



IdeaSquare student programmes

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Summary of student programmes



- There are some similarities we strive for in all courses
 - Multidisciplinary teams creating
 - exponential innovation for
 - the future of humankind.
- The starting point is an SDG, technology (ATTRACT or CERN), or sponsor challenges, or a mix of these.
- Duration 1 week to 8 months, 10-50 students per course, final deliverables from inspirational videos to functioning prototypes to concept papers.

2021 – challenges continued

- Students still mostly not able to come to IdeaSquare
- Lower interest in online courses compared to 2020
 - KT run courses cancelled
 - Smaller student populations participating on courses

Course name	Students	Design	Business	Engineer	Other	Female	Male	Staff	universities
RCA	In London								1
ZHDK	8	4			4	8		4	1
I4C	64	9	4	29	22	30	34	5	3
HPD	18		3	11	4	3	15	2	3
CREA Geneve	14	14				9	5	1	1
Laurea Bootcamp	Cancelled								
CESP	Cancelled								
Multiverse	20		1	9	10	11	9	2	2
CBI Fusion Point	Moved to	Spring 22							
CBI Tampere	Cancelled								
CBI A^3	12	4		4	4	7	5	7	3
OPER.CBI	17	2	2	5	8	9	8	5	3
Impact Innovation	27	2	5	17	2	6	21	3	1
CROWD4SDG	27				27	18	9	4	
Total	207	35	15	75	81	101	106	33	18
% of total		17%	7%	36%	39%	49%	51%		

2021 - successes

- One group at IdeaSquare: 7 students
- Visit to Torino for Innovation for Change Final Gala
- 16 participants from CERN outside IdeaSquare
 - mentoring, prototyping support, and open discussions
- Back-up plan to use HIVE as an additional space to combat limitations
- Teaching staff remains keen to organise even more visits to IdeaSquare than before
- More active discussion around the entire student course organisation with teaching staff
- Crowd4SDG provided an opportunity to test radically different programmes with similar aims





2022 – new opportunities



- Continue to strengthen ties within CERN
 - Connection established with HR – present IdeaSquare at newcomers events when they kick-off physically
 - Open doors event at IdeaSquare
- ATTRACT academy kick-off
 - New student programmes
 - Opportunity to test new methods with existing programmes
 - New collaborations enhancing knowledge transfer between partner institutions
 - cross check the recommendations otherwise too
- Terraforming
 - Interest to start prototyping the new terraforming course concept: a new method for moving students from incremental to exponential innovation
- Continue with online interactions as well
 - More flexibility and timely interventions
- A second project associate focused on coordinating student programmes – more time available for development



Reflection on the situation



In many ways 2021 proved to be more challenging than 2020. Both students and teachers seemed eager to make the best out of a bad situation when it was new, but that enthusiasm has faded.

In most places students are back to face to face teaching, and very eager to travel to CERN.

2022 is already looking brighter!

- One visit to Barcelona done: students were happy to see an online talk from IdeaSquare even during a physical event.
- IdeaSquare prototyping facilities have been improved for two years and there are new connections with CERNians ready to be tapped into.

Thank you!

