

EISCAT_3D in the landscape of research infrastructures in Europe

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In recent years EISCAT has participated in a number of collaborations between research infrastructures in the environmental domain in Europe. Two of the ongoing collaborations are ENVRIplus and COOP+, which are both funded the European Commission through the Horizon 2020 programme. The aims of these collaborations have been to ensure that the EISCAT_3D system will fit naturally into the landscape of research infrastructures in Europe when it is operating, and that this landscape itself will be easy to navigate. The way towards these goals are to identify common solutions for information technology issues related to data discovery and use, workflow documentation, data citations, methodologies, service virtualisation, and user characterisation and interaction as well as to develop guidelines for harmonised policies for physical access to the infrastructures and their instrumentation. In addition, there is ongoing analysis of the conceptual framework to address complex global challenges using a cross-disciplinary approach. The combination of the strengths of EISCAT_3D with those of other research infrastructures will thus enhance our understanding of the global environmental challenges.