

## Transnational Access to European Ion Beam Centers:

### RADIATE and ReMade@ARI

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Transnational access to research infrastructures plays a vital role in the European research landscape, enabling scientist from all over the world to travel and perform experiments at European large-scale facilities. Following former European Union (EU) projects, i.e., AIM, SPIRIT and ITS LEIF, the project RADIATE, Research and Development with Ion Beams – Advancing Technology in Europe, transnational access to 13 ion beam centers has been provided free of charge in the period of 2019 to mid of 2023. Important aims of the project are to further increase the visibility and the awareness of ion beam facilities and to create a lively web portal as a platform for information on ion beam research in Europe [1].

A further important objective of RADIATE is to achieve long-term sustainability of the proposed actions and thereby to transform the European national ion beam centers to a coherent and well aligned network of ion beam facilities sharing one common mission for providing researchers excellent capabilities to perform their research with ion beams. One important step in this direction has already been taken by opening RADIATE for other European ion beam centers as associate partners. In this larger context, RADIATE has established itself as the network of European ion beam centers and joined the “network of networks” ARIE, Analytical Research Infrastructures in Europe [2]. ARIE represent now more than 120 research infrastructures providing access to photons, laser, ion, protons, high magnetic field, neutron, and electron facilities. Two joint position papers addressing the five Horizon Europe missions and viral and microbial threats have already been published [3] and joint project were submitted and are planned.

One of these projects, ReMade@ARI, started in September 2022 und will provide as “a hub for materials research” trans-national access to 46 facilities of the different ARIE networks is provided for the development and analysis of materials for the circular economy [4].

[1] <https://www.ionbeamcenters.eu>

[2] <https://arie-eu.org>

[3] Analytical Research Infrastructures in Europe: A key resource for the five Horizon Europe Missions, Analytical Research Infrastructures in Europe: Viral and microbial threats

[4] <https://remade-project.eu>