

Welcome to CBI

A³



Challenge Based Innovation

The first CBI experiment in 2013/14

connecting students to CERN researchers



Challenge
Based
Innovation



Idea^s





Idea^s people



Jani Kalasniemi



Markus Nordberg



Harri Toivonen*



Santeri Palomaki*



Tuuli Utriainen

*** Harri & Santeri are our main CBI³ contacts*



A³ CBI
2018 partners





Christine Thong



Aaron Down



**PORTO
DESIGN
FACTORY**



José Reis



Andreea Cotoranu



Rick Kline



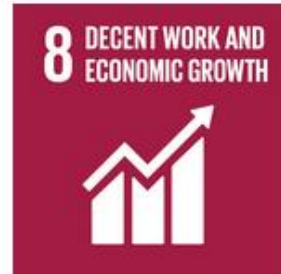
Catarina Batista



Peter Kaiser



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

CBI A³

Builds on previous CBI experiments

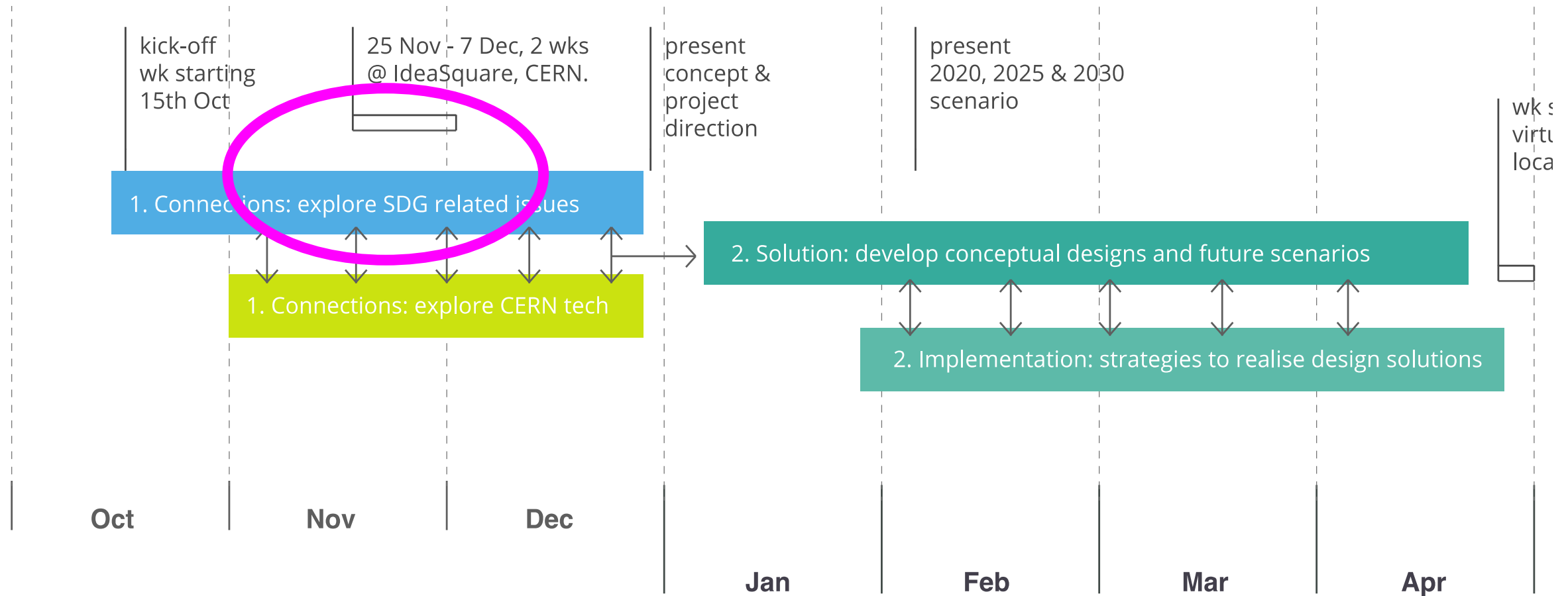
Linking **CERN** technology to social needs by focusing on UN SDG (2030)

Developing conceptual design solutions for the future

Using Design Innovation Methods

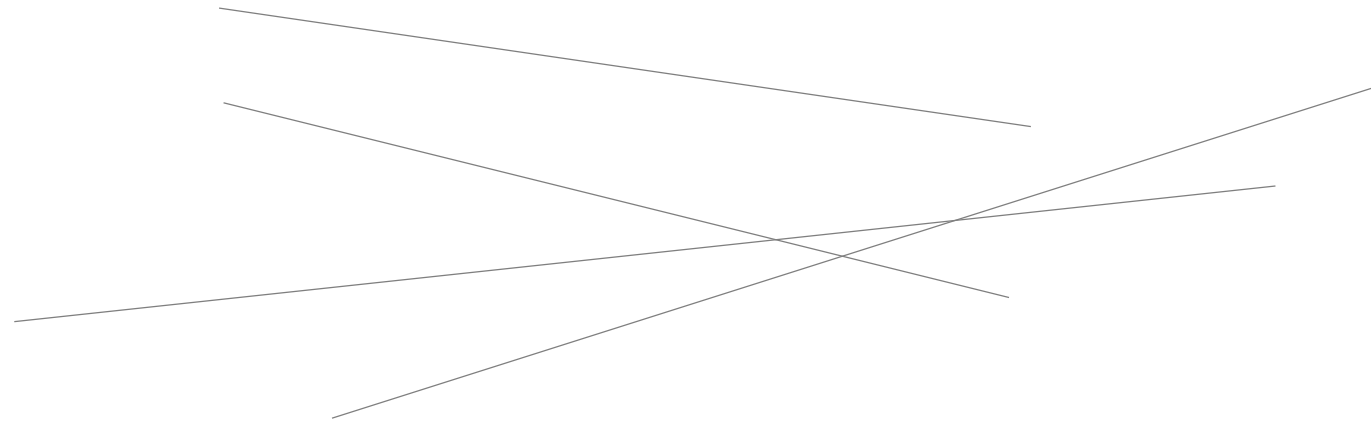


CBI A³ program overview



1. Connections:

Identified
problems



CERN
technology

Outcome:

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

CBI A³ 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 - Week

* Schedule is dynamic & subject to ongoing tweaks & updates

TIME START	Min	MONDAY	TIME START	Min	TUESDAY	TIME START	Min	WEDNESDAY	TIME START	Min	THURSDAY	TIME START	Min	FRIDAY	TIME START	Min	SATURDAY		
		Introduction day						ideation day 1			ideation day 2			ideation day 3			wrap up week 1		
8:30:00 AM	30	Teaching Team Meeting 30 min	8:30:00 AM	30	IdeaSquare Curious Breakfast	8:30:00 AM	30	Teaching Team Meeting 30 min	8:30:00 AM	30	Teaching Team Meeting 30 min	8:30:00 AM	30	Teaching Team Meeting 30 min	8:30:00 AM	30			
9:00:00 AM	30	* the intention is the students will create a video to document the 2 week experience, briefing at the beginning	9:00:00 AM	30	9-9:15, warm up and instructions for the day	9:00:00 AM	30	9-9:15, warm up and instructions for the day	9:00:00 AM	30	9-9:15, warm up and instructions for the day	9:00:00 AM	30	9-9:15, warm up and instructions for the day	9:00:00 AM	30			
9:30:00 AM	30	teaching team meeting 30 min	9:30:00 AM	30		9:30:00 AM	30	Knowledge Transfer office - overview of CERN technology	9:30:00 AM	30	Ideation session 5: Card mix-up	9:30:00 AM	30	Team Switch, facilitated 3 hour jam	9:30:00 AM	30			
10:00:00 AM	30		10:00:00 AM	30		10:00:00 AM	30		10:00:00 AM	30		10:00:00 AM	30		10:00:00 AM	30	Teaching Team Meeting 30 min		
10:30:00 AM	30		10:30:00 AM	30	Ideation session 1: Future Scenarios (guest Design facilitator, Neal Stone)	10:30:00 AM	30	Ideation session 3: SDG ideas + CERN technology	10:30:00 AM	30		10:30:00 AM	30		10:30:00 AM	30	10:30:00 AM	30	Arrive and Instructions. 10:30-10:45 warm-up
11:00:00 AM	30		11:00:00 AM	30		11:00:00 AM	30		11:00:00 AM	30		11:00:00 AM	30		11:00:00 AM	30	11:00:00 AM	30	co-hack (some CERN coaches may be present)
11:30:00 AM	30	Students arrive at IdeaSquare	11:30:00 AM	30		11:30:00 AM	30		11:30:00 AM	30		11:30:00 AM	30		11:30:00 AM	30	11:30:00 AM	30	
12:00:00 PM	30	Welcome - Instructions & icebreaker exercise. CERN site tour	12:00:00 PM	30		12:00:00 PM	30		12:00:00 PM	30		12:00:00 PM	30	present switch Outcomes	12:00:00 PM	30	12:00:00 PM	30	
12:30:00 PM	30		12:30:00 PM	30	Lunch	12:30:00 PM	30	Lunch	12:30:00 PM	30	Lunch	12:30:00 PM	30	Lunch	12:30:00 PM	30	12:30:00 PM	30	Lunch
1:00:00 PM	30	Lunch at R1	1:00:00 PM	30		1:00:00 PM	30		1:00:00 PM	30		1:00:00 PM	30		1:00:00 PM	30	1:00:00 PM	30	
1:30:00 PM	30		1:30:00 PM	30	SDG discussion - Geneva Guerin	1:30:00 PM	30	Ideation session 4: tech opportunity card starting point	1:30:00 PM	30	idea development and prepration for pop-up	1:30:00 PM	30	idea development and prepration for pop-up	1:30:00 PM	30	1:30:00 PM	30	
2:00:00 PM	30		2:00:00 PM	30		2:00:00 PM	30		2:00:00 PM	30		2:00:00 PM	30		2:00:00 PM	30	2:00:00 PM	30	
2:30:00 PM	30	Intro IdeaSquare & CERN,	2:30:00 PM	30		2:30:00 PM	30	Keynote: Markus Nordberg. Why we are	2:30:00 PM	30		2:30:00 PM	30		2:30:00 PM	30	2:30:00 PM	30	
3:00:00 PM	30		3:00:00 PM	30	short break	3:00:00 PM	30		3:00:00 PM	30		3:00:00 PM	30		3:00:00 PM	30	3:00:00 PM	30	
3:30:00 PM	30		3:30:00 PM	30	Ideation session 2: SDG opportunity card starting point	3:30:00 PM	30		3:30:00 PM	30		3:30:00 PM	30		3:30:00 PM	30	3:30:00 PM	30	
4:00:00 PM	30		4:00:00 PM	30		4:00:00 PM	30		4:00:00 PM	30		4:00:00 PM	30		4:00:00 PM	30	4:00:00 PM	30	present outcomes
4:30:00 PM	30	2 Week Program Overview, technology-driven design process overview	4:30:00 PM	30		4:30:00 PM	30		4:30:00 PM	30	R1 Pop - Up CERN scientists/stakeholders & feedback on selection of ideas	4:30:00 PM	30	R1 Pop - Up CERN scientists/stakeholders & feedback on selection of ideas	4:30:00 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	5:00:00 PM	30		5:00:00 PM	30		5:00:00 PM	30		5:00:00 PM	30		5:00:00 PM	30	5:00:00 PM	30	
5:30:00 PM			5:30:00 PM		Finish, reflect, information for tomorrow	5:30:00 PM		Finish, reflect, information for tomorrow	5:30:00 PM		Finish, information for tomorrow	5:30:00 PM		Finish, information for tomorrow	5:30:00 PM		5:30:00 PM		
											Students cook dinner at IdeaSquare								
		6:30pm food at IdeaSquare + create a community photo board			Teaching Team Meeting 30 min			Teaching Team Meeting 30 min			Teaching Team Meeting 30 min			Teaching Team Meeting 30 min	7:00 pm			FONDUE - Drinking Cheese in Geneva	



CBI jam 2018

Daily warm-ups!

End of day reflections

1 hour lunch break

Mixture of presentations & team time (structured & freestyle)

Today's schedule:

12:00:00 PM	30	Welcome to CBI A3 Jam & icebreaker exercise. CERN site tour
12:30:00 PM	30	
1:00:00 PM	30	Lunch at R1
1:30:00 PM	30	
2:00:00 PM	30	
2:30:00 PM	30	Intro IdeaSquare & CERN
3:00:00 PM	30	
3:30:00 PM	30	
4:00:00 PM	30	2 week program introduction & technology-driven design process overview
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



Communication:

WhatsApp group

<https://chat.whatsapp.com/lbDzkoJExq2DK5Cby6fRu2>

