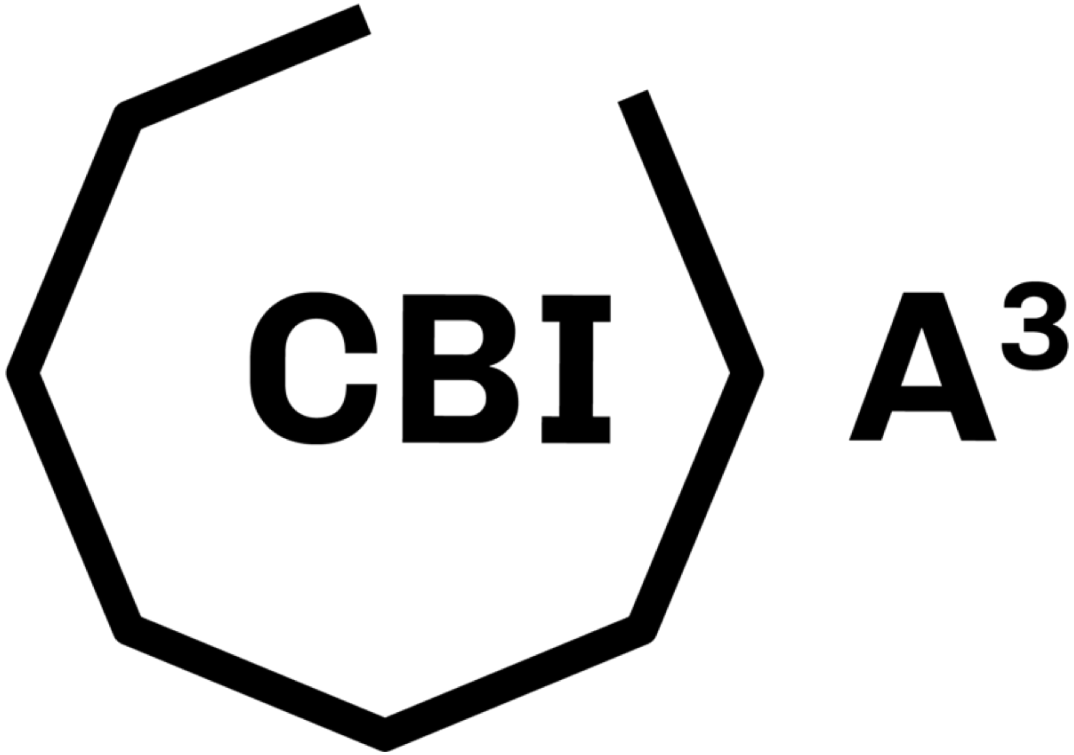
Welcome to



Challenge Based Innovation

The first CBI experiment in 2013/14

connecting students to CERN researchers

CERN

Ideas

Idea^s people

**Santeri is currently IdeaSquare's CBI program coordinator*

Hans Hagenes Boe

Markus Nordberg

Santeri Palomaki

Tuuli Utriainen

2019 - 2020 partners

DESIGN FACTORY MELBOURNE

PACE UNIVERSITY NYC DESIGN FACTORY

P.PORTO PORTO DESIGN FACTORY

inno space DESIGN FACTORY MANNHEIM

DESIGN
FACTORY
MELBOURNE

Christine Thong

Aaron Down

CBI A³

DFGN

SWINBURNE

CERN Ideas

PACE UNIVERSITY
NYC DESIGN FACTORY

Andreea Cotoranu

inno space
DESIGN FACTORY MANNHEIM

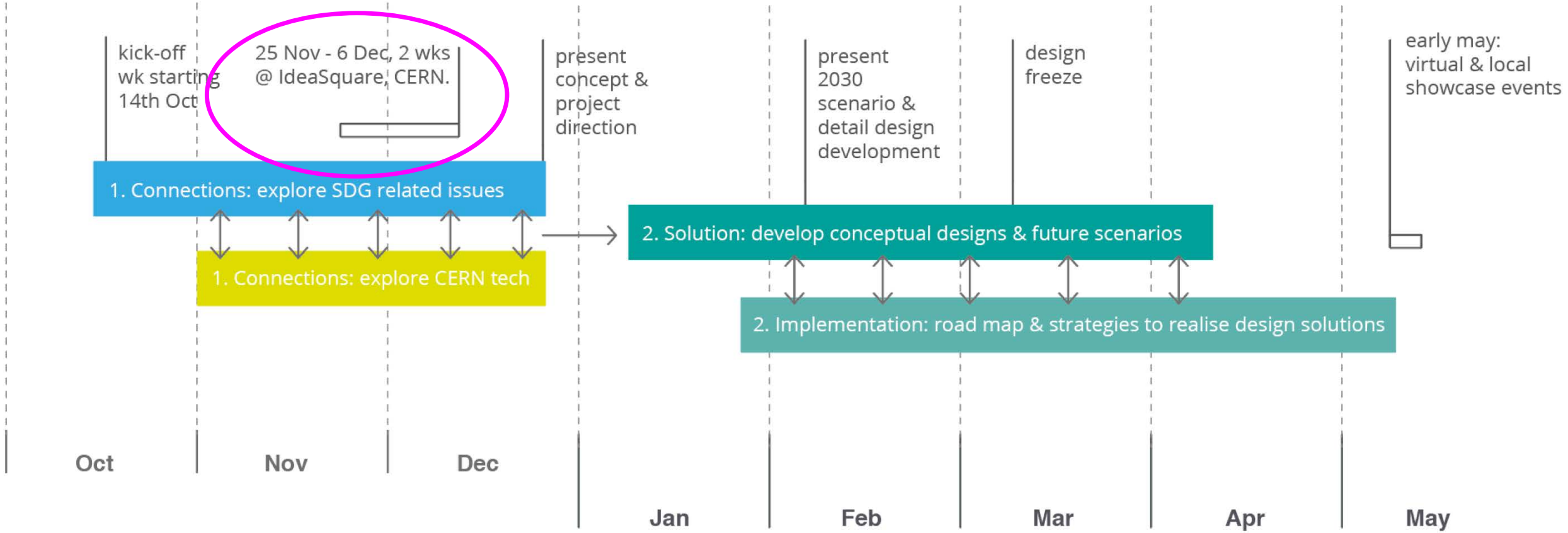
Catarina Batista

Kirstin Kohler

SUSTAINABLE DEVELOPMENT GOALS

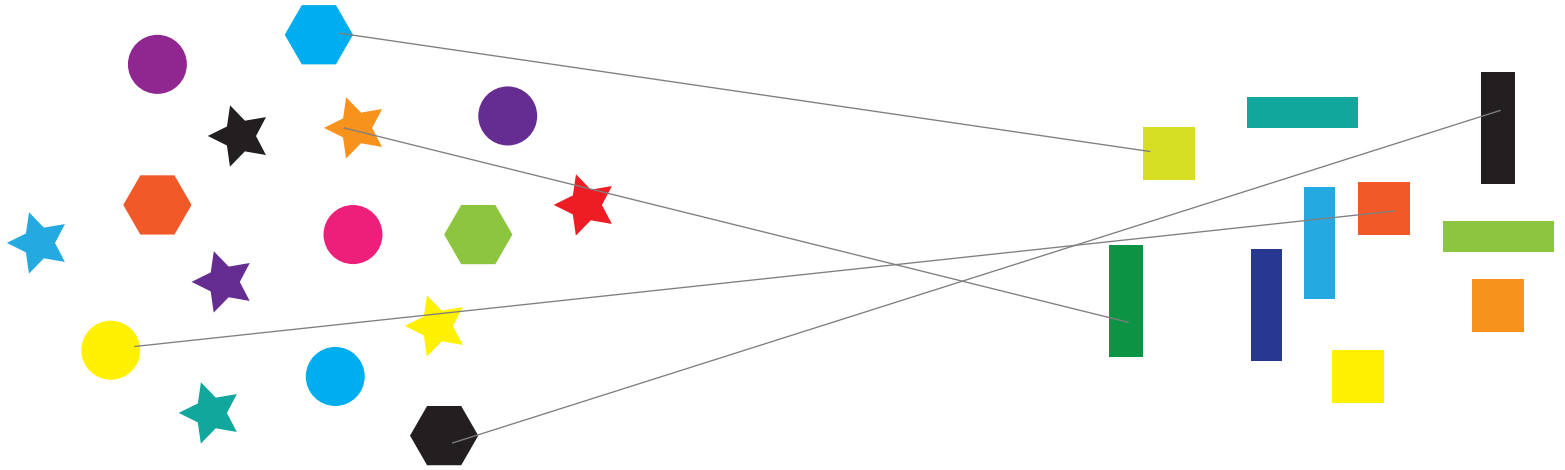
SUSTAINABLE DEVELOPMENT GOALS
1 NO POVERTY
2 ZERO HUNGER
3 GOOD HEALTH AND WELL-BEING
4 QUALITY EDUCATION
5 GENDER EQUALITY
6 CLEAN WATER AND SANITATION
7 AFFORDABLE AND CLEAN ENERGY
8 DECENT WORK AND ECONOMIC GROWTH
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
10 REDUCED INEQUALITIES
11 SUSTAINABLE CITIES AND COMMUNITIES
12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION
14 LIFE BELOW WATER
15 LIFE ON LAND
16 PEACE, JUSTICE AND STRONG INSTITUTIONS
17 PARTNERSHIPS FOR THE GOALS
SUSTAINABLE DEVELOPMENT GOALS

Overview


kick-off
wk starting
14th Oct
25 Nov - 6 Dec, 2 wks
@ IdeaSquare, CERN.
present
concept &
project
direction
present
2030
scenario &
detail design
development
design
freeze
early may:
virtual & local
showcase events
1. Connections: explore SDG related issues
1. Connections: explore CERN tech
2. Solution: develop conceptual designs & future scenarios
2. Implementation: road map & strategies to realise design solutions
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May

1. Connections:

Identified problems



CERN technology

Outcome:
define project direction – local challenge related to a SDG 3 with scope for CERN tech in the solution

CBI A^3 jam is about...

immerse in CERN context

explore project ideas

embrace innovation culture

have fun, experiment & learn

share global perspectives

SHARING THE PASSION FOR DOING

CBI A³ jam 2019

Daily warm-ups!

End of day reflections

1 hour lunch break

Mixture of presentations & team time (structured & freestyle)

CBI A3 Jam - Week 1

* Schedule is dynamic & subject to ongoing tweaks & updates

TIME START	Min	MONDAY
		Introduction day
8:30:00 AM	30	
9:00:00 AM	30	teaching team meeting 1.5hrs
9:30:00 AM	30	
10:00:00 AM	30	
10:30:00 AM	30	Welcome to CBI A3 Jam & icebreaker exercise. CERN site tour
11:00:00 AM	30	
11:30:00 AM	30	
12:00:00 PM	30	Lunch at R1
12:30:00 PM	30	
1:00:00 PM	30	
1:30:00 PM	30	**Intro IdeaSquare & CERN**
2:00:00 PM	30	2 week program
2:30:00 PM	30	
3:00:00 PM	30	break
3:30:00 PM	30	KT - technology & how to talk to CERNies
4:00:00 PM	30	
4:30:00 PM	30	
5:00:00 PM	30	Set goals for week/s, how to curate conversations with people at CERN
5:30:00 PM		
		6:30pm food at IdeaSquare + create a community photo board

TIME START	Min	TUESDAY
		ideation day 1
8:30:00 AM	30	Teaching Team Meeting 30 min
9:00:00 AM	30	9-9:15, warm up and instructions for the day
9:30:00 AM	30	**2:00-3:30 Keynote: Markus Nordberg. Why we are here**
10:00:00 AM	30	
10:30:00 AM	30	
11:00:00 AM	30	Rapid Ideation 1: multi-verse thinking (Pablo)
11:30:00 AM	30	
12:00:00 PM	30	
12:30:00 PM	30	lunch
1:00:00 PM	30	
1:30:00 PM	30	Neal Stone, Design Innovation session?
2:00:00 PM	30	
2:30:00 PM	30	
3:00:00 PM	30	
3:30:00 PM	30	
4:00:00 PM	30	Rapid Ideation 2: SDG's and futures thinking
4:30:00 PM	30	
5:00:00 PM	30	
5:30:00 PM		Finish, reflect, information for tomorrow

TIME START	Min	WEDNESDAY
		ideation day 2
8:30:00 AM	30	8:30-, warm up and instructions for the day
9:00:00 AM	30	Cloud Chamber
9:30:00 AM	30	
10:00:00 AM	30	
10:30:00 AM	30	Rapid Ideation 3: CERN technology
11:00:00 AM	30	
11:30:00 AM	30	
12:00:00 PM	30	
12:30:00 PM	30	Lunch
1:00:00 PM	30	
1:30:00 PM	30	Ideation session 4: SDG opportunity + CERN technology combined
2:00:00 PM	30	
2:30:00 PM	30	
3:00:00 PM	30	
3:30:00 PM	30	*short break*
4:00:00 PM	30	**CMS 5-6pm (ready to leave 4:15pm)**
4:30:00 PM	30	
5:00:00 PM	30	
5:30:00 PM		Finish, reflect, information for tomorrow

TIME START	Min	THURSDAY
		ideation day 3
8:30:00 AM	30	Teaching Team Meeting 30 min
9:00:00 AM	30	9-9:15, warm up and instructions for the day
9:30:00 AM	30	CERN Coaches - brief stu
10:00:00 AM	30	Ideation session 5: Card mix-up
10:30:00 AM	30	
11:00:00 AM	30	
11:30:00 AM	30	
12:00:00 PM	30	
12:30:00 PM	30	Lunch
1:00:00 PM	30	
1:30:00 PM	30	Energiser "CERN slam - drop the particle"
2:00:00 PM	30	
2:30:00 PM	30	
3:00:00 PM	30	
3:30:00 PM	30	idea development and prepration for pop-up
4:00:00 PM	30	
4:30:00 PM	30	
5:00:00 PM	30	R1 Pop - Up CERN scientists/stakeholders & feedback on selection of ideas
5:30:00 PM		Finish, reflect, information for tomorrow
		6:30 Students cook communal dinner at IdeaSquare

TIME START	Min	FRIDAY
		ideation day 4
8:30:00 AM	30	Teaching Team Meeting 30 min
9:00:00 AM	30	9-9:15, warm up and instructions for the day
9:30:00 AM	30	Ideation Session 6: Team Switches, facilitated ideation
10:00:00 AM	30	
10:30:00 AM	30	
11:00:00 AM	30	
11:30:00 AM	30	
12:00:00 PM	30	
12:30:00 PM	30	Lunch
1:00:00 PM	30	
1:30:00 PM	30	Ideation session 7: future scenarios
2:00:00 PM	30	
2:30:00 PM	30	
3:00:00 PM	30	idea development and prepration for pop-up
3:30:00 PM	30	
4:00:00 PM	30	
4:30:00 PM	30	R1 Pop - Up CERN scientists/stakeholders & feedback on selection of ideas
5:00:00 PM	30	
5:30:00 PM		Finish, information for tomorrow

TIME START	Min	SATURDAY
		wrap up week 1
8:30:00 AM	30	
9:00:00 AM	30	
9:30:00 AM	30	
10:00:00 AM	30	Teaching Team Meeting 30 min
10:30:00 AM	30	Arrive and Instructions. 10:30-10:45 warm-up
11:00:00 AM	30	ideas co-hack (some CERN coaches may be present)
11:30:00 AM	30	
12:00:00 PM	30	
12:30:00 PM	30	Lunch
1:00:00 PM	30	
1:30:00 PM	30	
2:00:00 PM	30	
2:30:00 PM	30	
3:00:00 PM	30	
3:30:00 PM	30	
4:00:00 PM	30	present outcomes
4:30:00 PM	30	
5:00:00 PM	30	
5:30:00 PM		
7:00 pm		FONDUE - "Drinking" Cheese in Geneva

Todays schedule:

10:30:00 AM	30	Welcome to CBI A3 Jam & icebreaker exercise. CERN site tour
11:00:00 AM	30	
11:30:00 AM	30	
12:00:00 PM	30	Lunch at R1
12:30:00 PM	30	
1:00:00 PM	30	
1:30:00 PM	30	**Intro IdeaSquare & CERN**
2:00:00 PM	30	2 week program & technology-driven design process overview
2:30:00 PM	30	
3:00:00 PM	30	break
3:30:00 PM	30	KT - technology & how to talk to CERNies
4:00:00 PM	30	
4:30:00 PM	30	
5:00:00 PM	30	Set goals for week/s, curating conversations, reflections and documenting learning
5:30:00 PM		
		6:30pm food at IdeaSquare + create a community photo board

Communication:

WhatsApp group

https://chat.whatsapp.com/CFpsSlc5f4M8dS0uqSW2VE