

CBI A³

Challenge-Based Innovation





CERN Ideasquare

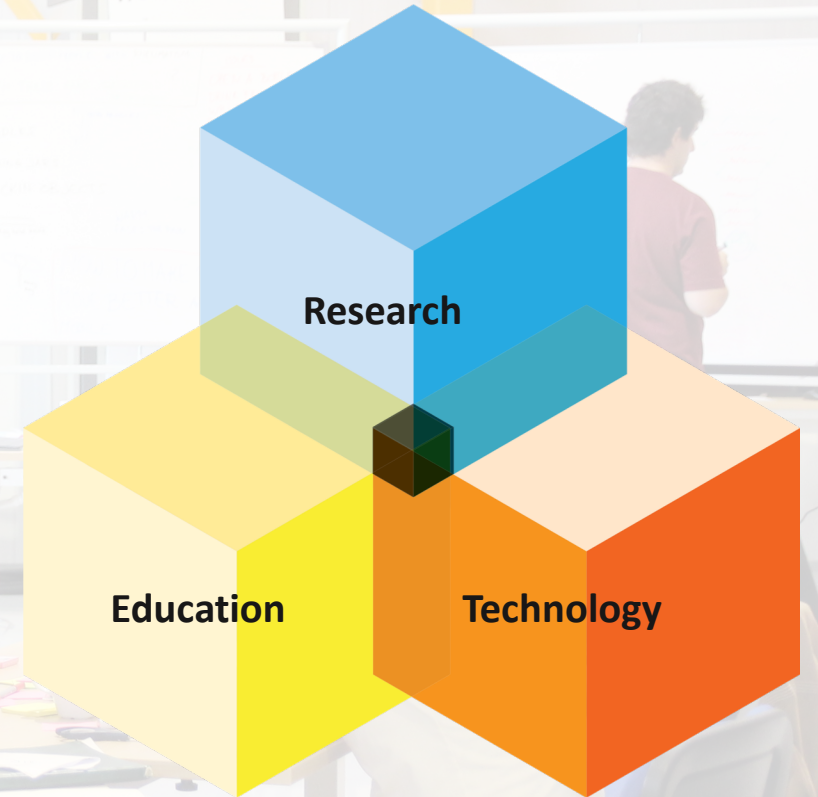
CBI PRESENTATIONS

Santeri Palomaki (CERN)



IDEASQUARE IS

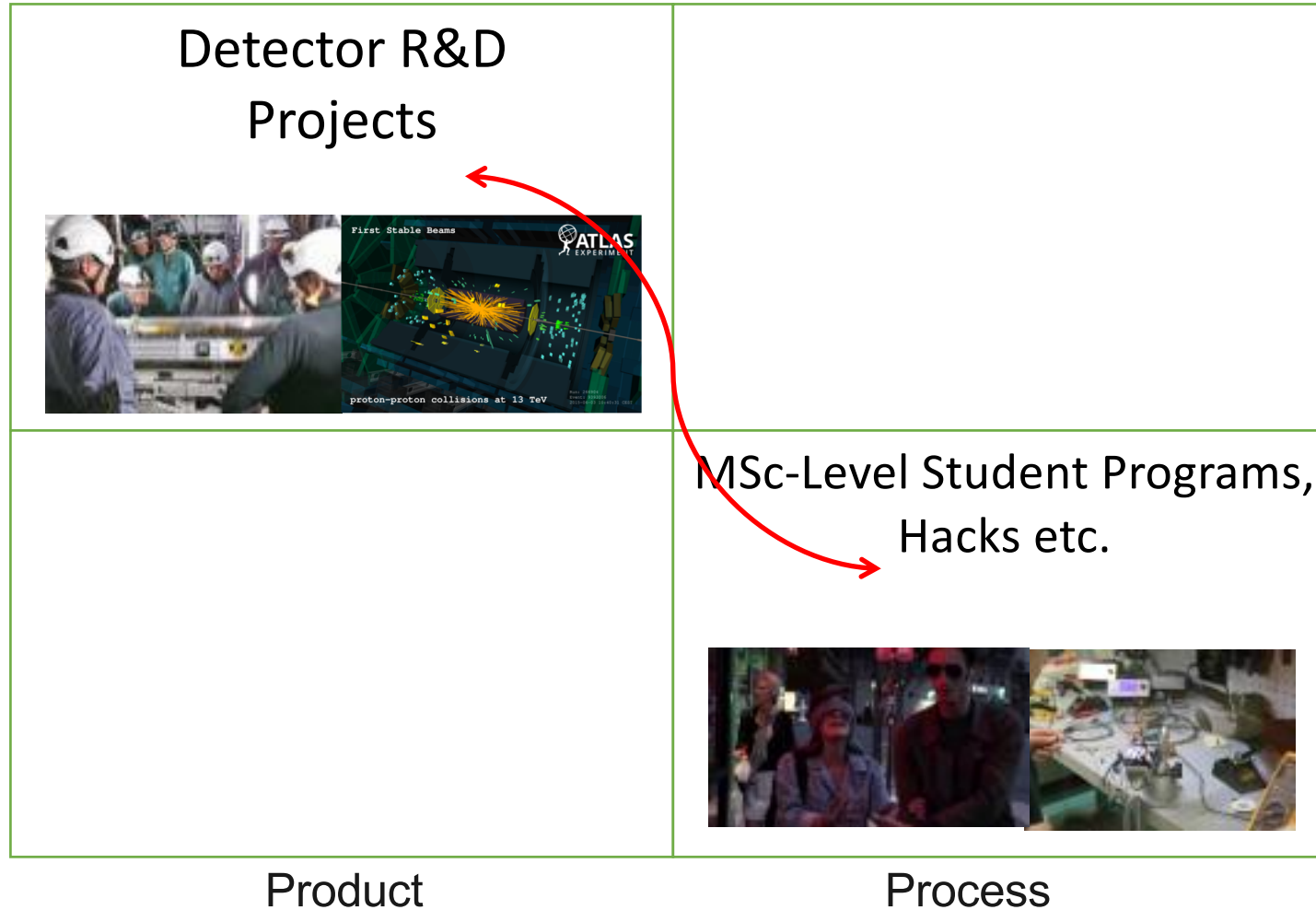
- Project with a dedicated building, hosting:
 - Detector upgrade R&D projects
 - Innovation events, workshops, hackathons
 - Multidisciplinary master level student programs
- ...to prototype, test and iterate new forms of collaboration and co-creation in the areas of Research, Education and Technology - **RET**



WHAT IS THE MOST INTERESTING LINK FOR NEW INNOVATION?

Technology

Initially undefined/open Defined/closed



Focus



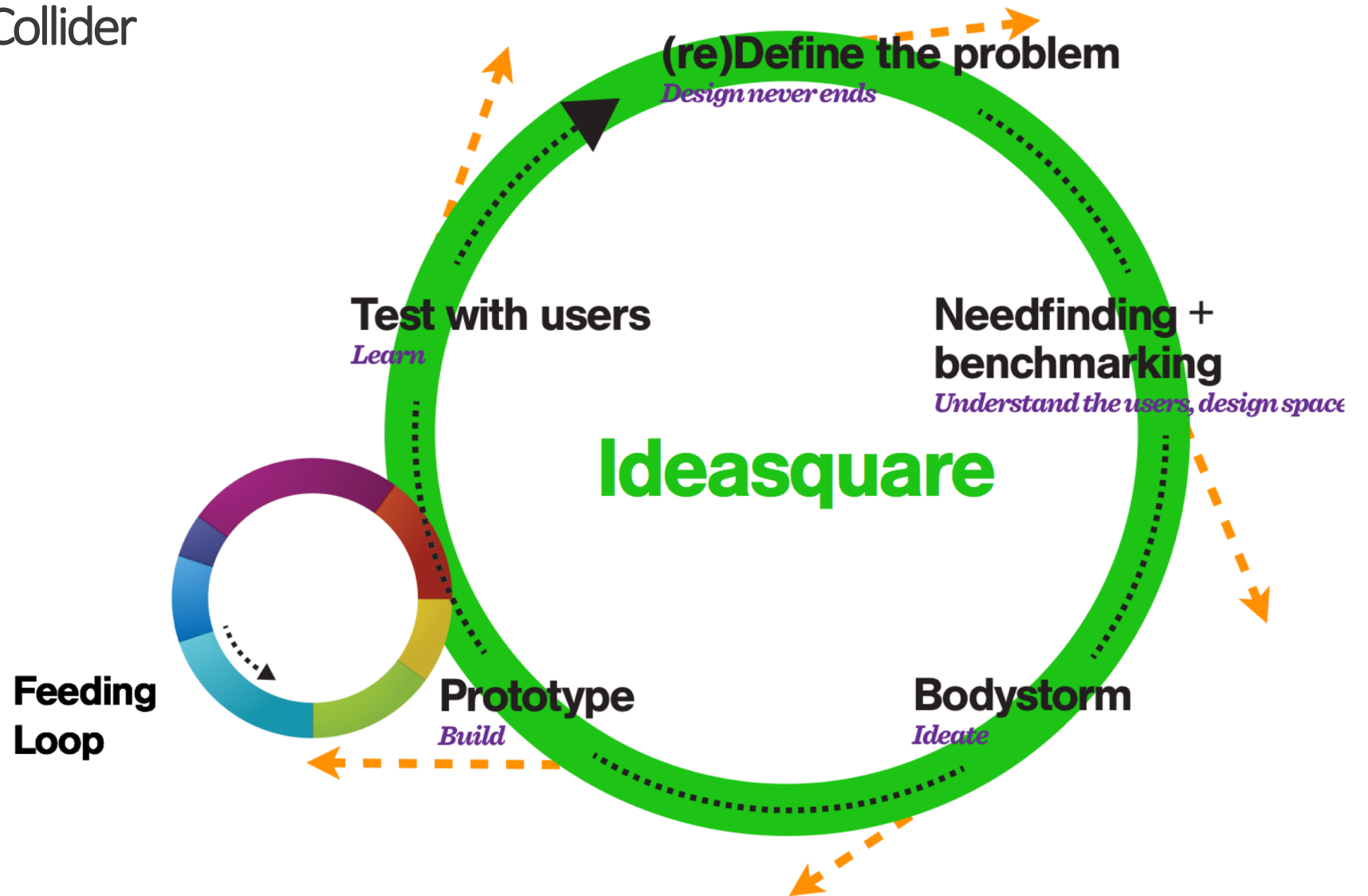
Challenge
Based
Innovation

CBI STUDENT PROGRAM

- Challenge Based Innovation (CBI) is 4-7 month specialization course for product and service development, run by participating universities from (currently) 8 countries around the world
- In the course, multidisciplinary student teams learn how to apply Design Thinking – process for new product/service development; CERN researchers act as technological coaches in the process
- “Work extremely hard, learn and have fun!”
- “Fail fast and often to succeed sooner”

IDEASQUARE

The Small Human Collider



IDEASQUARE OUTPUT

- Education of future scientists and innovators
- Creating talent for *both* basic research and entrepreneurship (iterative prototyping, new business concepts)
- Sharing of ideas, spaces and resources improved in and between versatile development projects in a high-tech environment
- Societal value from basic research
- Shared experimental data on innovation processes (CIJ)
- Demonstrator for ATTRACT (www.attract-eu.org) to create local entrepreneurial ecosystems using centers like CERN as engines of innovation

All you need is

..Love **PHYSICS**

..Design

..Business

..and Engineering.

Questions? Comments?

Contact information:

Email: santeri.palomaki@cern.ch

   @ideasCERN

#Ideasquare #ThinkDoCollaborate #CERN

Let's have a cup of coffee and make it happen!



Idea^s

CBI - A³ edition 2018-19



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SUSTAINABLE
DEVELOPMENT GOALS



+



CERN
technology





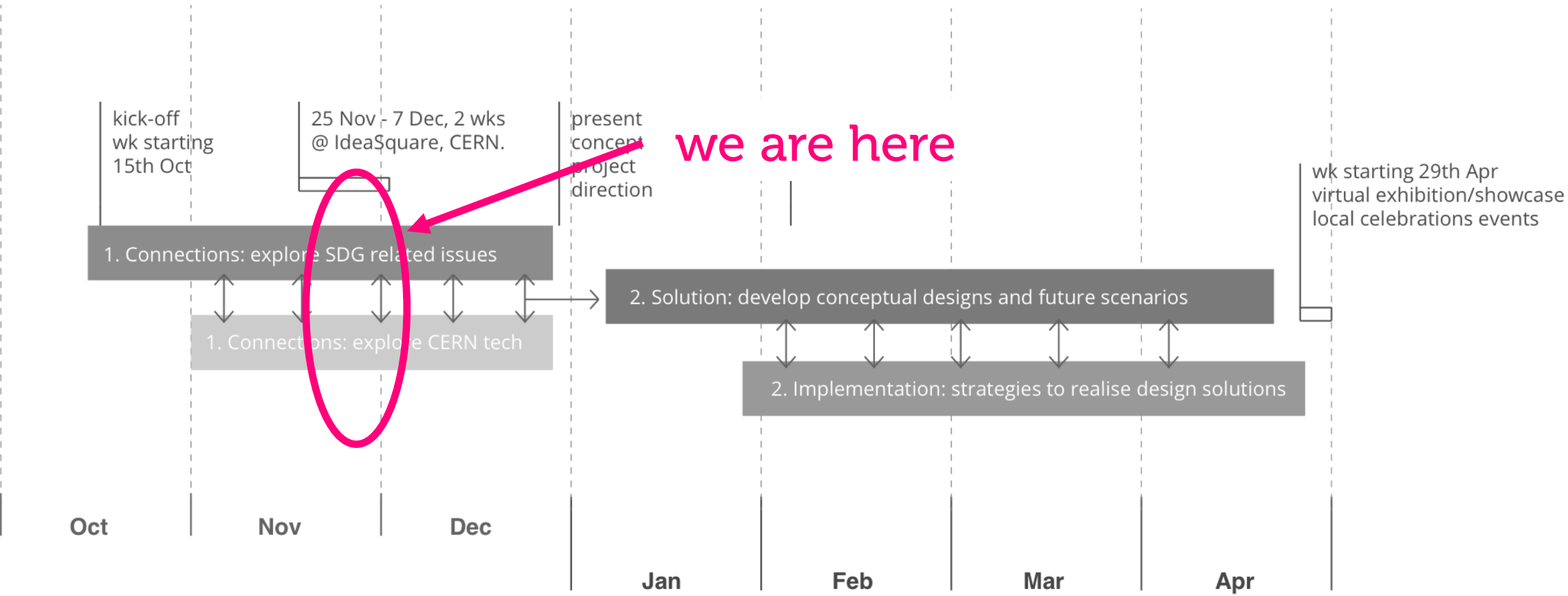
A³ CBI
2018 partners



PORTO
DESIGN
FACTORY



Timeline – 7 month program



Develop solutions for 2030



We want you to help us imagine...

4 teams

5 minute presentations, 1 ideas per team

5 minutes for comments & feedback

