



GUIDELINES FOR PARTICIPATING IN THE IDEASQUARE@CERN PILOT PROJECT

IdeaSquare@CERN is a pilot project hosting detector R&D and upgrade projects and facilitating cross-disciplinary MSc-student programmes in a dedicated building at CERN, next to the Globe of Innovation (B3179).

Purpose of IdeaSquare@CERN

The purpose of IdeaSquare is to offer support technical and administrative support for detector R&D and upgrade projects, currently funded by the EU. This support includes:

- providing access to rapid prototyping facilities;
- offering meeting space and temporary work space for the project partners;
- organizing thematic technical workshops cutting across the scope of the different projects;
- injecting cross-disciplinary MSc student teams working on specific assignments aiming at having an impact also outside the domain of particle physics;
- looking for potential future industrial partners;
- assisting in preparing and submitting future EU-funding applications related to detector R&D and upgrades.

In Phase 1, priority is given to the LHC experiments (ATLAS, CMS) who are contributing to IdeaSquare which will be used as a demonstrator to the EU for funding a wider detector R&D and imaging initiative called ATTRACT¹. If proven successful, and if needed, IdeaSquare could also host generic detector R&D initiatives, similar to the efforts made in the early 1990s at CERN (DRDC program).

Operation principles

Initially, IdeaSquare hosts two ATLAS EU-projects (TALENT, Edusafe) and hopefully two from CMS (yet to be approved). All hosted projects agree to the following guiding principles:

- 1) The projects are related to detector R&D deemed necessary by the collaboration managements for future upgrades;
- 2) The projects are transparent and accessible within the collaborations in terms of information flow and exchange of ideas;
- 3) The projects include a strong educational component as well as industrial co-development and partnership having in mind new ideas beyond the scope of particle physics, alone (i.e. not a traditional subcontractor relationship);
- 4) The projects follow the open access philosophy adopted by IdeaSquare where the industrial partners are left free to utilize the results of the project without claims from the collaboration and where the collaborations are left free to utilize the results for their internal detector R&D and development purposes without claims from the industrial partners;

¹ For more information, please consult: www.attract-eu.org.

- 5) The projects agree to share the IdeaSquare facilities and interact with each other and across scientists, engineers and students;
- 6) The projects agree to host visiting CBI and other cross-disciplinary student teams subject to a case-by-case agreement specifying the scope and level of involvement implied;
- 7) The projects agree to host short (VIP) visits as requested by CERN;
- 8) The projects subscribe to CERN rules and regulations related to the safe operation and effective use of the IdeaSquare building.

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