

INTERNATIONAL CONFERENCE
ON
SCIENCE AND TECHNOLOGY INFORMATION
MANAGEMENT SYSTEM: PRACTICES AND
EXPERIENCES

May 7-9, 2025
Kathmandu, Nepal

	<p>CENTRE FOR SCIENCE & TECHNOLOGY OF THE NON-ALIGNED AND OTHER DEVELOPING COUNTRIES (NAM S&T CENTRE) NEW DELHI, INDIA</p>
	<p>NEPAL ACADEMY OF SCIENCE AND TECHNOLOGY (NAST) KATHMANDU, NEPAL</p>

INTRODUCTION

The effective management of Science and Technology (S&T) information is a cornerstone of informed decision-making, effective policy formulation and planning for national development. It enables countries to monitor their scientific progress, optimize resources and align strategies with their socio-economic goals. For countries in the developing world, managing S&T information involves data collection, organization and dissemination through national surveys, institutional research and digital platforms. Digital transformation efforts, including online platforms and mobile data tools, are improving data accessibility and sharing.

By systematically collecting and analyzing data on the scientific advancements, workforce trends and infrastructure needs, the S&T information management plays a pivotal role in fostering sustainable growth and innovation-driven development in the Global South. Effective management of S&T data not only ensures better resource allocation but also facilitates progress monitoring, enabling countries to remain competitive in the global innovation landscape. With the rapid evolution of state-of-arts, technological development and the exponential growth of quantum of global data, establishing and operating an efficient information management system has become imperative to support research, promote innovation and guide S&T policymaking.

In light of the rapid advancement of cutting-edge technologies and the exponential growth of the global data, establishing a robust S&T information management system is becoming increasingly essential for guiding research, promoting innovation and supporting evidence-based policy decisions. This approach enables policymakers and researchers to address critical challenges in areas such as renewable energy, environment, healthcare and digital technology thereby fostering a knowledge-driven economy and enhancing societal resilience.

However, there are some challenges in developing an effective S&T information management system, such as inconsistent methodologies, limited resources, financial constraints, shortage of skilled manpower and inadequate infrastructure, particularly in the remote areas. Many nations still lack comprehensive S&T management information systems (MIS), impeding data-driven development. Addressing these challenges requires a concerted effort in improving the management of scientific and technological data.

In view of the above, the Centre for Science and Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre), New Delhi, India in partnership with the Nepal Academy of Science and Technology (NAST), Kathmandu, Nepal, announces the organization of an International Conference on **‘Science and Technology Information Management System: Practices and Experiences’** from 7 to 9 May, 2025 in Kathmandu, Nepal. The Conference aims to bring together experts, researchers, policymakers and practitioners to discuss the critical importance of effective S&T information management systems, particularly in the context of developing countries.

OBJECTIVES

The primary objective of the Conference is to explore core areas of S&T information management. These areas include:

- Research and Development (R&D) Data: Tracking ongoing projects, outcomes and their impacts.
- Manpower and Training Data: Assessing workforce capacity and identifying the developmental needs.
- Infrastructure Data: Detailing resources such as laboratories, technology and funding allocations.
- Enhanced Understanding of S&T Data: Focusing on standardization, data quality, data validation and effective sharing strategies.
- Awareness and Managing of Information Security: Identifying potential threats and implementing measures to address them.
- Strengthened International Collaboration: Promoting cross-border knowledge sharing, cooperation in S&T information management and relevant policy development.

TOPICS TO BE COVERED

- Best practices in managing scientific and technological data in resource-constrained environments
- Policy and data governance
- Information systems security
- Integration of new technologies
- Emerging issues in science and technology information management
- Case studies
- Early researchers' forum
- Data access and equity: Ensuring inclusive knowledge sharing
- Open access and open data initiatives
- Innovative practices and technologies for overcoming infrastructure constraints

IMPORTANT DATES

ACTIVITY	DATE
Date of the Programme	May 7-9, 2025
Submission of Application Starts	February 24, 2025
Last Date for Submission of Applications along with Abstract of Paper to be Presented	April 2, 2025
Last Date for Submission of Full Manuscript of Paper	April 30, 2025

TENTATIVE PROGRAMME OF THE CONFERENCE

PROGRAMME	SESSION DETAILS		
	May 7, 2025	May 8, 2025	May 9, 2025
10.00 - 11.00 Hrs.	Inaugural Session	Keynote Lecture(s)	Keynote Lecture(s)
11.30 - 13.00 Hrs.	Technical Session - I	Technical Session - III	Panel Discussion
14.00 - 15:00 Hrs.	Technical Session - II	Technical Session - IV	Discussion and Adoption of Resolution
15:30 - 17.00 Hrs.	Technical Session - II (Cont'd.)	Technical Session - IV (Cont'd)	Concluding Session

Note: A detailed Session-wise Programme will be made available before the Conference.

TARGETED PARTICIPANTS

Scientists, government officials/policymakers, data and information management professionals, representatives from research and academic organizations from the NAM and other developing countries - who are engaged in managing and utilizing science and technology data to enhance data management practices and foster policy and innovation, are invited to participate in this Conference. The combination of participants from various developing countries will allow the

exchange of knowledge, ideas and experiences and foster potential collaborations contributing to the advancements of S&T data management.

Note: English will be the official language for the Conference.

RESOURCE PERSONS

Resource persons for the Conference will comprise eminent experts from Nepal, India and other countries.

ABOUT THE ORGANISERS

CENTRE FOR SCIENCE AND TECHNOLOGY OF THE NON-ALIGNED AND OTHER DEVELOPING COUNTRIES (NAM S&T CENTRE), INDIA

Centre for Science and Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre) is an Inter-Governmental Organisation with a Membership of 47 countries spread over Asia, Africa, the Middle East, and Latin America. The Centre was set up in 1989 in New Delhi, India, based on the decisions taken during various NAM Summits, and is mandated to undertake a variety of scientific programmes, including organization of international workshops, training programmes and training courses, and implementation of multilateral collaborative projects. It also offers short-term fellowship programmes to scientists and researchers from developing countries in association with the Centres of Excellence in various countries. The Centre also brings out scientific & technical books, monographs, and other scientific publications in different subjects of interest to developing countries. The Centre's activities provide an opportunity for scientist-to-scientist contact and interactions; familiarizing participants on the latest developments and techniques in the subject areas; identification of the requirements of training and expert assistance; locating technologies for transfer between the Members and other developing countries and dissemination of S&T information etc. In addition, the Centre encourages Academic-R&D-Industry interactions in the developing countries through its "NAM S&T-Industry Network". The Centre is giving special focus on helping the NAM S&T Centre Member Countries in their capacity building to achieve the UN Sustainable Development Goals – 2030. More details about the Centre are available at www.namstct.org.



NEPAL ACADEMY OF SCIENCE AND TECHNOLOGY (NAST), NEPAL

Nepal Academy of Science and Technology (NAST) is an autonomous apex body established in 1982 to advance and promote science and technology in Nepal. The Academy is entrusted with four major objectives: advancement of science and technology for the all-round development of the nation; preservation and further modernization of indigenous technologies; promotion of research in science and technology; and identification and facilitation of appropriate technology transfer. NAST is committed to promoting Nepal's scientific capabilities and knowledge generation, conducting groundbreaking research, and supporting policymaking to drive sustainable development of the nation. By empowering researchers, building scientific capacity, and fostering innovation, NAST seeks to harness the transformative potential of science and technology to propel Nepal towards a prosperous and self-reliant country.



SUBMISSION OF APPLICATIONS

Scientists and experts desirous of participating in the Conference, **except those from Nepal**, should submit their applications **electronically** to the Director General, NAM S&T Centre, New Delhi at namstcentre@gmail.com as early as possible but latest by **April 2, 2025**.

However, applicants from Nepal should submit their requests directly to the Chief, Planning and Evaluation Division, Nepal Academy of Science and Technology (NAST) at planning@nast.org.np

The following documents must be submitted as e-mail attachments:

- a) Filled in Application Form (Blank form **enclosed**).
- b) An **Opinion** (a short paragraph; in MS Word format) on how the applicant qualifies to participate in the Conference.
- c) A **Short Biography** (to be written in third person) highlighting the current engagement, area of expertise, major achievements, academic qualification, and professional experience as succinctly as possible (250-300 words max).
- d) An **Abstract** (about 300 words, in MS-Word only) of the paper that would be presented at the Conference.
- e) A scanned copy of relevant pages of valid passport.

Note: The documents (b), (c) and (d) above must be in **MS-Word format** only; PDF or image files will not be accepted. Hard copies of the Application Form and the above attachments are **NOT REQUIRED** to be submitted.

PRESENTATION OF PAPERS

Participants are expected to present a Country Status Report and/or a research/scientific paper on any of the themes appropriate to the Conference.

PUBLICATION OF THE PAPERS

A publication edited by one or more international experts and based on the papers presented by the participants during the Conference and also containing papers contributed by other eminent experts in the field will be brought out in the form of a book as a follow-up of this scientific programme. Therefore, all participants are requested to submit the full manuscripts of their papers in MS-word format only well in advance, but latest by **April 30, 2025**.

SELECTION OF APPLICANTS

Selection of applicants will be made based on their academic and professional background, relevance of their current engagements to the topic of the Conference, and the quality of abstract of paper submitted by them. Successful applicants will be electronically informed about their selection by **April 15, 2025**.

LOCAL HOSPITALITY AND TRAVEL

Local hospitality in Kathmandu including accommodation, meals, and local transport to the foreign participants sponsored by the NAM S&T Centre will be provided by the Nepalese host – NAST from **6th May 2025 (noon) to 10th May 2025 (noon)** [i.e., from one day before to one day after the completion of the Conference]. The participants are requested to book their flights accordingly; otherwise, they will have to make their own arrangements of stay beyond these dates.

FINANCIAL ARRANGEMENTS FOR TRAVEL

Details regarding the financial terms and arrangements for international travel of foreign participants will be provided to individual applicants upon receipt of their completed application form and supporting documents.

ENTRY FORMALITIES AND IMMIGRATION

All participants must hold a valid passport or other internationally recognized travel document, with a validity of at least **six months beyond the period of stay in Nepal** and must be endorsed for travel to Nepal.

Participants must secure a valid entry visa for Nepal. To obtain the visa, participants are advised to approach the nearest Nepalese Diplomatic Mission in their home country. However, for a large number of countries, “*Visa on Arrival*” is applicable. The organizers will assist participants in obtaining the necessary visa by providing an official invitation letter, which can be used to facilitate the visa application process.

NOTE:

The governments/institutions of the selected participants will be required to bear the following costs:

- All expenses in the home country incidental to travel abroad, including expenditure for passports, visa fees, required medical examinations, vaccinations and other miscellaneous expenses such as internal travel to the airport of departure in the home country.
- Salary and related allowances for the participants during the duration of the Conference.
- The cost of medical insurance to cover the period of participation in the Conference.

The organizers of this Conference will not assume responsibility for the following expenditure in connection with the participant's attendance in the Conference:

- Expenses incurred with respect to any insurance, medical bills or hospitalization fees.
- Compensation in the event of death, disability or illness of the participant.
- Loss of personal belongings or compensation for damage caused to them by climatic or other conditions.
- Other costs, including visa fees, airport taxes and excess baggage charges, etc.

OTHER USEFUL INFORMATION

- The maximum temperature in Nepal during the Conference period would be around 28°C with no heat and humidity, falling to about 16°C at night.
- Nepalese Standard Time is +5:45 hours ahead of GMT.
- The Nepalese Rupee (NPR) is the currency of Nepal. The current exchange rate is 1 USD = 136.78 NPR.

SECRETARIAT AND ENQUIRIES

NAM S&T CENTRE

Dr. Amitava Bandopadhyay,

Director General,

The Centre for Science & Technology of the Non-Aligned and other Developing Countries
(NAM S&T Centre),

Core - 6A, 2nd Floor,

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Tel: +91-11-24645134, 24644974

E-mail: namstcentre@gmail.com

Website: <https://www.namstct.org>

NEPAL ACADEMY OF SCIENCE AND TECHNOLOGY (NAST), NEPAL

Prof. Dr. Dilip Subba,

Vice-Chancellor,

Nepal Academy of Science and Technology (NAST),

GPO Box: 3323, Khumaltar,

Lalitpur, Nepal

Tel: +977-1-5253715 / 5253717 / 5253720 / 5253721

E-mail: planning@nast.org.np / info@nast.org.np

Website: <https://www.nast.gov.np>

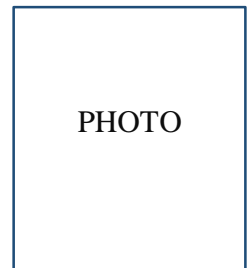
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(NAM S&T CENTRE)

INTERNATIONAL CONFERENCE
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MAY 7-9, 2025
KATHMANDU, NEPAL

APPLICATION FORM

PLEASE TYPE OR USE BLOCK LETTERS (NO COLUMN SHOULD BE LEFT BLANK.)



SECTION -A

(To be filled in by the Applicant)

1. First Name (Prof. /Dr. /Mr. /Mrs. /Ms.):
.....
Middle Name:
Last Name:
(*As in Passport*)
2. Father's/Spouse Name:
3. Designation (Position held):
4. Nationality:
5. Date of Birth: Place of Birth (City) (Country).....
6. Passport No: Place of Issue:
Date of Issue: Valid up to:
(*Please attach copies of the relevant pages of your Passport*)

7. Name of the Parent Institution (Employer):
 Full Address (Office):

 Phone: E-mail:
8. Full Address (Home):

 Mob:
 E-mail:
9. Educational Qualifications: Highest Degree.
 Year of Award: University:
 Field of Study:
10. A Short Biography (to be written in third person; in MS Word only; 250-300 words)

11. An Abstract of your paper proposed to be presented in the Conference.
 (About 300 words, in MS Word only to be attached)
12. What in your opinion qualifies you for participation in this Conference?
 (To be attached on separate sheet)
- Date: Signature:

SECTION – B

ENDORSEMENT BY THE NOMINATING AUTHORITY

(The Applicant in a Member Country of the NAM S&T Centre and NAM S&T – Industry Network Member must get the Nomination Form endorsed by the Focal Point of the Centre in his/her country if he/she wishes to take financial benefits extended to the official nominee of the country. For the list of the Member Countries and names/addresses of the Focal Points, please visit the Centre’s official website; www.namstct.org.)

Signature:
 Name (in full):
 Designation:
 Date:

SEAL

Enclosures:

- 1) A Write-up (a short paragraph) on what qualifies the applicant to attend the Conference.
- 2) A Short Biography (to be written in third person; 250-300 words) highlighting the current engagement, area of expertise, major achievements, academic qualification, and professional experience as succinctly as possible.
- 3) An Abstract (about 300 words; MS-Word only) of the Paper that is proposed to be presented by the applicant at the International Conference.
- 4) A scanned copy of relevant pages of valid passport.
