IdeaSquare

CERN as an engine of scientific collaboration; IdeaSquare as the innovation space at CERN. 25th May 2024
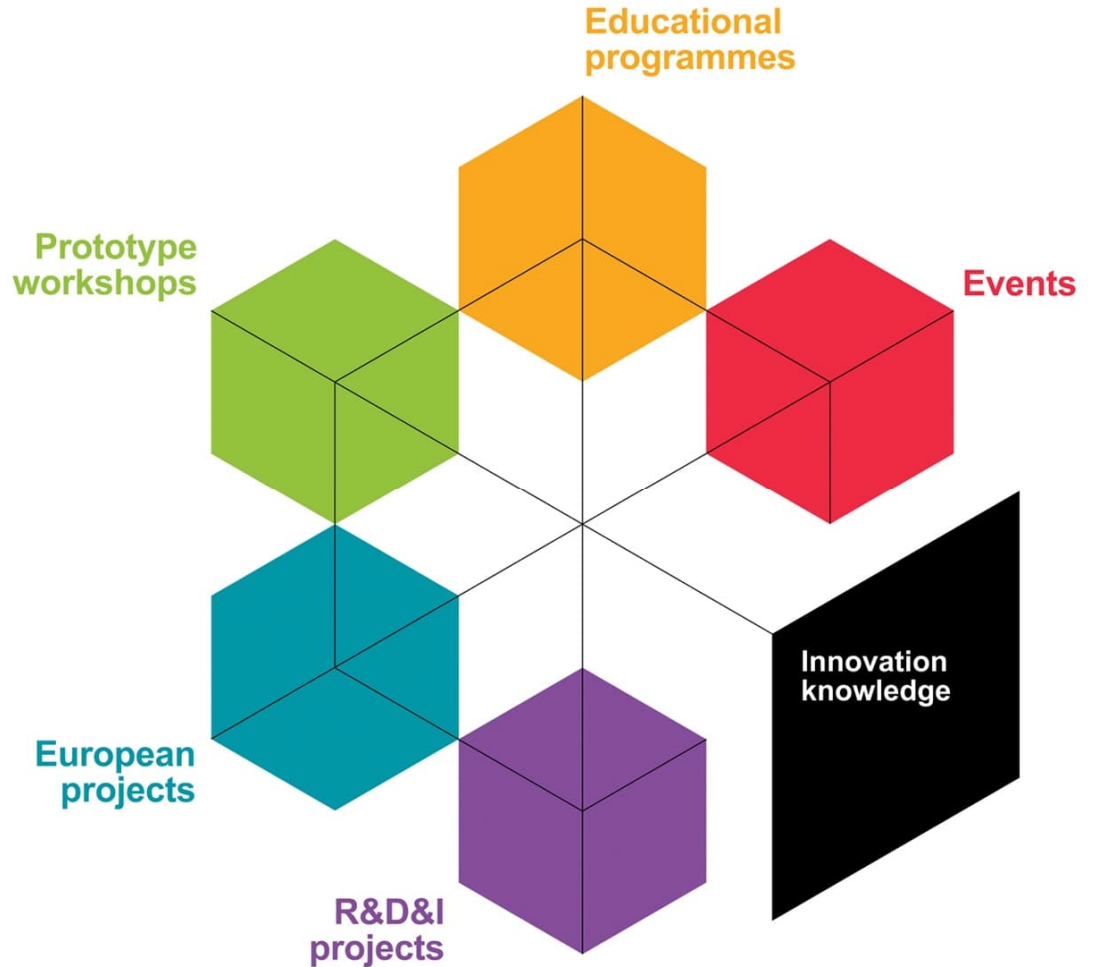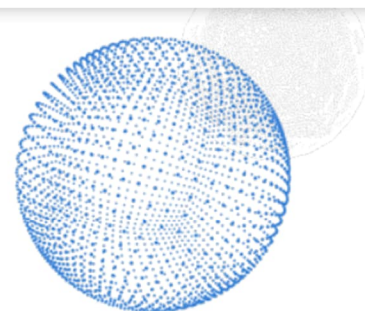
Catarina Batista

IdeaSquare

The Innovation Space at CERN

- Collaborative methodologies;
- Access to CERN expertise;
- Cross-connectivity to ideate solutions for the future of humankind.

We enable students and innovators to **imagine a future** worth fighting for, and we give them the **tools and confidence** to start building that future.

![ATTRACT — Developing breakthrough technologies for science and society](image)

Absorbing and reducing the risk to the market

Public funding — **Private investment**

From ideas to prototypes

ATTRACT phase 1
Risk absorption

From prototypes to pre-market products

ATTRACT phase 2
Risk mitigation

From pre-market products to solutions

IdeaSquare:

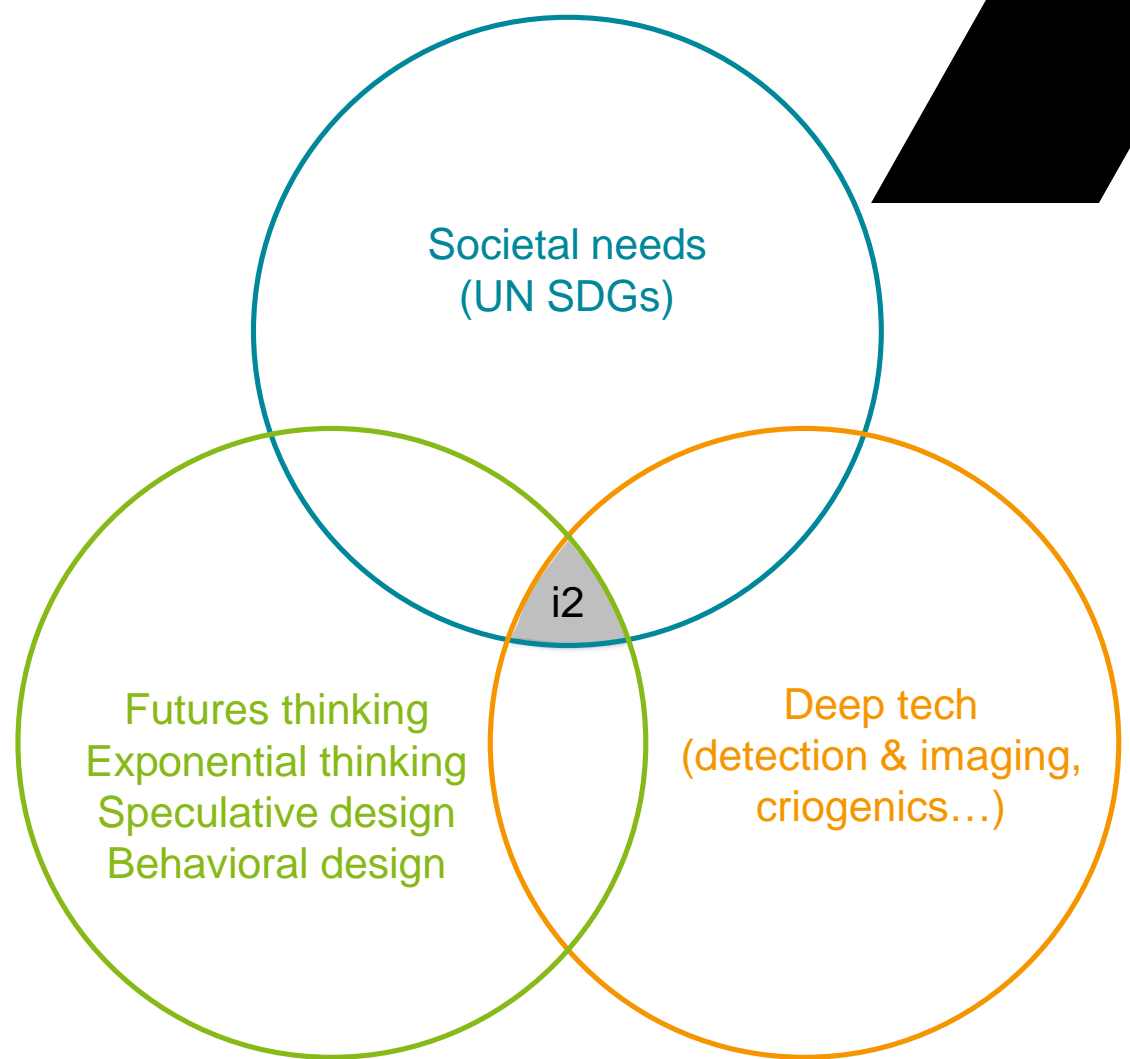## open science,
open innovation,
open to the world.

True to the CERN spirit: open, inclusive, collaborative, international.

Several projects funded in collaboration with inanoENERGY, the International Iberian Nanotechnology Laboratory and Minho University, each getting 2M €.
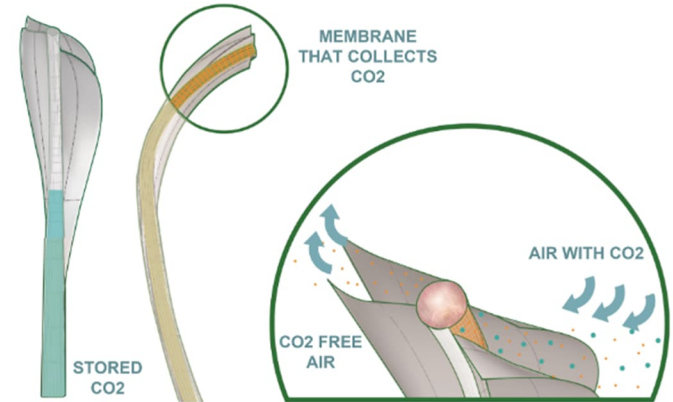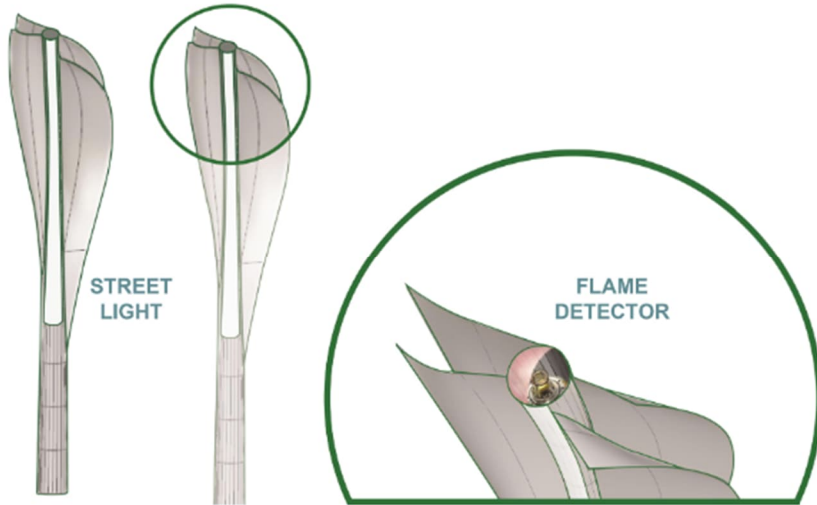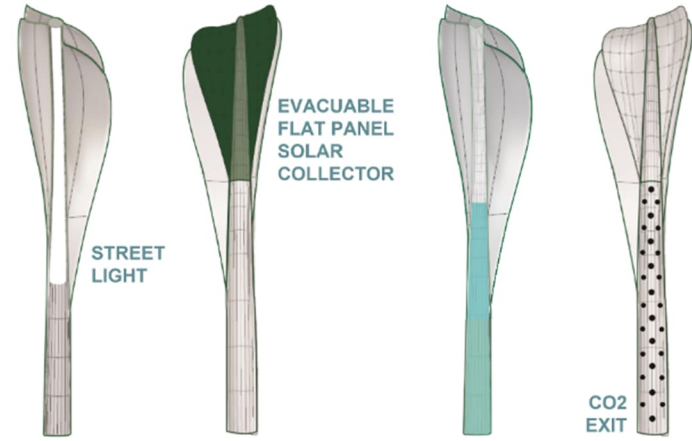
Intersecting societal challenges with deep tech

- **+22** active program collaborations;

- Universities from **8 different countries;**

- **Multidisciplinary teams** of students: business, design, engineering, social sciences…

- **CERN researchers** who act as technological coaches.

Societal needs
(UN SDGs)

i2

Futures thinking
Exponential thinking
Speculative design
Behavioral design

Deep tech
(detection & imaging, criogenics…)

How might we create a safe passage,
so when a wildfire occurs,
roads don't get blocked?

Our objectives

- **Order of Magnitude Thinking (+ estimations!)**

  - Ideas should be disruptive enough to generate excitement,

  - While also having a substantial basis behind - "Do the math"

- **Systemic and Exponential Impact**

  - Going for exponential ideas

  - Thinking in planetary levels

  - Nothing is so great that there is nothing bad: what are the implications of your solution?

Contact us!
#CERNIdeaSquare
ideasquare.cern