

Geographic Perspectives on Climate Change Mitigation in Urban and Rural Environments

Call For Abstracts

29, Jan / 31, Jan 2024

In Collaboration with University of Salento

Conference Email

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Conference Topics

1. Applications of Climatology in Urbanism

- 1.1. Urban Mapping and Environmental Spatial Data Analysis
- 1.2. Satellite Imaging and Remote Sensing of Atmospheric Effects
- 1.3. Effect of Weather Variability on Agriculture & Vegetation in Cities
- 1.4. Natural Ventilation and Airflow in Urban Environments
- 1.5. Climatic Factors Influencing Urban Planning and Development
- 1.6. Mitigation of the Heat Island Effect in Urbanism
- 1.7. Hydrology in an Urban Context
- 1.8. Energetic Communities for Sustainability

2. Meteorology and Disaster Prevention in Urban and Rural Environments

- 2.1. Weather Forecasting and Predictive Analysis
- 2.2. Pre-emptive Warnings and Precautions
- 2.3. Monitoring Atmospheric Pollution and Particulate Matter Concentration in Cities
- 2.4. Innovations in Emergency Response Tools
- 2.5. Urban Climate and Decarbonization
- 2.6. Climate Change: Risk Assessment
- 2.7. Forestry and Agriculture to Mitigate Climate Change
- 2.8. Circular Economy in Urban and Rural Areas

3. Climatic Impacts and Response Methods in Rural Environments

- 3.1. Geographic Obstacles Hindering Rural Areas' Climatic Adaptation
- 3.2. Rural to Urban Migration and Social Geographic Shifts as a Result of Climate Change
- 3.3. Climatology within a Rural Context
- 3.4. Ecological Geographic Shifts and Natural Habitat Destruction in Rural Areas due to Climate Change
- 3.5. Rural Economies' Influence on Climatic Adaptation
- 3.6. Governmental Policies, and NGO's Influence on Rural Climatic Adaptation

4. Environmental Impacts on Human Geography and Culture

- 4.1. Cultural Habits and Their Environmental Effects
- 4.2. Social Norms' Contributions to Climate Change Mitigation
- 4.3. Reciprocal Environmental Relation Establishment
- 4.4. Revitalization of Green Public Spaces and Livability in Cities
- 4.5. Integration of Greenery in Urban Development
- 4.6. Creative Expression and Media for Promoting Climate Change Awareness

5. Sustainable Transportation and Transit Systems

- 5.1. Minimizing the Carbon Footprint of Urban Transportation Systems
- 5.2. Utilization of Geographic Data and GIS in Transit System Design
- 5.3. Shifting Away from Automobile Reliance
- 5.4. Designing Pedestrian-Centric Urban Environments
- 5.5. Sustainable Pathways of the City

6. Sustainable Governmental Policy and Leadership

- 6.1. Governmental Influence Towards Carbon Neutrality in Cities
- 6.2. Implementation of Sustainable Energy Infrastructures and Networks
- 6.3. Geographic Measurement, Assessment, and Analysis Tools and Design Methods
- 6.4. Data-driven Green Policy and Decision making
- 6.5. Food Policies in Urban Space

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