



6th Workshop **Energy for Sustainable Science** at Research Infrastructures

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The 6th workshop “Energy for Sustainable Science at Research Infrastructures (ESSRI) 2022”, was jointly organised at the ESRF, over two days by CERN, DESY, ERF member laboratories, ESRF, ESS, PSI, and in cooperation with the IFAST programme. ESRF was very happy to host this important workshop, particularly in consideration of the fact that we just celebrated (25 August 2022) two years of successful operation of the ESRF - Extremely Brilliant Source, a new generation of high-energy synchrotron light source with many new important features including a major reduction of energy consumption.

ESSRI 2022 brought together international sustainability and energy experts, stakeholders and representatives from research facilities and future research infrastructure projects worldwide, with the purpose of identifying the challenges, best practices and policies to develop and implement sustainable solutions at research infrastructures. This includes the increase of energy efficiencies, energy system optimizations, storage and savings, implementation and management issues as well as the review of challenges represented by potential future technological solutions and the tools for collaboration.

Most research infrastructures are already engaged in programmes to reduce their carbon footprint. However, the recent energy crisis, with its soaring operating costs, has highlighted the need to accelerate this approach and save even more energy. Many of the facilities represented are looking to the long-term future, and it is vital that this is done with energy efficiency programmes in mind.

Close to hundred participants, including five local students were present onsite. The workshop was also broadcast on the web in real time, including more than 40 additional participants. Although

there was a large contribution from European countries, this workshop is international, and we were happy to have participants and speakers from all over the world, especially from the USA and Japan. The workshop series 'Energy for Sustainable Science at Research Infrastructures' is a biannual event organised in various locations. Exceptionally, the sixth edition of the series was selected as one of the key events of 'Grenoble: European Green Capital 2022 to enhance Grenoble's engagement in sustainability. The next edition will organized in 2024 by CIEMAT in Madrid, Spain.

