

Bridging Open Science Ethics and Infrastructure

 **ICSTI** 2025 Annual Conference



ETH Library, ETH Zurich

September 18 - 19

ICSTI invites members and STI colleagues to the 2025 Annual Conference, *Bridging Open Science Ethics and Infrastructure*. The two-day event at ETH Library, ETH Zurich will include a member General Assembly, business meeting, and a day of workshops free and open to all. This event will explore the evolving considerations and technical framework necessary for sustainable, ethical, and efficient knowledge-sharing systems. The event will feature two open workshops "Open Science: Navigating Trends, Challenges and Opportunities" and "Systems and Strategies for Open Science Sustainability".

If you have questions concerning this event or are interested in giving a presentation, please contact ICSTI's Executive Manager, Addie Cox (addie.cox@icsti.org).

[Click to Register](#)

ANNUAL CONFERENCE 2025

Bridging Open Science Ethics and Infrastructure



ICSTI

PROGRAM

ETH Library, ETH Zurich Switzerland

September 18th-19th, 2025

This conference will be located at ETH Zurich main campus. Non-members are invited to join ICSTI for the two FREE workshop sessions on September 19th. Members are invited to join both the workshops and the member-to-member session. The General Assembly Business Meeting is a closed meeting reserved for ICSTI member representatives and alternates.

GENERAL ASSEMBLY BUSINESS MEETING

ETZE 81

2:00pm CEST

ICSTI member representatives will be briefed on ICSTI business before voting on various ICSTI matters. Due to sensitive agenda items, only representatives and alternates of full Class A and B ICSTI members may attend.

MEMBER-TO- MEMBER SESSION

ETZE 81

4:00pm CEST

ICSTI members will share updates on recent and in-progress projects occurring at their respective organizations.

Coffee Social

LEE E 101

8:30 am CEST

Attendees are invited to have coffee and tea in the foyer outside of LEE E 101 prior to the morning workshop. Please note that food and drinks are not permitted inside of LEE E 101.

WORKSHOP 1

LEE E 101

9:00am CEST

Workshop 1: Open Science: Navigating Trends, Challenges and Opportunities

WORKSHOP 2

LEE E 101

1:00pm CEST

Workshop 2: Systems and Strategies for Open Science Sustainability

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Member to Member

Thursday, September 18th
FREE TO ATTEND - FOR MEMBERS ONLY

ICSTI's President, **Jan Brase**, will moderate the Member-to-Member session. Jan is Head of Research and Development at **SUB - Göttingen State and University Library**.



Jozef Dzivak

Director of Scientific Library
Slovak Center for Scientific and
Technical Information

SmartLabs in Slovakia: Community Makerspaces for Open Science and STEAM Literacy

In May 2025, SCSTI rolled out 50 SmartLabs in public libraries nationwide, granting free access to technologies such as 3D printers, robotics kits, pyrography tools, vinyl cutting, and AI-based maker workshops. Coordinated by SCSTI and funded via the VAIA research and innovation agency under the National Strategy for RDI2030, these labs serve to embed science practice and STEAM learning into everyday community spaces in alignment with the country's Open Science agenda. As a result, SmartLabs represent a scalable hybrid model—fusing public library infrastructure with European-level open science infrastructure (EOSC), enabling inclusive access and participatory innovation across all groups in Slovak society.



Zhang Dandan

Institute of Scientific and Technical
Information of China

Introduction of ISTIC Information Services during the Big Data and AI Era

ISTIC mainly provides comprehensive information services for different users, and provides decision-making support for administrative departments. In the big data and AI Era, there are three pillars—Construction of the National Science and Technology Resource Big Data Center, Construction of the National-level International Think Tank of Innovative Strategy, Construction of the National Engineering Center of Science and Technology Information. These enable ISTIC to conduct knowledge-oriented data organization, set up characteristic databases closely related to various sectors, and provide research services themed with big-data for different industries and sectors.



Dr. Seungbok Lee

Dr. Chulsu Lim

Korean Institute of Scientific and
Technical Information

Introducing the National Research Data Platform (DataON) and Science and Technology Information Service (ScienceON) AI Services

KISTI is developing and operating a national research data platform and science and technology information service to support researchers' activities. DataON is a national platform designed to systematically preserve, manage, and share research data generated throughout the research and development process. It supports researchers, institutions, and industry by enabling the search, analysis, and utilization of research data. ScienceON is a service that provides the knowledge infrastructure that researchers need in one place by linking and integrating science and technology information, information analysis services, and research infrastructure. It provides 180 million pieces of science and technology information and contributes to increasing research efficiency through AI services such as literature analysis, summarization, and interactive search.

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WORKSHOP 1

Friday, September 19th 2025 - 9:00am CEST

FREE TO ATTEND - OPEN TO ALL

Open Science: Navigating Trends, Challenges, and Opportunities

ICSTI's Information Trends and Opportunities Chair, **Margret Plank**, will moderate Workshop 1. Margret is Head of the Lab for Non-Textual Materials at **TIB - Leibniz Information Centre for Science and Technology**.



Sara Rouhi

Director of Open Science
and Publishing Innovation
AIP Publishing

Konsortium der Schweizer Hochschulbibliotheken
Consortium des bibliothèques universitaires suisses
Consortio delle biblioteche universitarie svizzere
Consortium of Swiss Academic Libraries

Daniela Hahn

Project Manager
*Consortium of Swiss
Academic Libraries*



Alessio Bognesi

Head of Publishing
Development
eLife



**Peter Kraker &
Christoph Arthofer**
Open Knowledge Maps
IT:U

Scientific Societies Navigating the Storm: How Open Science is Transforming the Scholarly Publishing Landscape

Non-profit scholarly publishers face mounting challenges in today's publishing and scientific communication landscape. The shifts toward open access models and open science best practice strain already limited financial resources. The dominant economic models favor large commercial entities, with more and more non-profits turning to large commercial publishers to stay viable. Additionally, the increasing consolidation of publishing infrastructure by for-profit tech platforms limits the autonomy and visibility of smaller, mission-driven publishers. Rising expectations for innovation—such as robust research integrity infrastructure, AI integration, and global reach—further stretch the technical and staffing capacities of non-profits. How are society publishers navigating this complex landscape with resilience? This talk will focus on how society publishers are innovating and evolving to meet the challenging headwinds coming in a rapidly changing landscape.

Furthering Diamond Open Access in Switzerland: Lessons Learned from the PLATO Project

This presentation explores Diamond Open Access, a scholar-led publishing model that is free for both authors and readers, offering a more sustainable alternative to traditional publishing. The PLATO project (2022–2025) examined the Swiss landscape of such journals and developed strategies to support their growth. The talk will highlight the project's key activities, findings, and recommendations for advancing Diamond Open Access in Switzerland.

Evolution of Publishing

Scientific publishing is a crucial part of the research process. Evidence suggests that it suffers from a number of drawbacks. The talk will outline the eLife publishing model launched in January 2023, and describe how it addresses some of the current drawbacks of scientific publishing.

Reimagining Research Assessment: AI-driven Visualisations in support of a Holistic Evaluation

In this joint presentation, Peter Kraker and Christoph Arthofer will discuss the need for more holistic assessment methods as advocated by initiatives like DORA and CoARA. They will introduce VisConnect, an AI-powered, open-source tool developed by IT:U and Open Knowledge Maps to support inclusive research evaluation. VisConnect uses visual discovery to capture the full scope of a researcher's work—beyond publications—including datasets, software, and policy contributions. The talk concludes with a look ahead to VisConnect+, which will expand these tools to include broader impact dimensions and enhanced features to support further research assessment use cases.

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WORKSHOP 2

Friday, September 19th 2025 - 1:00pm CEST
FREE TO ATTEND - OPEN TO ALL

Systems and Strategies for Open Science Sustainability

ICSTI Executive Board Member, **David Johann**, will moderate Workshop 2. David is Head of Research Analytics Service and Co-Head of Research Support Services & Acquisitions at **ETH Zurich**.



Jenny Lam
Open Science Librarian
Chinese University of
Hong Kong Libraries

ETH zürich

ETH Library

Madeleine Fritschi
E-Publishing Librarian
ETH Zurich



Kou Yuantao
Zhang Dandan
Digital Library Department
Agricultural Information
Institute of CAAS

ETH zürich

ETH Library

Simon Willemin
Data Scientist
ETH Zurich

Advancing Open Access: Bilingual Monographs and Megajournal Initiatives in Hong Kong and Greater China

Open Books Hong Kong is the first Open Access initiative dedicated to publishing Chinese-language monographs, launched through a collaboration among major Hong Kong universities. Since its debut in July 2024, the project has released 27 freely accessible books in the Humanities and Social Sciences, authored by leading scholars. It fills a major gap in Chinese-language OA publishing and aims to develop a sustainable model for global knowledge sharing. The presentation will also introduce a planned Diamond Open Access Megajournal to expand bilingual research dissemination. Key opportunities and challenges of these initiatives will be discussed, with a focus on building strong digital infrastructure for academic collaboration.

Quality Assurance of Research Data in Institutional Repositories: Institutional Practices in Focus - Insights from a Survey and Expert Interviews

This presentation explores quality assurance practices in institutional research data repositories, a critical aspect of research data management and Open Research Data. Repositories play a key role in ensuring compliance with FAIR principles and enabling long-term data usability, though approaches to quality assurance vary widely. Based on a master's thesis at the University of Applied Sciences Potsdam and Humboldt University of Berlin, the study analyzes international survey data and expert interviews from Europe and the U.S. It identifies current practices and highlights areas for improvement to support more sustainable and reusable research data.

Knowledge Graph-Driven Knowledge Discovery Research in Crop Breeding

By 2050, the global population is expected to reach 10 billion, sharply increasing the demand for food production. To meet this challenge, crop breeding must develop new varieties with multiple beneficial traits, such as drought and disease resistance. Our study addresses the limitations of existing single-dimensional analysis methods by using knowledge graphs to deeply integrate and correlate multi-dimensional scientific data in crop breeding. We developed a framework involving multi-path knowledge extraction, multi-source fusion, and model construction informed by expert knowledge. This interdisciplinary approach, combining computer science and breeding science, supports a shift from phenotype-driven to data-driven knowledge discovery, offering practical tools for uncovering embedded disciplinary insights.

Towards Greater Interoperability and Standardization of Institutional Repositories in Switzerland – Presentation of the NAIF project

Switzerland currently lacks a unified, comprehensive overview of its research output, with institutional repositories varying widely in coverage and metadata quality. This hampers the visibility of Swiss research and limits effective policy-making, which often depends on external data providers. The presentation introduces the project NAIF (National Approach for Interoperable repositories and Findable research results), a project that seeks to improve research visibility in Switzerland, including enhancing repository interoperability, promoting responsible assessment, and curating global databases. These efforts aim to build a coordinated national infrastructure that supports Open Science and modern research assessment practices.