25
1999-2024
Years of Impact through Science Advice

Office of the Principal Scientific Adviser
to the Government of India

**SCIENCE & TECHNOLOGY
CLUSTERS**

INTERNATIONAL
SCIENCE & TECHNOLOGY (S&T) CLUSTERS CONFERENCE 2025

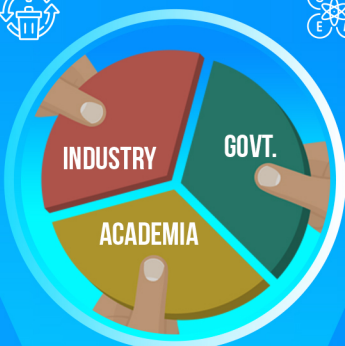## *Making Lives Easier Through S&T*

4th & 5th December 2025

Venue: Dr. Ambedkar International Centre (DAIC),
15 Janpath, New Delhi

INDUSTRY 4.0

STEM

INDUSTRY

GOVT.

ACADEMIA

The Science and Technology (S&T) Clusters Initiative: Empowering Innovation for Regional and National Progress

The Science and Technology (S&T) Clusters initiative is a flagship program under the Office of the Principal Scientific Adviser (OPSA) to the Government of India, launched in 2020 following the guidance of the Prime Minister's Science, Technology, and Innovation Advisory Council (PM-STIAC). This innovative initiative brings together academic institutions, research & development (R&D) organizations, industries, startups, and local governments, all aligned to solve regional challenges with demand-driven, technology-led solutions. With a focus on regional development and national priorities aligned with the vision of "Atmanirbhar Bharat", these Clusters create sustainable and scalable outcomes through collaborative efforts.

Operating through a consortium-based model, the S&T Clusters serve as hubs for innovation, interdisciplinary partnerships, and technology translation, enabling solutions that address critical local and national issues. Structured as a three-tiered pyramid, the Clusters focus on building strong institutional networks at the base, solving regional problems through collaborative actions at the middle tier, and driving national and global competitiveness through impactful technologies at the top. Currently, there are eight active Clusters across India: Bengaluru Science and Technology Cluster (BeST), Bhubaneshwar City Knowledge Innovation Cluster (BCKIC), Northern Region S&T Cluster, Chandigarh (PI-RAHI), Delhi Research, Implementation, and Innovation Cluster (DRIIV), Research and Innovation Circle of Hyderabad (RICH), Jodhpur City Knowledge and Innovation Cluster (JCKIC), Pune Knowledge Cluster (PKC), and Vizag Cluster (AMTZ). These Clusters across India are catalyzing innovation in diverse sectors, including healthtech, smart agriculture, environmental sustainability, and industrial automation. Some of the notable outcomes of the Clusters include the facilitation of EV charging infrastructure in Delhi/NCR, the launch of AR/VR-enabled artisan marketplace "Kalaanubhav.in," and the "One Delhi" digital transit app with over 3 lakh users. Health-tech innovations like diabetic foot screening foot-mats, One Health initiatives, waterbody rejuvenation efforts, e-waste management systems, and the development of pacemaker leads at AMTZ Vizag further demonstrate the scalable, high-impact nature of these collaborative solutions.
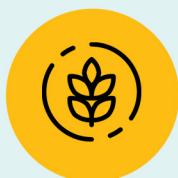
Why International Collaboration?

The S&T Clusters have already established strong industry-academia-government networks and are now fostering regionally empowered and mission-driven innovative solutions nationally. With the scalability and impact of these solutions becoming more evident, the next logical step is to expand the reach and impact beyond national borders. The upcoming "International Science & Technology (S&T) Clusters Conference: Making Lives Easier Through S&T" is designed to serve as a platform for global collaboration and partnerships, enabling the S&T Clusters to engage with similar international initiatives. This conference will promote the exchange of ideas, highlight proven solutions, help in adopting good practices, and open doors for joint ventures and international collaborations in technology development.

What is the Conference About ?

This two-day conference aims to enhance global connectivity and foster cross-border collaborations to solve some of the most pressing global challenges through science and technology. With a focus on cutting-edge, technology-driven solutions, the conference will showcase the work done by the S&T Clusters and open up avenues for joint innovation with international stakeholders. Along with panel discussions, exhibitions showcasing proven, scalable technologies will also be held, offering participants a unique opportunity to explore impactful innovations and foster potential collaborations.

What Will be Discussed?
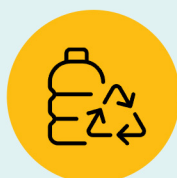
Smart Agriculture

Healthcare Innovations

Environmental Sustainability

Industry Automation & Startups

Plastic & E-Waste Management

Technologies Empowering Livelihood

Key Outcomes and Takeaways

❯ Strengthened Global Scientific Partnerships: The conference will serve as a nexus for international collaboration, uniting stakeholders from the global S&T ecosystem under one roof.

❯ Showcasing S&T Solutions: A dedicated exhibition will present proven and scalable solutions developed by the S&T Clusters, offering a glimpse into the future of technology-led innovation.

❯ Opportunities for International Collaborations: The event will pave the way for joint ventures, research partnerships, and cross-border collaborations to scale solutions on a global stage.

❯ Exchange of Ideas and Innovations: Participants will gain valuable insights through expert talks, panel discussions, and interactive roundtables on global issues, facilitating knowledge sharing and innovative thinking.

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SCIENCE & TECHNOLOGY CLUSTERS

Organiser

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S&T Clusters

BCKIC Bhubaneswar City Knowledge Innovation Cluster Foundation

DRIIV

JCKIF Jodhpur City Knowledge and Innovation Foundation

RICH Research and Innovation Circle of Hyderabad

VIZAG SCIENCE & TECHNOLOGY CLUSTER

PKC Pune Knowledge Cluster

PI - RAHI

BeST CLUSTER Bengaluru Science and Technology (BeST) Cluster