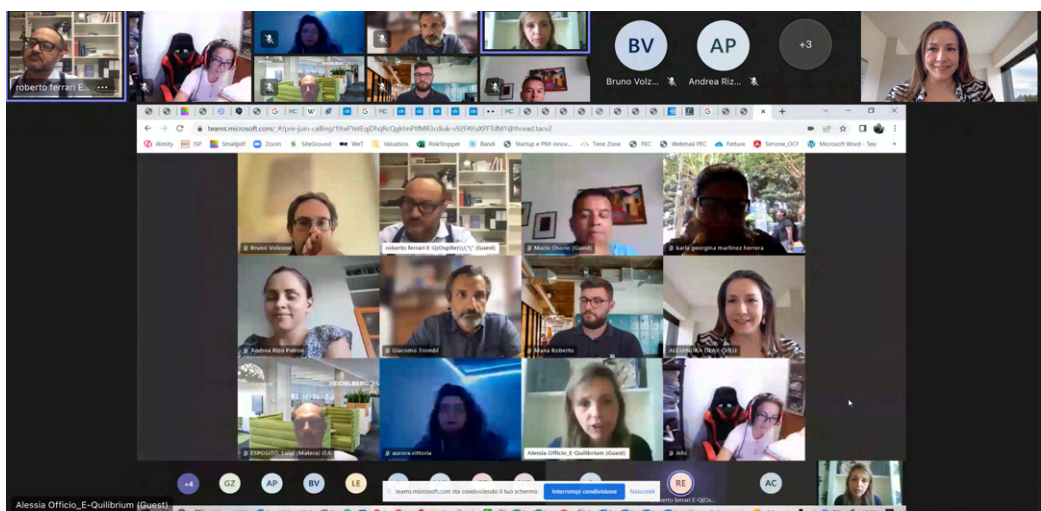
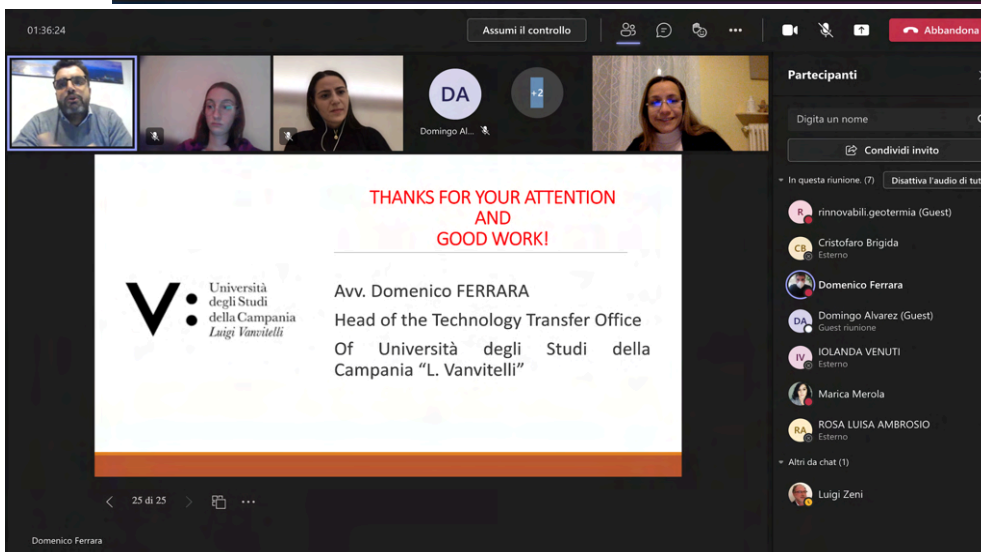
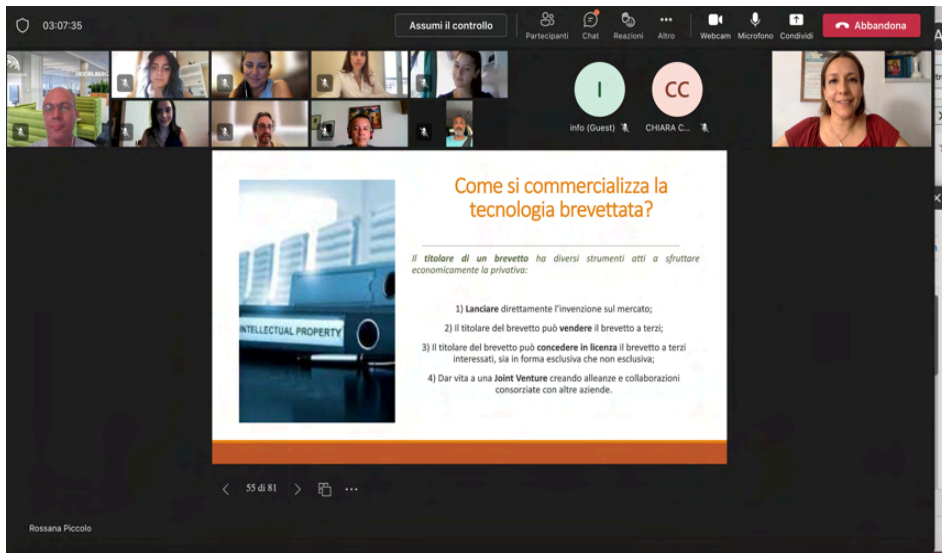


First specialized training for intermediaries



intermediaries

First specialized training for



First specialized training for intermediaries

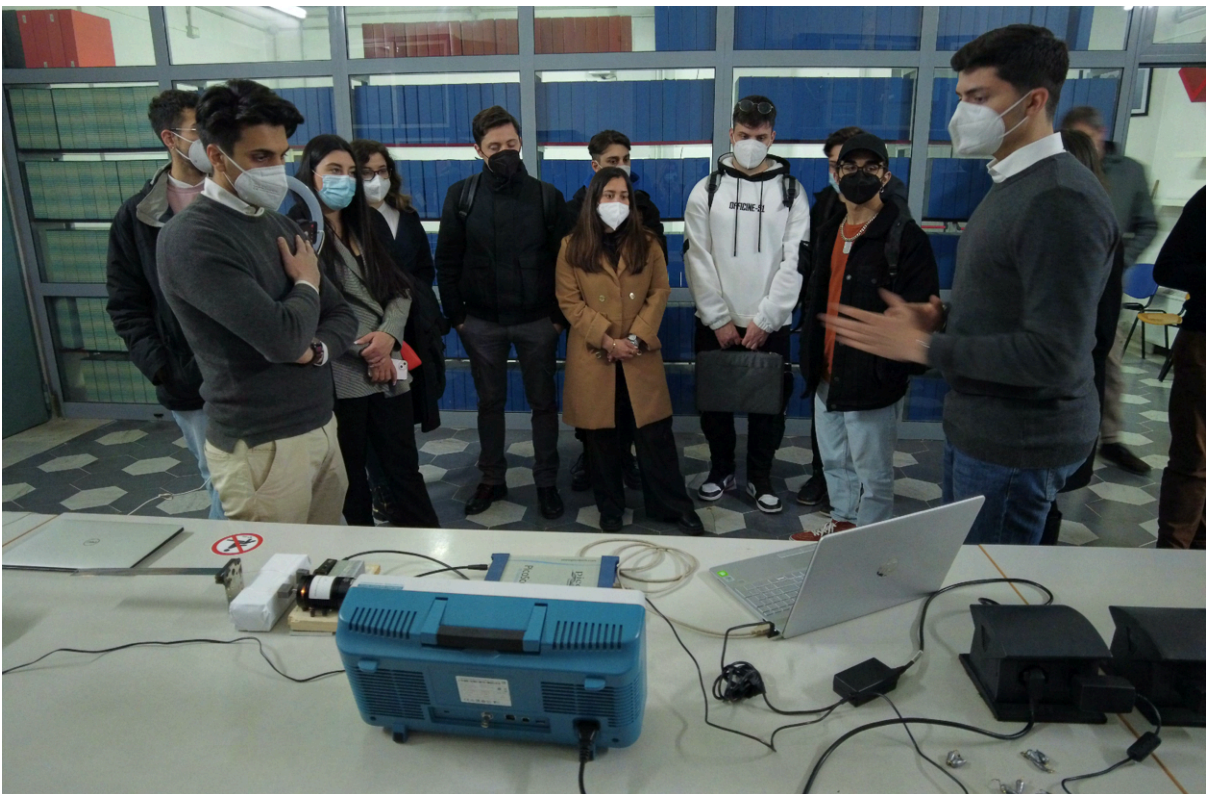




First open day -in presence finally-, March 2022



Focus group, March 2022



Technological demonstrations, March 2022

UNIVANVITELLI'S SECOND YEARBOOK

**September 2021- August 2022**

