

# Resilience and Sustainability Summit: Vision 2047

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जलवायु और आपदा संकट से संरक्षा: पर्यावरण स्थायित्व की ओर

शिखर सम्मेलन ०१

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Science-Policy-Planning-Implementation Interface for DRR in Changing Climate

Focusing on Good Practices and Case Studies on Disaster Risk Reduction

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## RESSUMMIT2047: Brief

India and the region are among the highly disaster-prone geographies of the world, witnessing disasters as regular features of damage and loss events. With changes in the land-use and landscape, degradation of environment, societal and technological changes, coupled with impact of climate change, disasters have been ever increasing in terms of occurrence and impacts. Disaster damages & losses have huge economic consequences particularly owing to impacts on infrastructure, industry, ecosystems and resources of the people. Over the years, non-economic, systemic and cascading effects of a wide range of disasters have enhanced the understanding of disaster management approaches which has led to focus on underlying causes of increased risk and vulnerabilities in the region. Greater emphasis is now towards concerted efforts of risk proofing developmental planning and practices. This calls for the following:

- Holistic understanding of safety and sustainability that assimilates realisation of climate extreme events as major contributors of disaster losses & damages,
- Integration and synergy of disaster risk reduction policy and practices with scientific advances, innovations and ground lessons.

India has taken big strides and leadership initiatives in promoting disaster management and sustainability. India's National Institute of Disaster Management (NIDM) is a unique professional think-tank and capacity building establishment that supports all sectoral Ministries of the Government, States/UTs, other stakeholders and countries in the area of DRR capacity building and research. National Disaster Management Authority (NDMA) is the apex authority chaired by the Prime Minister and has a unique tiered institutional framework covering states/UTs and district level network, and other key stakeholders that includes international and regional interventions as well. Besides, Disaster Management Act (2005), the National Policy on Disaster management (2009), the well laid National Disaster Management Plan (2019) and the ambit of Prime Minister's 10 Point Agenda 3 on Disaster Risk Management are key guiding forces of India's disaster risk management accelerations.

Science - Technology and innovations plays a substantial role in disaster and risk management through effective early warnings and forecasts, strategic innovations,



disruptive technologies, artificial intelligence, robotics, green technology, nature-based solutions etc. As Disaster Management has gone through a paradigm shift from *'response and relief centric'* approach to *'prevention-preparedness and mitigation'* centric approach, DRR initiatives at local and regional levels have become more inclusive and integrated. Policy advocacy, effective governance models and S&T innovations have played a crucial role in this context.



Globally, many examples of successful on-ground pilots exist but, however, upscaling and replication at large scale of such success stories and best practices needs further customization, moderation, and innovations. Case studies and best practices need to be collected and analysed in a systemic approach to feed into the process in a well designated mechanism.

NIDM has undertaken strategic endeavours and important high level discourses in the recent past in sync with the Hon'ble Prime Minister's 10 point Agenda on Disaster Risk Management, of which are: (i) International Conference on Science, Technology Research-Policy-Practice Interface for Climate Risk Management on 25-27 August 2020 ( [https://nidm.gov.in/PDF/pubs/CAP-RES\\_NIDM.pdf](https://nidm.gov.in/PDF/pubs/CAP-RES_NIDM.pdf) )

(ii) High Level Policy Dialogue on Localising Climate Resilience Agenda: Vision 2050 and 2100 (LOCC-RES 2100) during 2-3 September 2021 ( [https://nidm.gov.in/PDF/pubs/CAP-RES\\_NIDM.pdf](https://nidm.gov.in/PDF/pubs/CAP-RES_NIDM.pdf)) and (iii) High Level Policy Round Table on Science-Technology and Innovation Policy for DRR on 6 January 2022 ([https://nidm.gov.in/pdf/trgReports/2022/January/Webinar\\_06January2022akg.pdf](https://nidm.gov.in/pdf/trgReports/2022/January/Webinar_06January2022akg.pdf)).

Additionally, with the support of Department of Science & Technology (DST) Gol, NIDM has been implementing the important 'Climate Adaptive Planning for Resilience and Sustainable Development in Multi-Hazard Environment (CAP-RES)' an umbrella project that focused on science-policy-practice interface.

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Gaining insights and consolidating the lessons learned from previous endeavours, NIDM in collaboration with Department of Science & Technology (DST) Gol, along with partners - United Nations Development Programme (UNDP), GIZ- India and others across the United Nations bodies, multi-laterals, academia, international NGOs has organised the "**Resilience and Sustainability Summit: Vision 2047 (RESSUMMIT2047)**", Science-Policy-Planning-Practice Interface for DRR in Changing Climate" during 17-19 January 2023 at Vigyan Bhawan, New Delhi, India. The RESSUMMIT 2047, a Pre-event of NPDRR 2023, has been a multi-ministerial and multi



-partner initiative in which 'High Level Plenary Sessions' and technical 'Colloquy - Parisamvaad Sessions' were held.

The 'RESSUMMIT2047' deliberations have led to the identification of key contexts of futuristic 'risk and resilience'. The present report summarises the discussions and presents the key outcomes of the 3-day summit. Key outcomes of the summit would be crucial and expected to feed into

- The discussions of NPDRR's 3<sup>rd</sup> meeting scheduled for 10-11 March 2023 at Vigyan Bhawan, New Delhi. NPDRR - National Platform for DRR, is a statutory body created by the official Gazette of Govt. of India
- The discussions and commitments for *Atmanirbhar Bharat*
- India's strategic focus in leading G20 priorities

The RESSUMMIT2047 comprised of the following types of sessions:

- RESSUMMIT2047 Launch Session (Inaugural)
- RESSUMMIT2047 Keynote Sessions
- RESSUMMIT 2047 Exposition
- High Level Plenary Sessions
- Futuristic Recommendation Session
- The Call Together & Road Ahead Session (Valedictory)

**Participation: RESUMMIT2047**

- Total more than 350 delegates participated in the event including experts, academicians, and state representatives.
- Number of speakers: 130
- States Representation: 62 representatives from 29 states and UTs
- From 18 Central Ministries
- 124 representatives from the partners including UNDP, GIZ, GEAG, UNICEF, Sphere India, WHO, NIDM, Wetland, DST, Springer

High level plenary sessions and परिसंवाद Colloquy sessions were held during the event.

The thematic areas covered in the RESSUMMIT 2047 are given below:

- International Cooperation: G20 and beyond
- Governance & Finance: Localizing Resilience Agenda
- Environment & Health Emergencies: Critical trends
- Infrastructure & City Resilience including Peri-urban
- Addressing Loss & Damage and Humanitarian-Social Resilience
- SDG Realization through CCA-DRR (Special Session)
- Sectoral Approach and Regional Contexts to Resilience

**RESSUMMIT 2047 EXPOSITION: परिसंवाद Colloquy**





Following thematic topics were covered under the 9 परिसंवाद sessions

- AI Based Disaster Management (Rooftop Vulnerability Assessment)
- Digital Innovation for Resilience
- Technology & Innovation for DRR Local Action for Resilience
- Local Action for Resilience
- Climate Vulnerability Assessment at Grassroot Level
- Gender and Inclusiveness
- NbS for Resilience
- Financial Innovations for Resilience
- Resilience and Sustainability in Coastal India

#### **LIST PRE-EVENTS OF RESSUMMIT2047**

- National Consultation Workshop on Wetlands Conservation as Nature based Solution for Reducing Disaster Risks on 12-13 September 2022
- Expert Dialogue on Approaches for Mainstreaming Climate Risk Assessments on 14 September 2022
- Brainstorming Session on DRR and S&T Policy: Research and Capacity Building Network for Resilience (in Disaster Management, Climate Resilience, Green Growth strategies, and integration with mainstream development, in India and its implications for Asia-Pacific) on 26 October 2022
- 'LiFE' for Resilience: Case Studies and Best Practices Conference on 28 November 2022
- Workshop on Bridging the Climate Change Research and Policy Gap for Enhanced Local

The Detailed report is under preparation and will be available in a week's time

#### **Photo Gallery**









