①SSE

The International Society for Sample Environment

A bottom up approach to collaboration

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• 15 corporate members

Hall Scientific

Materializing your ideas

• Opportunity to showcase their products

Advanced Research Systems

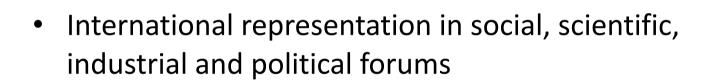
• Direct exchange with institutional members











strengthen the position of sample



• promote communication and information exchange

environment technologies at scattering facilities.



 foster the training of young technicians, engineers and researchers

OSSE International Workshops

- Biannual workshops
- News from the member facilities
- Latest developments in sample environment
- Scientific motivators and trends
- 1st Workshop in 1999
- 10 (+ 1 virtual) workshops so far

11th International Workshop on Sample Environment 28 Aug. – 2 Sept. 2022 in Nasu, Japan Hosted by J-PARC



SSE



- Biannual schools
- Each school hosted by a facility
- Lectures and hands-on practical
- Fosters exchange of technical staff
- Cross-facility training



Dat	es	ISSE Training Schools	Organiser	Location
28. 201	Oct. – 1. Nov. 9	<u>3rd International Training School on Sample Environment at</u> Scattering Facilities	HZB	Berlin, Germany
13 -	— 17 Nov. 2017	2 nd International Training School on Sample Environment at Scattering Facilities	NCNR	Gaithersburg, MD, USA
23 -	— 27 Feb. 2015	1 st International Training School on Sample Environment at Neutron Scattering Facilities	ISIS	ISIS, Oxfordshire, UK



- ideal platform to exchange topics of common interest
- shape the direction of future developments
- oversee the activities within our community
- 1 representative from each facility members

Sample Environment Communication Protocol

development of the standard communication protocol for sample environment equipment SECoP.

Soft Matter Sample Environment Equipment

sample environment requirements from the soft matter and life science communities. development of new SE and improve cross facility access.



Helium Stewardship

develop and promote a monitoring system for liquid helium recovery

Sample Environment Database

discuss a common database on the available SE Equipment and material properties



- Direct exchange between our members
- Secure channel of exchange only accessible to registered members
- Very useful for the "on floor" business
- Possibility to gather information and experience from other facilities

Forum	Торіс	Post
Gas Sorption	4	13
Low Temperature	47	271
High Temperature	8	50
High Pressure	8	37
High Magnetic Field	12	64
High Electric Field	2	7
Soft Matter Equipment	7	29
Electronics	3	7
Software	4	17
Other Topics	15	94







https://sampleenvironment.org/