

CENTRE OF EXCELLENCE GOVERNMENT COLLEGE SANJAULI, SHIMLA-06

NAAC Re-accredited **A+** Grade

REPORT ON

One-Day International

SYMPOSIUM

on

CLIMATE CHANGE ADAPTATION AND CLIMATE FINANCING:

Pathways to Urban Resilience and Sustainability

 **Date**
10 July 2026

 **Venue**
College Auditorium
St. Bede's College, Shimla



*"Building resilient cities today
for a sustainable tomorrow."*



Climate Change
Adaptation Strategies



Climate Finance and
Investment



Urban Resilience
and Sustainability



Collaboration and
Partnerships



Green Innovation
and Technology



Biodiversity and
Ecosystem Services



Policy, Planning
and Governance



Awareness, Education
and Capacity Building

Supported by



Introduction & Inaugural Ceremony

The Convenor of the Eco Club [PROFF. Deepti Gupta] and five members of the Eco Club, Centre of Excellence Government College, Sanjauli, Shimla, participated in the One-Day International Symposium on "Climate Change Adaptation and Climate Financing: Pathways to Urban Resilience and Sustainability", held on 10 July 2026 at St. Bede's College, Shimla. The symposium brought together experts, academicians, researchers, and policymakers to discuss climate adaptation, climate finance, and sustainable urban development. The programme commenced with the Ceremonial Lighting of the Lamp, followed by the felicitation of the dignitaries with the traditional Himachali cap (Topi) and shawl, marking the formal inauguration of the event.



Welcome Address

Dr. Gitanjali Mahendra, Associate Professor, St. Bede's College, Shimla, welcomed the guests and participants. She emphasized the importance of collective action against climate change and highlighted the role of academic institutions in promoting sustainability through education, research, and innovation. She encouraged everyone to actively participate in the symposium and contribute towards a sustainable future.



Keynote Address



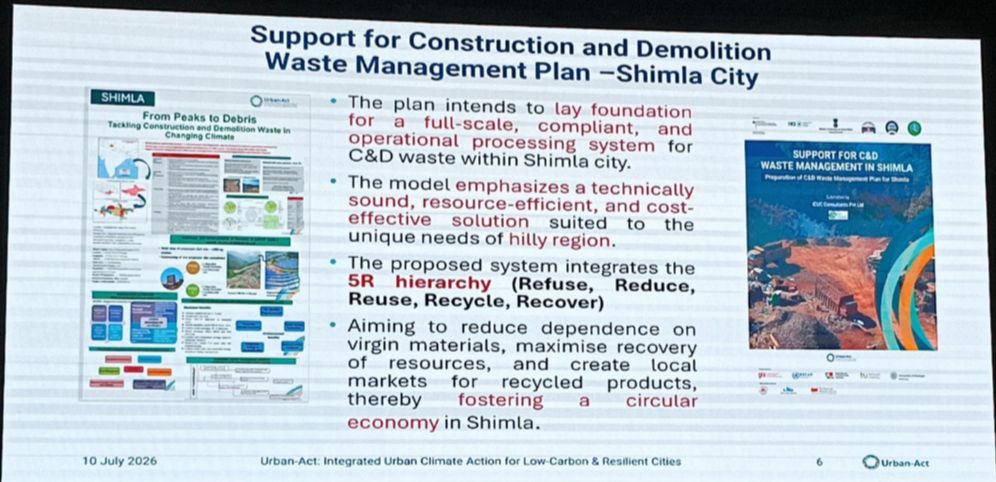
Mr. Sebastian Markart, Project Head, Urban-Act India, GIZ, highlighted the need for climate-resilient cities and introduced the Urban-Act India initiative. He emphasized sustainable urban planning, collaboration, and innovation as key to addressing climate change and encouraged students to actively contribute towards a sustainable future.



About Urban-Act Project and City Interventions

By - Dr. Harkanchan Singh, Urban and Regional Development Advisor, GIZ

Dr. Harkanchan Singh, Urban and Regional Development Advisor, GIZ, highlighted the Urban-Act Project and its initiatives in Shimla, including climate risk assessment, urban heat studies, climate-responsive planning, and C&D waste management based on the 5R principle. He emphasized collaboration among government agencies, local bodies, and academic institutions to build climate-resilient and sustainable cities.



Support for Construction and Demolition Waste Management Plan – Shimla City

- The plan intends to lay foundation for a full-scale, compliant, and operational processing system for C&D waste within Shimla city.
- The model emphasizes a technically sound, resource-efficient, and cost-effective solution suited to the unique needs of hilly region.
- The proposed system integrates the **5R hierarchy** (Refuse, Reduce, Reuse, Recycle, Recover)
- Aiming to reduce dependence on virgin materials, maximise recovery of resources, and create local markets for recycled products, thereby fostering a circular economy in Shimla.

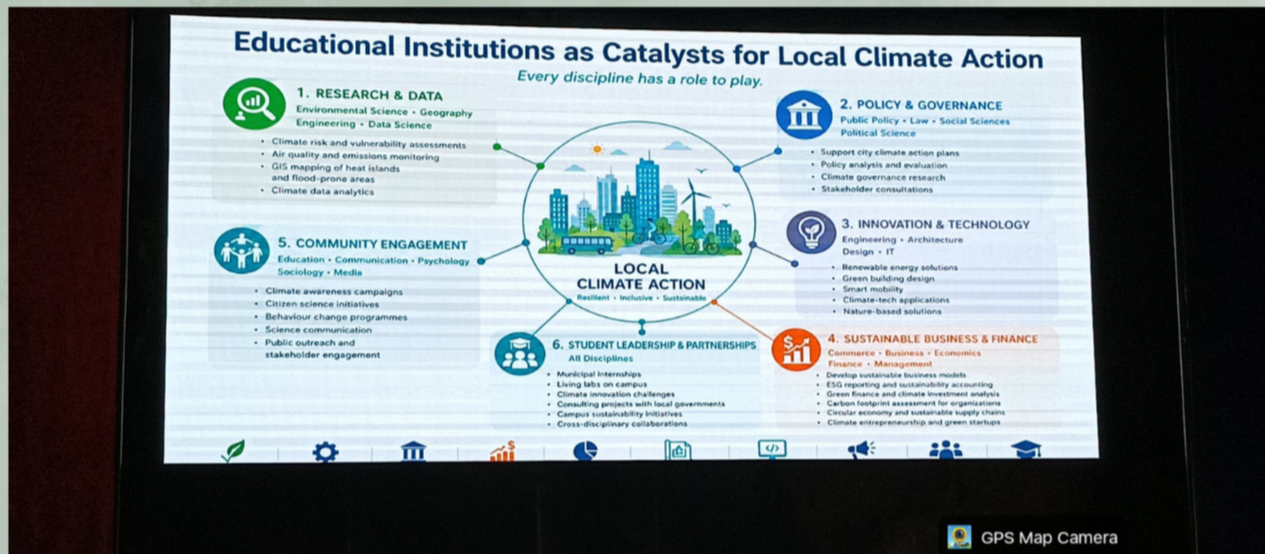
10 July 2026 Urban-Act: Integrated Urban Climate Action for Low-Carbon & Resilient Cities 6 Urban-Act

GPS Map Camera

Shimla, Himachal Pradesh, India 🇮🇳
35vp+mmq Navbahar, Navbahar, Chotta Shimla, Shimla, Himachal Pradesh 171006, India
Lat 31.094147° Long 77.186592°
Friday, 10/07/2026 10:41 AM GMT +05:30

Role of Academy in the International Climate Agenda

Session by: Dr. Ashita Sharma, Cities and Climate Change Technical Advisor, UN-ESCAP, Bangkok



Dr. Ashita Sharma, Cities and Climate Change Technical Advisor, UN-ESCAP, highlighted the role of academic institutions in addressing climate change through research, education, innovation, and community engagement. She emphasized the importance of the Paris Agreement, SDGs, and collaboration in building a sustainable and climate-resilient future, encouraging everyone to imagine, innovate, and make a difference.

“I” can make the Difference

- Imagine
- Innovate
- Impact

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GPS Map Camera

Shimla, Himachal Pradesh, India

Climate Reporting - National Perspective

Session by GIZ: Mr. Liju Mathew, Urban and Regional Development Advisor, GIZ



Mr. Liju Mathew, Urban and Regional Development Advisor, GIZ, highlighted the importance of climate reporting, accurate data, and evidence-based planning in achieving India's climate goals.

The session concluded with an interactive Mentimeter quiz, making learning about climate change and the SDGs both engaging and enjoyable.

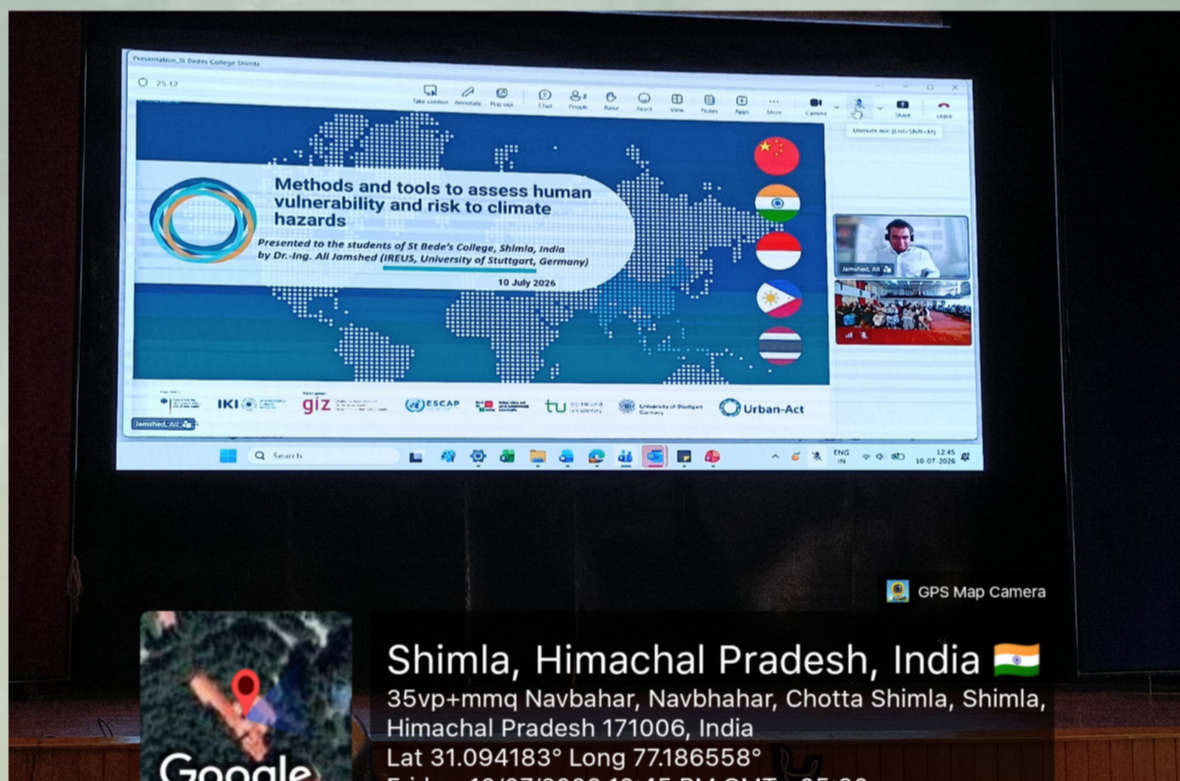
An infographic titled "Climate Action" divided into two main sections: "CLIMATE MITIGATION" and "CLIMATE ADAPTATION".
CLIMATE MITIGATION (Tackling the cause of climate change, REDUCE GREENHOUSE GAS EMISSIONS):
- **EXAMPLES OF MITIGATION MEASURES:** Renewable energy, Energy efficiency, Sustainable transport, Forest and ecosystem conservation, Waste management, Sustainable agriculture.
- **URBAN EXAMPLES:** Rooftop solar on municipal buildings, Electric bus and tram fleets, Walkable, cycle-friendly and green spaces, LED street lighting and smart city solutions, Green buildings and sustainable architecture.
CLIMATE ADAPTATION (Managing the impacts of climate change, REDUCE VULNERABILITY AND BUILD RESILIENCE):
- **EXAMPLES OF ADAPTATION MEASURES:** Disaster risk management and early warning, Urban greening and cool roofs, Water management and flood protection, Coastal protection and sea-level rise planning, Climate resilient planning.
- **URBAN EXAMPLES:** Heat maps and urban planning, Parks and shaded public spaces, Storm water management, Coastal protection and sea-level rise planning, Early warning systems and disaster response.
SOLUTIONS THAT SUPPORT BOTH MITIGATION & ADAPTATION: Urban greening and cool roofs, Electric bus and tram fleets, Walkable, cycle-friendly and green spaces, LED street lighting and smart city solutions, Green buildings and sustainable architecture.
KEY DIFFERENCE: Mitigation focuses on reducing greenhouse gas emissions, while Adaptation focuses on reducing vulnerability and increasing resilience.
At the bottom, there is a Google map showing the location in Shimla, Himachal Pradesh, India, with coordinates 35vp+mmq Navbahar, Navbahar, Chotta Shimla, Shimla, Himachal Pradesh 171006, India. The text "Acting together today for a low carbon, climate resilient and sustainable tomorrow." is also present.

Shimla, Himachal Pradesh, India
35vp+mmq Navbahar, Navbahar, Chotta Shimla, Shimla,
Himachal Pradesh 171006, India
Lat 31.094176° Long 77.186575°
Friday, 10/07/2026 11:48 AM GMT +05:30

Method to Assess Urban Flood Vulnerability and Risk

Session by University of Stuttgart: Dr.-Ing. Ali Jamshed, Institute of Spatial and Regional Planning, University of Stuttgart, Germany (Online session from Germany)

Dr.-Ing. Ali Jamshed, Institute of Spatial and Regional Planning, University of Stuttgart, Germany (online), explained methods for assessing urban flood vulnerability using GIS, remote sensing, and spatial analysis. He emphasized the importance of sustainable urban planning, resilient infrastructure, and evidence-based strategies to reduce flood risks and build climate-resilient cities.



Climate Financing for Cities

Session by- Mr. Ravikumar, Urban and Regional Development Advisor, GIZ



Mr. Ravikumar, Urban and Regional Development Advisor, GIZ, highlighted the importance of climate finance in supporting sustainable and climate-resilient urban development. He discussed funding mechanisms, strategic investments, and the role of governments, development agencies, and the private sector in advancing urban climate action.



Q&A Session for Academia

The programme concluded with an interactive Q&A Session for Academia, where participants engaged with the resource persons to clarify their queries on climate change, urban resilience, sustainable development, climate finance, and research opportunities. The discussion encouraged knowledge sharing, exchange of ideas, and strengthened collaboration between academia and experts for advancing climate action and sustainable urban development.

Conclusion

The workshop concluded successfully with a series of insightful sessions on climate change, urban resilience, flood risk assessment, climate finance, and the role of academia in sustainable development. The expert talks, interactive discussions, and Q&A sessions provided participants with valuable knowledge on integrating climate action into research, education, and urban planning. Overall, the programme strengthened participants' understanding of sustainable and climate-resilient development while encouraging collaboration between academia, policymakers, and development organizations to address emerging environmental challenges.

