



Office of the Principal Scientific Adviser
to the Government of India

Science & Technology Cluster



RESOLVE 2.0

Rendering S&T Solutions for AtmaNirbhar Bharat

DRIIV (Delhi Research Implementation and Innovation),
the flagship initiative of the **O/o the PSA to the GOI**

presents roundtable discussion on the

*Role of Science & Technology in
“Creating A Sustainable Future”*




9th Dec. 2023 (from 9:30 AM)



Inspire Hall,
Le Meridien, New Delhi

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About DRIIV:

DRIIV is the umbrella body for Delhi Science & Technology (S&T) cluster, the flagship initiative of the Principal Scientific Adviser to the Government of India. With an impactful network of 100+ cluster members across industry-academia-government bodies and international organisations, DRIIV has created a dynamic ecosystem to take innovations from lab-to-market. Mandated to be a local solution provider, DRIIV has built active engagements with public bodies to leverage S&T solutions for addressing complex public sector problems such as mainstreaming EVs, managing waste, treating wastewater and reviving water bodies, tackling air pollution, developing smart cities etc.

Agenda

Welcome Tea

9:30 AM – 10:00 AM

Welcome note by Ms. Shipra Misra MD & CEO, DRIIV

10:00 AM – 10:10 AM

Address by the Chair, Dr. Arun Bhardwaj, Scientist/Engineer SG,
Office of the Principal Scientific Adviser to the Government of India

Session 1

10:10 AM – 11:30 AM

o Roundtable discussions on enabling sustainable mobility


Sub-topics :

- > *Enhancing EV charging infrastructure and transitioning to renewable energy as primary source*
- > *EV battery recycling and second-life of batteries*
- > *Charging Management Systems and Charging space management*
- > *Any other topic that the authorities/industry participants may feel relevant*

Discussion flow :

- > *Administrative authorities to elaborate on problem statements*
- > *Industry participants and investors to share their market perspectives*
- > *Researchers to provide technical inputs and explore potential solutions*

Expected outcome :

- > *Clearly defined actions on each sub-topic with a view to developing and implementing the solutions, at least on pilot scale*
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o Roundtable discussions on air pollution mitigation

Sub-topics :

- > Hot spot management - data driven policy action
- > Efficacy of technology solutions for mitigating pollution at source
- > Taking a scientific approach to GRAP
- > Tackling burning of stubble and biomass esp. during winter season

Discussion flow :

- > Administrative authorities to elaborate on problem statements
- > Researchers and authorities to discuss feasible approaches to these problems
- > Industry participants to discuss supporting technology adoption for outdoor pollution mitigation and deliberate on feasible commercial solutions for agri residue (in-situ treatment, conversion to fuel and other value added products, creating value chain etc.)

Expected outcome :

- > Clear understanding of, and agreement on, the way forward for the first 3 sub-topics between authorities and researchers
- > Identification of practical solution for stubble burning that can be supported by the industry with the view of implementing it at least on pilot scale



○ **Roundtable discussions on sustainable management of waste and ensuring water security : a circular economy approach**

Sub-topics :

- > *Leveraging technology to improve segregation, management and treatment of fresh and legacy waste*
- > *'Waste to wealth' solutions for circular economy*
- > *Treatment of open drains and water bodies*
- > *Decentralised treatment of wastewater in parks, residential societies etc.*

Discussion flow :

- > *Administrative authorities to lay out their requirements in management and treatment of solid waste and wastewater*
- > *Researchers and industry participants to suggest existing solutions and note areas where more understanding/solution development is required*
- > *Industry participants to deliberate on adopting solutions for circular economy and supporting wastewater treatment pilots*

Expected outcome :

- > *Agreement on 2-3 waste management priorities to be taken up*
- > *Identification of water bodies to be treated on pilot scale initially*

