



सोव्हाइअर  
CSIR  
भारत का नवाचार इंजन  
The Innovation Engine of India

NIScPR  
National Institute of Science Communication and Policy Research  
सीएसआईआर-निस्पर



# International Conference Aligning Science-Technology- Innovation Indicators for Effective R&D Governance (STIG-2025)



14–15 January  
2025



CSIR-NIScPR  
Dr. K S Krishnan Marg, New Delhi 110012

## CSIR-National Institute of Science Communication and Policy Research (NIScPR)

CSIR-National Institute of Science Communication and Policy Research (CSIR-NIScPR) is a constituent laboratory of Council of Scientific and Industrial Research carrying broad mandate to promote STI policy studies and science communication among diverse stakeholders and act as a bridge at the interface of science, technology, industry, and society; which is essential to a robust S&T ecosystem in the country. The institute draws from the rich intellectual diversity of faculty in policy research and science communication. The core research activity of the institute is in different areas of the STI ecosystem, developmental challenges identified under sustainable development goals, and science-society studies with strong alignment to government policy and programs. Evidence-based policy research, socio-economic impact assessment, and outreach to society through diverse communication interactions are the focal approaches of the research. The institute also has 16 journals in different areas of science and technology, along with publishing a popular science magazine Science Reporter, and R&D newsletters. The institute has a vibrant doctoral program.

## ABOUT THE CONFERENCE

In contemporary R&D systems, research in basic and applied sciences, technology development and innovation, and their societal impact are the broad areas of concern. In particular, the emphasis is on promoting interdisciplinary research so that the S&T developments remain relevant and benefit society in the short and long term. Keeping this in the background, the efficient measurement of the R&D capacity and building effective R&D capability are the basic requisites for the R&D governance system. For capacity measurement, the performance evaluation becomes imperative, and for capability development, a comprehensive foresight is needed. The exponential growth in emerging scientific and technological knowledge has led to various quantitative approaches to capture trends, insights, and undertake forecasting exercises. It has also opened new horizons in developing novel methods and practices in performance evaluations. Big-data, sophisticated computational tools and techniques, blockchain, etc. are the new signatures of the quantitative approaches. Alternative approaches for evaluation such as altmetrics have added new dimensions to the performance evaluation.

With this standpoint, a two-day conference is planned to situate and bring together experts, policymakers, and scholars to discuss the emerging issues in contemporary methods, practices for performance evaluation, and foresight development in R&D and governance.

# BROAD THEMES



## Methods, Approaches, and Practices in Performance Evaluation

This theme explores challenges in evaluating STI aggregators using productivity and impact metrics. It addresses biases, interdisciplinary complexities, and policy implications while discussing strategies for transparent, responsible, and effective performance assessments in the evolving STI ecosystem.

**Coordinators:** Dr Sujit Bhattacharya & Dr Vinayak

**Members:** Dr Kasturi Mandal

**Email:** sujit@niscpr.res.in



## Open Science, Open Source & Open Access

This theme explores how Open Science and Open Access frameworks enhance R&D governance by improving knowledge access, collaboration, and sustainability. It discusses strategies for inclusive models, institutional repositories, and leveraging data repositories for impactful research outcomes.

**Coordinators:** Sh Mukesh Pund & Ms Meetali Bharti

**Members:** Dr Sandhiya Lakshmanan & Dr Meher Wan

**Email:** mukeshpund@niscpr.res.in



## Measuring the Social Impact of R&D

This theme explores evaluating R&D's societal impact through stakeholder engagement, addressing equity, access, sustainability, and mechanisms to assess researchers' contributions to public welfare, innovation-driven productivity, health, and quality of life improvements.

**Coordinators:** Dr Naresh Kumar & Ms Sandhya Wakdikar

**Members:** Dr Shivnarayan Nishad & Dr N K Sahoo

**Email:** nareshkr@niscpr.res.in



## Connecting R&D and Social Media

This theme examines social media's role in measuring STI impact, exploring altmetrics, non-academic indicators, and strategies to address complexities for effective R&D governance and broader societal engagement with science and innovation.

**Coordinators:** Dr Yogesh Suman & Dr Paramananda Barman

**Members:** Dr Manish Mohan Gore & Dr Dinesh Tolu Velip

**Email:** yogeshsuman@niscpr.res.in



## Foresight in R&D Governance

This theme explores leveraging foresight for R&D governance, emphasising benchmarking, responsible innovation metrics, impact assessment, and advanced tools like data analytics and machine learning to optimise R&D effectiveness and foster innovation.

**Coordinators:** Dr Vipin Kumar & Dr Kasturi Mandal

**Members:** Dr Avinash Kshitij

**Email:** vipin@niscpr.res.in

# PROGRAMME

## Day 1: 14 January 2025

09:00 AM – 10:00 AM	Registration
10:00 AM – 11:30 AM	Inaugural Session & Foundation Day Celebration
11:40 AM – 12:30 PM	High Tea, Ek Ped Maa Ke Naam, Bonfire & Cultural Celebration
12:30 PM – 01:35 PM	Session on STI Indicators for R&D Governance (S1)
01:35 PM – 02:15 PM	Networking Lunch
01:35 PM – 02:30 PM	Poster Presentations & Exhibition showcasing (S2)
02:30 PM – 03:50 PM	Session on R&D and Society (S3.A.1)
02:30 PM – 03:50 PM	Session on R&D and Social Media (S3.A.2)
03:50 PM – 04:50 PM	Panel Discussion on STI Indicators for R&D and Society (S3.B.1)
03:50 PM – 04:50 PM	Panel Discussion on STI Indicators for R&D and Social Media (S3.B.2)
04:50 PM – 05:00 PM	Tea/Coffee Break
05:00 PM – 06:00 PM	Session on Methods, Approaches and Practices in Performance Evaluation (S4)
07:00 PM onwards	Networking Dinner

## Day 2: 15 January 2025

09:30 AM – 10:20 AM	Session on Methods, Approaches and Practices in Performance Evaluation (S5)
10:20 AM – 11:15 AM	Panel Discussion on Challenges, Opportunities and Caveats in Performance Evaluation (S6)
11:15 AM – 11:30 AM	Tea Break
11:30 AM – 12:10 PM	Session on Open Science, Open Source & Open Access (S7.A)
12:10 PM – 01:10 PM	Session on Open Science, Open Source & Open Access (S7.B)
01:10 PM – 01:15 PM	Presentation from : ACS International India Pvt. Ltd .
01:15 PM – 01:20 PM	Presentation from : Turnitin Pvt Ltd.
01:20 PM – 02:00 PM	Networking Lunch
02:00 PM – 03:00 PM	Panel Discussion on Fostering Open Science, Open Source & Open Access for robust R&D Ecosystem (S7.C)
03:00 PM – 03:25 PM	Session on Foresight in R&D Governance (S8.A)
03:25 PM – 04:25 PM	Panel Discussion on Challenges in R&D Governance in India (S8.B)
04:25 PM – 04:45 PM	High tea
04:45 PM – 05:40 PM	Valedictory Session

### → Patron

Prof. Ranjana Aggarwal  
Director, CSIR-NIScPR

Dr Sujit Bhattacharya  
Dr Naresh Kumar

Member Invitee  
Convener

### → Steering Committee

Dr Akhilesh Gupta      Chairperson  
Dr Sylvie Rousset      Member  
Prof. (Dr) Golichenko Oleg      Member  
Prof Pranav Desai      Member  
Dr Brajesh Pandey      Member  
Prof. Vivek Kurmar Singh      Member

### → Core Organizing Committee

Dr Sujit Bhattacharya      Chairperson  
Sh Mukesh A Pund      Co-Chairperson  
Dr Vinayak      Member & Coordinator  
Dr Naresh Kumar      Member  
Ms Meetali Bharti      Member  
Dr Avinash Kshitij      Member-convener  
Dr Kasturi Mandal      Member & Co-convener

## → Abstract Submission



Abstracts are invited for oral and poster presentations. The abstracts not exceed 700-800 words should have the title followed by the name of the author(s), affiliation, and email address of the corresponding author(s). The abstract should be typed in font Times New Roman (12pt). The abstract may be submitted through the registration link.

Extended Abstracts are invited from a presenter which represent their original works and is a comprehensive summary of a research paper with the background, objectives, methods, results and conclusion.

**Abstracts are invited in the following areas:**

- Methods, Approaches, and Practices in Performance Evaluation
- Open Science, Open Access & Open Source
- Measuring the Social Impact of R&D
- Connecting R&D and Social Media
- Foresight in R&D Governance

## → Who can participate?



**Researchers, Academicians, Scientists, Policy makers, students, etc.**

*E - Certificate will be provided to all registered participants.*

*Selected Extended Abstracts will be considered for inviting full length papers which will be peer reviewed and considered for publication in a special issue of CSIR-NIScPR journal "Journal of Scientific and Industrial Research" (JCR 0.7).*



## REGISTRATION

Registration starts: 22 October 2024

Registration	Early bird (16 November 2024)		Late (16 December 2024)	
	India	Overseas	India	Overseas
Student/ Research Associate/ Post-doc	₹ 1200 /-	US \$125/-	₹ 1800 /-	US \$175/-
Faculty/ Scientist/ Industry Sponsored	₹ 3500 /-	US \$240/-	₹ 4500 /-	US \$350/-

Account Name: CSIR-NIScPR  
Account No.: 110003874485  
MICR Code: 110015428

Bank Name & Branch: CANARA Bank, NPL Branch  
IFSC Code: CNRB0019100  
SWIFT Code: CNRBINBBBFD

## → Deadline:

- Last date of the Extended Abstract Submission: 16 December 2024
- Notification for Selected Extended Abstracts: 24 December 2024
- Last Date for Full Manuscript Submission: 30 December 2024

*Organizers will facilitate in arranging accommodation for registered participants on payment basis upon prior request.*

### Knowledge Partners



### Sponsors



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