



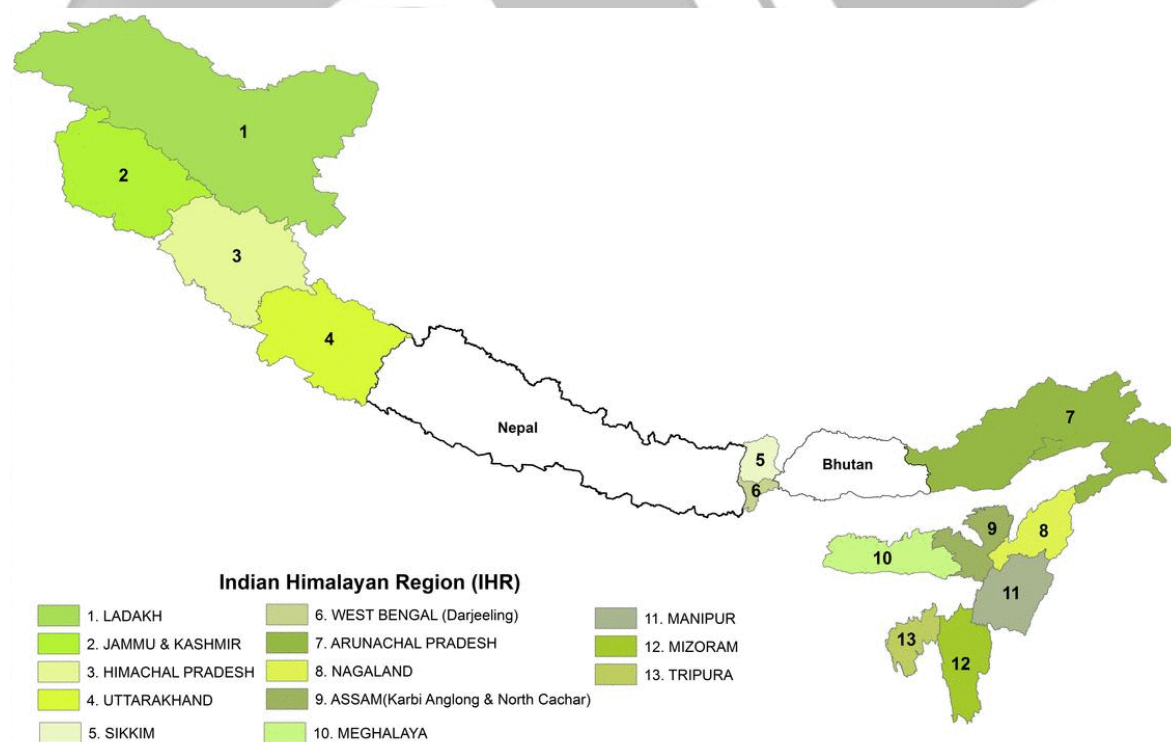
India's First-Ever Climate Change Station

[Source: PIB](#)

India has inaugurated **the Himalayan High Altitude Atmospheric and Climate Research Centre at Nathatop**, Jammu & Kashmir, marking a **major milestone in global climate science**.

Himalayan High Altitude Atmospheric and Climate Research Centre

- **Strategic Location:** The center is located at an altitude of **2,250 meters** above sea level in **Nathatop**, chosen for its **clean air and minimal pollution**.
 - Which makes the center ideal for **high-accuracy atmospheric and climate measurements**.
- **Research Domain:** The centre **will facilitate cutting-edge studies on cloud formation, [aerosol interactions](#)**, and weather patterns.
- **ICE-CRUNCH:** The inauguration marked the launch of the **Indo-Swiss Joint Research Project, ICE-CRUNCH (Ice Nucleating Particles and Cloud Condensation Nuclei Properties in the North-Western Himalayas)**.
 - It focuses on understanding **Ice-Nucleating Particles (INPs)** and **cloud condensation nuclei** (tiny suspended particles, either solid/liquid), pivotal to climate modelling and precipitation patterns in the region.
- **Significance:** It will **enhance India's leadership in climate science** and support efforts to meet **[global climate targets](#)**, including the **country's commitment to [net-zero emissions](#) (by 2070)**.



Read More: [Indian Himalayan Region \(IHR\), Sustaining the Himalayan Ecosystem](#)

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