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Superconductivity Global Alliance (ScGA) European Strategy Input

This document presents a rationale for CERN, and the broader High Energy Physics (HEP) community, to engage strategically with the Superconductivity Global Alliance (ScGA). Building on HEP's historical leadership in superconducting technologies and aligned with future needs, we outline three primary motivations for engagement:

1. Research and development efforts enhance collaboration with the broader applied superconductivity community, whose goals align with those of HEP.
2. Enhance the societal impact of superconductivity R&D in HEP, leveraging the ScGA's network of partners.
3. Attract additional institutional and private funding to accelerate development for both HEP and broader applications.

In association with the ScGA, the HEP community can more effectively advocate for more significant investment and collaboration in the development of superconducting technologies, benefiting both HEP's future experiments and contributing to key societal impact areas, towards increased European Competitiveness. This proposal outlines an advocacy plan, including events and strategic documents, to achieve the aligned goals of the ScGA and HEP.

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