



SDG-13: Climate Action

1. Institutional Commitment & Climate Leadership

Amity University Rajasthan (AUR) is strongly committed to **SDG-13: Climate Action**, recognizing climate change as an urgent global challenge requiring scientific innovation, responsible policy frameworks, and community preparedness.

Aligned with the **Paris Climate Agreement**, **UNFCCC Sustainable Pathways**, and India's **National Action Plan on Climate Change (NAPCC)**, AUR drives climate action through multidisciplinary education, research, policy engagement, and campus-wide environmental stewardship.

AUR has implemented a **dedicated Climate Action Policy**, emphasizing:

- Transition toward **low-carbon and renewable energy systems**
- Strengthening **climate-risk resilience and adaptation planning**
- Integrating **sustainability curriculum & research** across disciplines
- Supporting **community awareness & national climate missions**
- Monitoring environmental indicators on campus (air, water, land, biodiversity)

AUR proactively participates in **national & international committees, scientific networks, and working groups** related to climate research, mitigation technologies, and sustainability education.

2. Governance Mechanisms & Campus Sustainability

The university has instituted strong governance mechanisms for climate accountability, including:

- External **Green Audit & Carbon Footprint Studies**
- Internal **Energy & Environment Sustainability Committee**
- **Campus Renewable & Low-Carbon Energy Adoption**
- Tree cover enhancement & green-landscape planning
- **Environmental sensor-based monitoring** for air/water/soil data
- **Effluent & Sewage Water Recycling** for landscape irrigation
- Plastic-free campus policy and waste-segregation mechanisms
- **Dedicated Climate Science & Environment Research Centre (COAST)**



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These mechanisms demonstrate a systematic transition toward a **carbon-neutral, future-ready academic environment**.

3. Key Climate Action Programs & Initiatives

4th International Convention on Green Environment, Technology & Entrepreneurship

This international convention convened global climate leaders, academics, industry professionals, green entrepreneurs, and youth innovators to accelerate **climate-smart innovation and green economy transformation**.



Key themes covered:

- Climate-resilient development and policy pathways
- Green technology & clean-energy innovation
- Sustainable startup ecosystem & green entrepreneurship
- Responsible resource management & circular economy
- Youth innovation for climate response

Impact:

- Trained students on **climate entrepreneurship & innovation ethics**
- Developed collaborations & innovation pipelines for **climate-resilient technologies**



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- Encouraged development of **green business models** and sustainability-aligned ventures

The convention strengthened AUR's role as a **regional climate knowledge hub**, supporting next-generation climate leaders.

4. Research, Innovation & Capacity Building

AUR's faculty and research scholars conduct climate-focused R&D across multiple domains:

- Climate science & environmental modelling
- Desert ecosystem studies & dryland agriculture resilience
- Energy-efficient building & green campus practices
- Renewable and low-carbon technologies
- Climate-linked biotechnology and biorefineries
- Sustainable waste-to-resource innovations

The university's **Centre Ocean Atmospheric science and Technology (COAST)** and for **Centre for Water Studies** monitors **climate change issue, water cycles, and environmental resilience over Rajasthan**, contributing actionable data and research outputs aligned to **local desert ecology and global climate priorities**.

5. THE SDG-13 Indicator Alignment

THE Indicator	AUR Contribution
13.1.1	Climate policy, carbon-reduction strategy, renewable transition
13.2.1	Climate education programs, research integration
13.3.1	International climate convention, outreach, training
13.4.1	Participation in climate networks & govt committees
13.5.1	Environmental monitoring, external audits

7. Monitoring & Evaluation

Climate action progress is monitored through:

- Environmental Data Observation (COAST), Modeling and Risk assessment
- Annual **Green Audit & Carbon Progress Review**
- Cross-department climate research reporting



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- Policy alignment with national climate directives

8. Future Roadmap (2025–2030)

AUR aims to become a **model climate-neutral campus**, supported by:

- Establishment of **Disaster Risk Reduction clubs**
- **Enhance the Environmental monitoring Facility at Campus**
- **Solar energy expansion** & energy-efficiency tech deployment
- **Climate Leadership Program** for youth & policy aspirants
- Research on Desert Meteorology
- Grassroots **climate literacy & disaster-preparedness campaigns**