



# The International Society for Sample Environment

A bottom up approach to collaboration

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# OSSE Member facilities



# ISSE Corporate members

- 15 corporate members
- Opportunity to showcase their products
- Direct exchange with institutional members

TAIYO KOKO CO.,  
LTD



Hall Scientific



# ISSSE Our Mission

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- strengthen the position of sample environment technologies at scattering facilities.



- International representation in social, scientific, industrial and political forums



- promote communication and information exchange



- foster the training of young technicians, engineers and researchers

# ISSE International Workshops

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



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



# ISSE Training Schools

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



Dates	ISSE Training Schools	Organiser	Location
28. Oct. – 1. Nov. 2019	<a href="#">3<sup>rd</sup> International Training School on Sample Environment at Scattering Facilities</a>	<a href="#">HZB</a>	Berlin, Germany
13 – 17 Nov. 2017	<a href="#">2<sup>nd</sup> International Training School on Sample Environment at Scattering Facilities</a>	<a href="#">NCNR</a>	Gaithersburg, MD, USA
23 – 27 Feb. 2015	<a href="#">1<sup>st</sup> International Training School on Sample Environment at Neutron Scattering Facilities</a>	<a href="#">ISIS</a>	ISIS, Oxfordshire, UK

# ISSSE Committees

- 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

# ISSE Forums

- 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	Topic	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





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