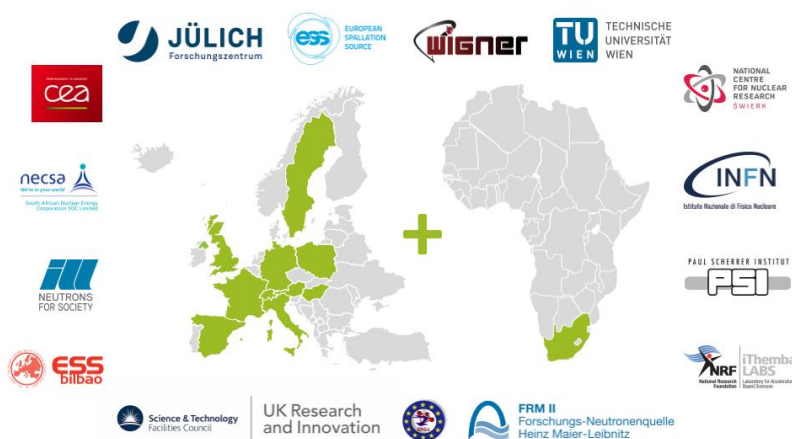


Overview

The European Spallation Source (<https://europeanspallationsource.se/>) under construction in Lund, Sweden, is a partnership of countries committed to the goal of building and operating the world leading facility for research using neutrons. The European Spallation Source (ESS) facility's unique capabilities will both greatly exceed and complement those of today's leading neutron sources, enabling new opportunities for researchers across the spectrum of scientific discovery, including materials and life sciences, energy, environmental technology, cultural heritage and fundamental physics. BrightnESS² (<https://brightness.ess.se/>) is an integrated program in support of long-term sustainability of ESS, its community, and the network of neutron sources in Europe. To emphasize the importance of access to global infrastructure and global networking of which the BrightnESS² program provide, the South African consortium under the leadership of DST (<https://www.dst.gov.za/>) is exploring options to participate in this program.

South African interest in contributing in the BrightnESS² program stems from the fact that it has a long history of research using neutrons provided by the two key national facilities, NRF/iThemba LABS (<https://tlabs.ac.za/>) and Necsca (<http://www.necsa.co.za/>). Given the focus areas in these facilities, there is always a need for SA researchers to have access to other neutron facilities that can provide alternatives or enhanced capabilities.

This planned 2 day workshop is aimed at South African based researchers who are interested in exploring the possibility of using the ESS facilities in the future.



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Quick facts

Timeline

Jan 2019 – Dec 2021

Budget

4 999 592.50 €

15 Partners

11 Countries