











# A global community of talents, startups and spinoffs, corporates and research centres.



300+ 5000+

Served startups and spinoffs Startups & spinoffs in our network



CONFINDUSTRIA EMILIA AREA CENTRO Le imprese di Bologna,

Le imprese di Bologna, Ferrara e Modena

3.500+

20

Companies

Value chain clusters



+00.008

University students

12.000+

Fresh graduates every year

**30** 

International Universities

**470** 

Patents and technologies





#### **Universities and research centres**































Università degli Studi di Ferrara





























**Automotive** 











Food

**Education** 

Healthcare

**Facility** 









Hospitality

Logistics









Manufacturing

**Mobility Packaging** 

Mechanics









Retail

Societal

**Utilities** 

Pharma











Alessandro Grandi President



Andrea Barzetti C.E.O.



Nicole Monti Head of Startup & Spinoff Unit Open Innovation Unit



Francesco D'Onghia Head of



Mario Di Nauta



Michele Lorubio



Alberto Miti



Eleonora Musca



Oggioni

Silvia

Magni



Susanna De Besi



Sergio Pirrone



Lucia Monti



Elena Colombo



Cacace



Alessandro





**BOARD OF DIRECTORS** 



**Shiva Loccisano** Tech Transfer Expert



Filippo Forni

#### **UNIVERSITY RESEARCH GROUP**



Sergio

Bertolucci

Matteo Vignoli



Nicolò Cocchi



Clio Dosi

Alexandru Nicolae Cublesan



Giampaolo Pagliuca





Stefania Fanti



Riccardo Maistrello



Paola Ferrara



Federico Fattori



Rachele Gallorini

# Startup & Spinoff Unit







**Pre-incubation** 

**Incubation** 

Acceleration











#### **INCUBATION**



Workshops with experts

Consultancy perks

Coaching & Monitoring

**Networking events** 

Scouting Calls, Funding & Tenders

**Private Web Area** 

Erasmus For Young Entrepreneurs

#### **ACCELERATION**



Mentoring with experts

Matchmaking with investors & corporates

Preferential access to exhibitions and events

#### **ON DEMAND**



Office Space

**Grant Desk** 

Startup taste

Manager Up

**Prototyping Space** 

-

Personal coaching



## Services that strengthen the ecosystem

#### INCUBATION



Workshops with experts

Consultancy perks

Coaching & Monitoring

Networking events

Scouting Calls, Funding & Tenders

Private Web Area

Erasmus For Young Entrepreneurs

#### **ACCELERATION**



Mentoring with experts

Matchmaking with investors & corporates

Preferential access to exhibitions and events

#### **ON DEMAND**



Office Space

**Grant Desk** 

Startup taste

Manager Up

**Prototyping Space** 

Personal coaching



Open Innovation Unit



Where problems/opportunities are explored and new solutions are developed

INNOVATION COACHING

DESIGN THINKING EMBEDDED

**BETA BUSINESS** 

Where specific needs meet existing innovative solutions

**VENTURE CLIENTING** 

Where organizations meet young talents

TALENT ACQUISITION PROGRAMS

Where young talents challenge their entrepreneurial mindset

OPEN INNOVATION PROGRAMS



Where problems/opportunities are explored and new solutions are developed

INNOVATION COACHING

DESIGN THINKING EMBEDDED

**BETA BUSINESS** 

Where specific needs meet existing innovative solutions

**VENTURE CLIENTING** 

Where organizations meet young talents

TALENT ACQUISITION PROGRAMS

Where young talents challenge their entrepreneurial mindset

OPEN INNOVATION PROGRAMS





#### Innovation development programs

#### **RESOURCES**



**Students** 

Fresh graduates

Young professionals

Startuppers

Researchers

Company employees

#### **MODEL + COACHING**



Design thinking

3-to-8 month process

Full time or part time

Market-pull or technology-push

#### OUTPUT



New products/services that match the company's innovation needs





### Innovate with design thinking



#### Discover

**(WHAT IS)**Explore context and people



#### Design

**(WHAT IF)**Identify & build opportunities



#### Develop

**(WHAT WORKS)**Bring solution to life

#### Mindset

Problem Setting
Naive & Curious
Exploratory
Observe & Listen
Empathize

#### Mindset

Problem Solving
Envisioning
Solutionize
Imagination
Iterate

#### Mindset

Decision-making
Strategic
Realistic
Pragmatic
Evaluate





# INNOVATION COACHING

**BECOME A PROTAGONIST** 

PERSONALIZED PROCESS

SUPPORTING CULTURAL TRANSFORMATION

Pic: Coaching @CREDEM



# DESIGN THINKING **EMBEDDED**

EMBED CREATIVE ENERGY AND ENTHUSIASM

HIGH EXPOSURE TO INNOVATION CULTURE

QUICK DEVELOPMENT OF AN INNOVATIVE SOLUTION





# BETA BUSINESS

DEVELOP SOLUTIONS IN NEW NO-CORE BUSINESSES

APPLY AGILE, STARTUP-LIKE METHODOLOGIES

TEST INNOVATIVE BUSINESS MODELS

Where problems/opportunities are explored and new solutions are developed

INNOVATION COACHING

DESIGN THINKING EMBEDDED

**BETA BUSINESS** 

Where specific needs meet existing innovative solutions

**VENTURE CLIENTING** 

Where organizations meet young talents

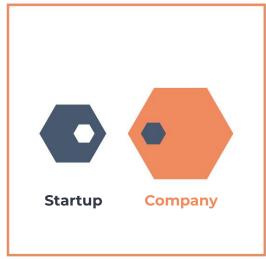
TALENT ACQUISITION PROGRAMS

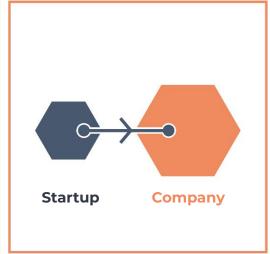
Where young talents challenge their entrepreneurial mindset

OPEN INNOVATION PROGRAMS









The corporate acquires equity stake of the startup.

The corporate buys the startup product.

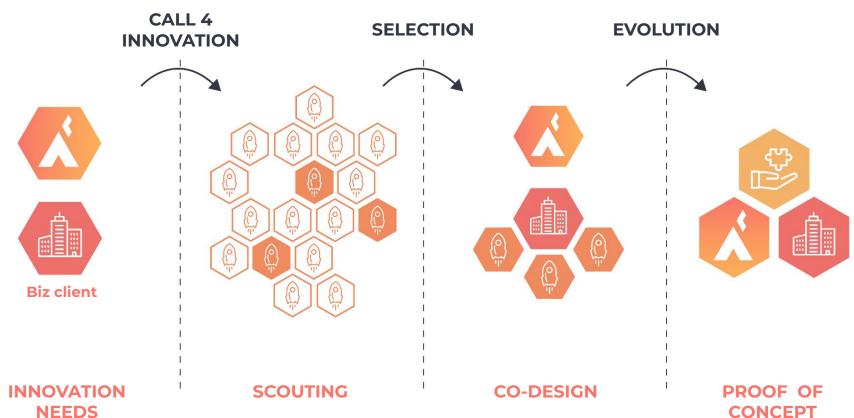


# VENTURE CLIENTING

MEET INNOVATIVE AND IMPACTFUL SOLUTIONS FOR YOUR FIELD

CO-DESIGN WITH STARTUPS FOR THE BEST FIT POSSIBLE









### **Venture Clienting examples**



CALL4STARTUP

REGOLAMENTO

CALENDARIO ATTIVITÀ



IT







### **Venture Clienting examples**



HOME REGOLAMENTO CONTATTI ENG









ORGANIC ECOSYSTEM





Where problems/opportunities are explored and new solutions are developed

INNOVATION COACHING

DESIGN THINKING EMBEDDED

**BETA BUSINESS** 

Where specific needs meet existing innovative solutions

**VENTURE CLIENTING** 

Where organizations meet young talents

TALENT ACQUISITION PROGRAMS

Where young talents challenge their entrepreneurial mindset

OPEN INNOVATION PROGRAMS





### TALENT ACQUISITION PROGRAM

CONNECT ORGANIZATIONS
AND TALENTS

TRAIN YOUR FUTURE TALENTS
INNOVATION MINDSET

EXPERIENTIAL RECRUITING





### Talent Acquisition Program: an Example





# **Local organization**in need of fresh resources

in need of hesir resources

# Young Talents from all over Italy

**Innovation challenges** given by the companies

Weeks of Innovation Residency to co-design and meet the city



Where problems/opportunities are explored and new solutions are developed

INNOVATION COACHING

DESIGN THINKING EMBEDDED

**BETA BUSINESS** 

Where specific needs meet existing innovative solutions

**VENTURE CLIENTING** 

Where organizations meet young talents

TALENT ACQUISITION PROGRAMS

Where young talents challenge their entrepreneurial mindset

OPEN INNOVATION PROGRAMS





### Methodological and operational support for other organizations and Universities

















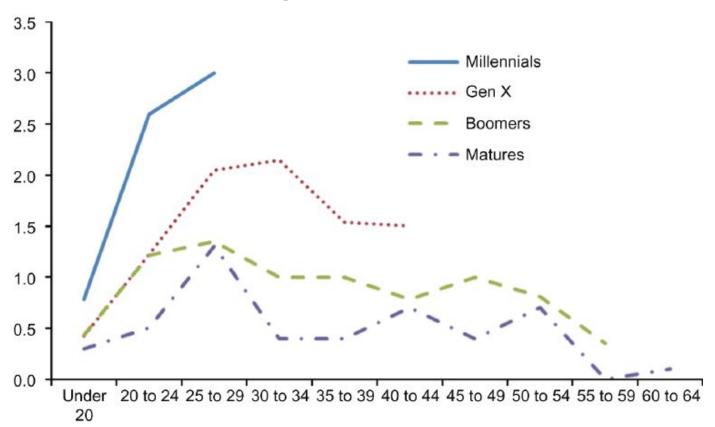








# Inter-generation comparison of job changes across career stages





### Supporting the changemakers of tomorrow







**Academic Path** 

Extracurricular activities, innovation and entrepreneurship programs

**Innovation Talent** 

Creativity
Curiosity
Empathy
Communication
Critical thinking
Teamwork

•••



# 1. A (Real) Problem

The learning experience should be centered around finding an answer or a solution to a problem that exists in the real world.

This is typically a non-technical problem, and must pertain to either strategic or tactical-based scenarios or issues. Within an action learning set there may be one problem or many.



### 2. A Client

This is the entity who set forth the problem, it is interested in its solution, and gives concerned and informed feedback. This may be an outside organization, a corporate, a public administration, a no-profit org, investors, specific target users, ecc...



This is the individual who facilitates the set and presents the guidelines for the problem solving process.

It may be a professor, a teaching assistant, an external coach/mentor...



### 4. A Process

this involves an assessment and analysis of the problem, reflection, the formulation of a possible solution or hypothesis.

- 1. A problem (the challenge)
- 2. A client (the organization issuing it)
- 3. A set adviser (coach, mentors, etc.)
- 4. A process (Design Thinking)



- 1. A problem (the challenge)
- 2. A client (the organization issuing it)
- 3. A set adviser (coach, mentors, etc.)
- 4. A process (Design Thinking)
- +
- **5. An enabling workspace** (makerspace, lab, openspace...)



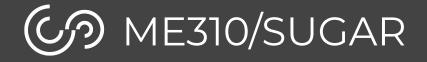


OPENING INNOVATION

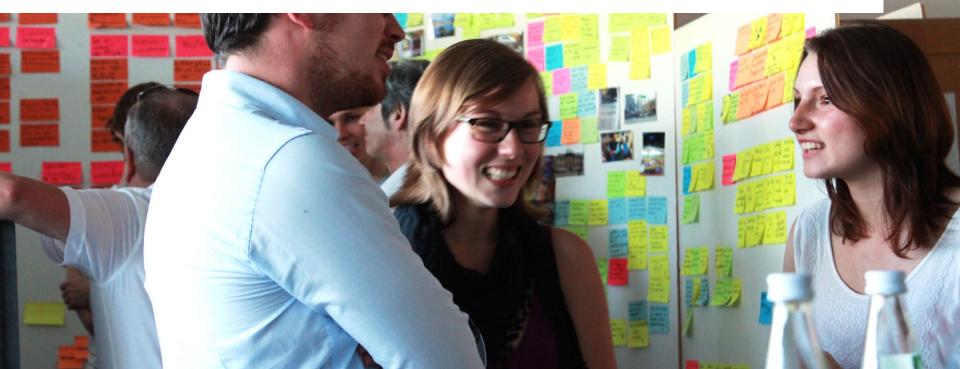
Sugar is a **global network** that brings together **28 international universities.**Sugar program is an **international collaboration** program aimed at addressing an innovation challenge proposed by a partner company, through the collaboration between two multidisciplinary teams of selected students from two universities in the network.







Connecting industry and students to create real, global impact.





250+ Multidisciplinary Students

Global Partner Universities

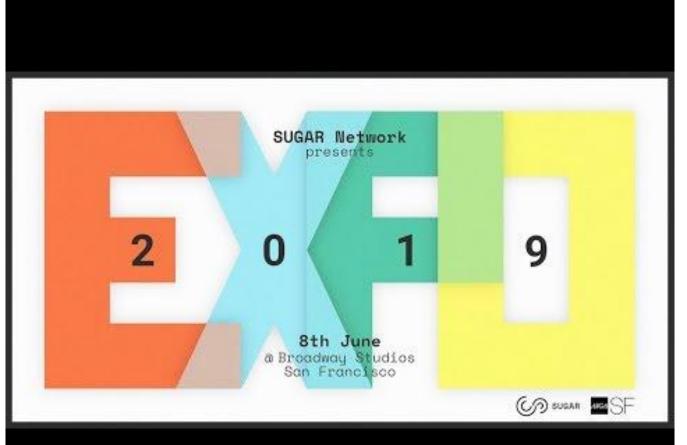
15 Different Counties



Sponsor companies / Projects

50+ Professors & Coaches

Past collaboration with companies & entrepresises



Link
<a href="https://www.you">https://www.you</a>

tube.com/watch ?v=HLE4sRIFYn Q&ab\_channel=

SUGARNetwork







# **SUGAR's process:**







# Discover WHAT IS

Understand what are the needs to design around.

Understand what is really striking you in the context

Understand what are the areas of opportunity

#### Ideate WHAT IF

Explore the solution space

Generate several concepts

Create value for the users

Envision solution concepts

## Develop WHAT WORKS

Prototype a proof-of-concept

Design its viability and feasibility

Build the network in the company

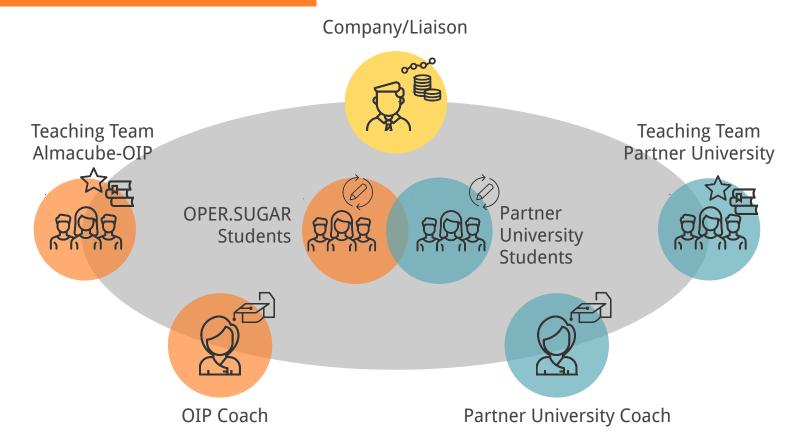
Challenge

Redefined challenge

Design Vision and Design Principles

**Final Solution** 

# **Project Support Structure**

















Home

Product

Research

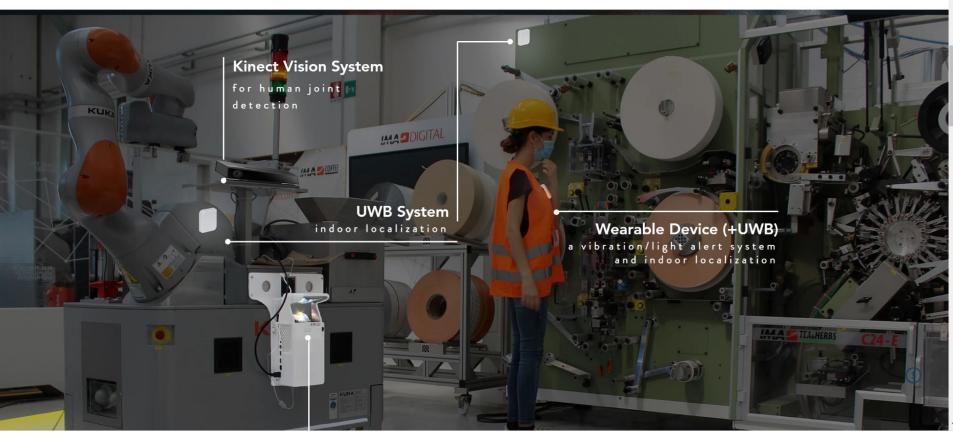
Our Journey About us

Our partner

**Events** 

Contact









## **Some SUGAR stories**

#### Stevie - the robot

- Stevie is as a socially assistive robot. It's
  designed to help users by engaging with them
  socially as well as physically.
- List of 2019 Top 100 Innovation from TIME
- Cover feature on TIME magazine



TCD: Ana Vieira, Bobby Gilham, Jack Lynam, Victor Muniz USP: Bernardo Bichucher, Luiz Sol, Mariana Tamashiro









# 9 months of dedication lead to...



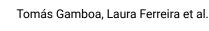


#### Ghisallo

- A bicycle for the inexperienced, older, or users who need more safety on the road
- Won an Innovation Award in SONAE













OPER.CBI was born at CERN with the aim of transferring technologies and knowledge developed by CERN to society through Human-Centered Innovation approaches. The program invites companies to provide market-related challenges and engages multidisciplinary teams of students and researchers to find innovative solutions inspired by CERN technologies and mindset.

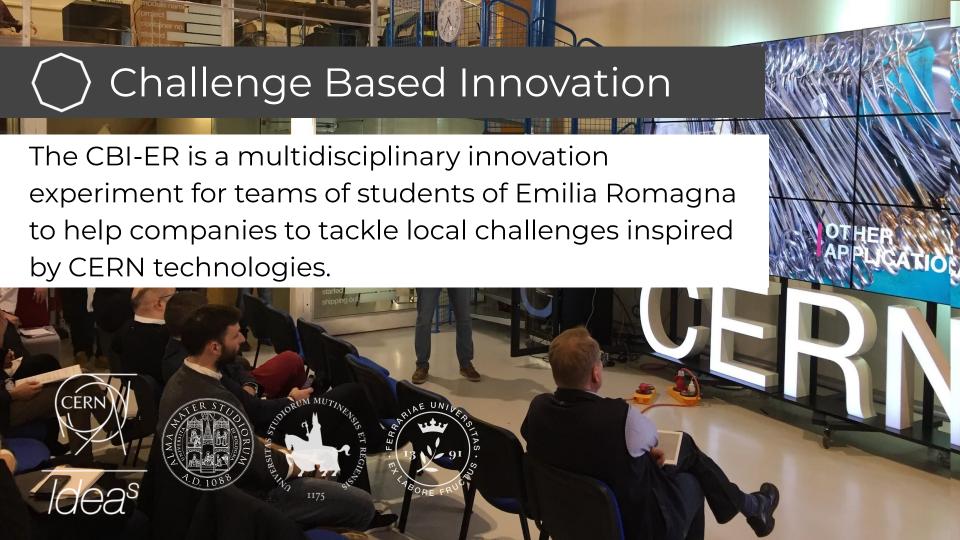


















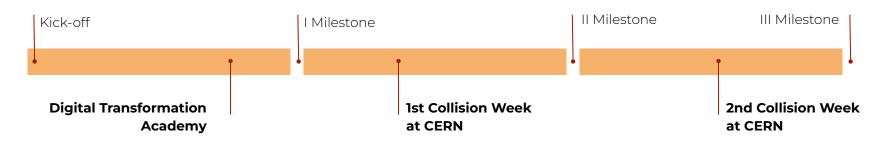
#### Link

https://drive.goo gle.com/file/d/1V 2JnOHRHOKEZIj \_x-lv1oB2Erv6Vq WtL/view?usp=s haring



# **CBI process:**

Compared to the standard structure of DT, OPER.CBI provides specific activities to manage the technological component.



#### Needfinding

<u>Goal:</u> Identification of needs Development of technological scenarios to manage the association between a technology and the need to be satisfied.

#### **Ideation**

<u>Goal</u>: Design of three solution concepts and identification of the technological level applicable to the challenge in line with the strategic objectives of the company.

#### Definition

<u>Goal:</u> Technology test to be applied to the selected solution concept. Development of a prototype





# Team's support network



Coaching & Teaching team



Company Liaison Team



University Professors, Researchers, KTO



CERN Knowledge Transfer Office KT



**CERN**Researchers



# Why CBI - CASE

#### Cell Culture & Granarolo:

Explore different angles of the problem and discover unexpected opportunities.

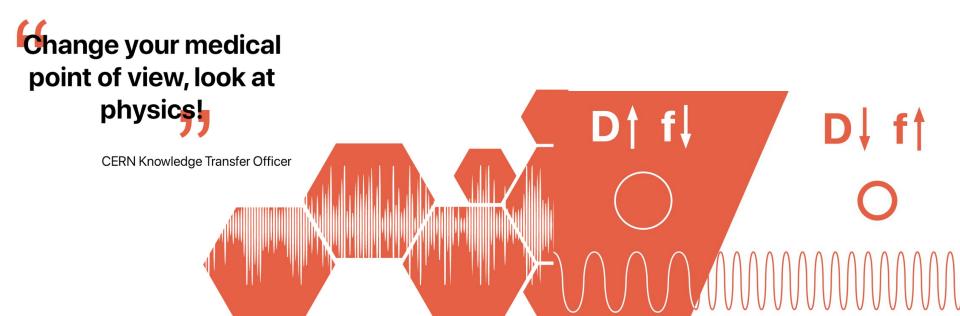




# Why CBI - CASE

## Kyphi & Sanofi:

Look at your business-as-usual from a new perspective.







an inside story











Born in the beautiful Naples

Graduated in Philosophical Sciences at Alma Mater Studiorum

Participated in the CBI program

Excited by everything















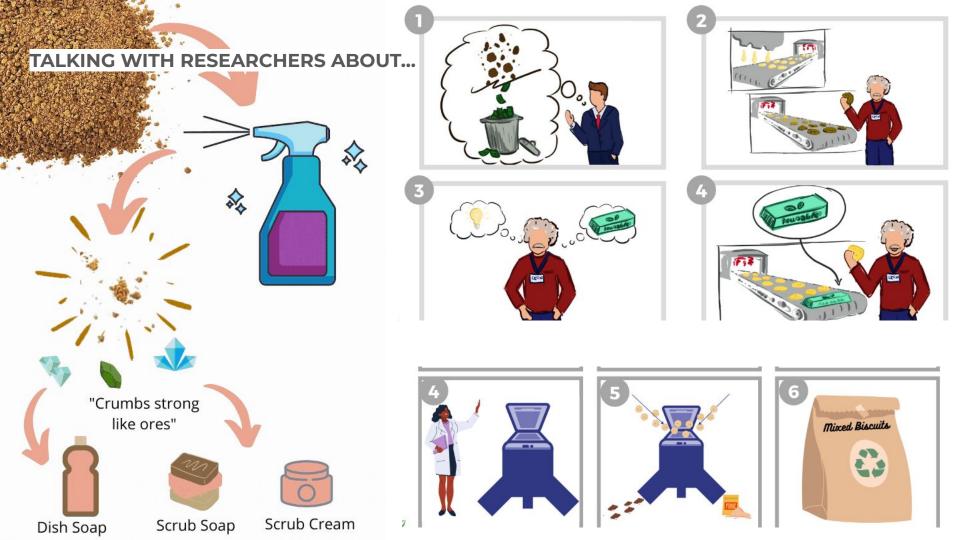


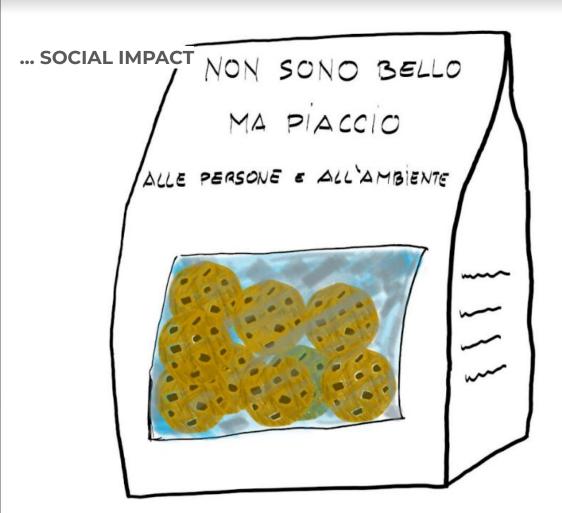




How might we enhance-save and/or reduce the food waste (scraps) generated by the production of baked goods (sweet and salty), in particular in the production of biscuits and croutons, finding a relevant industrial application that valorizes them?













#### CBI ENVIRONMENT AND EXTENDED NETWORK

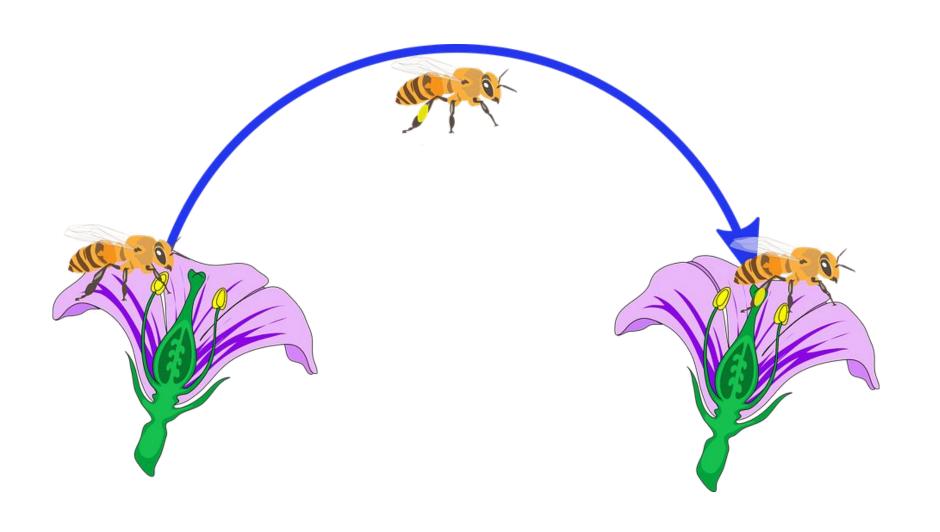












# Thank You!



# THANK YOU!

**Eleonora Musca** | Open Innovation Manager eleonora.musca@almacube.com

Alessandro Cacace | Open Innovation Assistant eleonora.musca@almacube.com

Almacube srl Viale Giuseppe Fanin 48, Bologna, 40127 www.almacube.com

