

# ACISS

ATTRACT CERN IdeaSquare  
Summer School

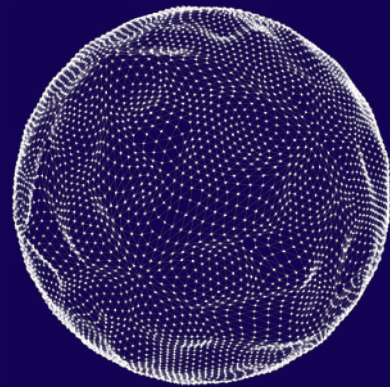
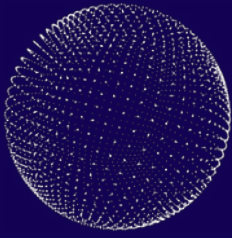
## PUBLIC SUMMARY

ATTRACT technologies developed during fundamental physics research are potentially valuable in other applications and domains. To accelerate the fulfilment of this potential, each year, 75 students from multiple fields (e.g. Aerospace, Design, Social Studies, Astronomy to Architecture, Health Care, Business Management and Strategic innovation) and universities (the Netherlands, Finland & Spain) work in interdisciplinary teams to explore the potential societal value (e.g. towards the challenges of UN Sustainable Development Goals) of these technologies and come up with new service solutions.

Besides technology experts and practitioners from industry, the liaison organisation (CERN IdeaSquare) contributes widely by facilitating each course at CERN with space, knowledge, network and inspiration. During the programme interactive lectures and design sprints, a combination of Design Thinking and Entrepreneurial Skills will be followed. This approach is characterised by a continuous process of reframing, ideating and prototyping with a human-centred mindset. The course methodology enables future-oriented, user-centric, and experimental concept development of innovative solutions.

Each course approaches the design challenge from different angles (e.g. starting from the technology, the human perspective or a blend of both) and therefore have other perspectives. Therefore, collaboration, knowledge exchange and peer-to-peer learning within this consortium is established on three levels: (1) each university individually with the liaison organisation (CERN IdeaSquare) and within the consortium on (2) teacher- and (3) student-level.

The students are encouraged to immerse themselves in the context, empathise with the users, learn-in-context and to take a critical, but nurturing stand towards personal reasoning as well as the reasoning of peers while searching for breakthrough innovations in new domains.



© Copyright ATTRACT

All rights, amongst which the copyright, on the materials described in this document rest with the original authors of the text, except where referenced. Without prior permission in writing from the authors and the Fundación Esade, this document may not be used, in whole or in part, for the lodging of claims, for conducting proceedings, for publicity and/or for the benefit or acquisition in a more general sense.

### Legal Disclaimer

The European Commission's support does not constitute an endorsement of the contents, which only reflect the views of the author. The Commission is not responsible for any use of the information contained therein.



This project has received funding from the European Union's Horizon 2020 research and innovative programme under grant agreement No. 101004462