Our Methodology

How the Climate-Tech Startup Tracker Works

The Climate-Tech Startup Tracker is designed to map and analyse India's evolving climate innovation ecosystem. It combines structured data, sector expertise, and visual intelligence to provide a clear picture of where climate innovation and capital are moving.

1. Defining the Scope

The Tracker focuses exclusively on **India-headquartered climate-tech startups—** companies building solutions that directly contribute to decarbonisation, adaptation, and sustainability. This allows a focused view of the domestic ecosystem while aligning with India's net-zero priorities.

2. Selecting Climate-Relevant Startups

Startups are curated from the broader environment and sustainability space to include only those with **clear climate impact**. We include sectors such as:

- **Energy & Mobility:** Clean energy, storage, EVs, smart mobility
- **Agriculture & Food Systems:** AgriTech, precision farming, climate-smart agriculture
- **Low-Carbon Solutions:** Green hydrogen, EFuels, nuclear fusion, advanced materials
  Non-relevant sectors such as logistics, e-commerce, and retail are systematically excluded.

3. Analysing Funding Activity

Funding data spans **2015 to 2025,** allowing users to track both long-term investment trends and recent sectoral shifts. Each funding round is categorised by stage, sector, and geography to map where capital is accelerating.

4. Climate Taxonomy Classification

Every startup is classified using **Climate Collective's three-pillar taxonomy**:

- **Decarbonisation:** Clean power, industrial efficiency, carbon removal
- **Circular Economy:** Waste reduction, recycling, material innovation
- **Adaptation & Resilience:** Climate-smart agriculture, water security, disaster management
  This structure also guides investor and capital-flow analysis for deeper insights.

The following chart illustrates our taxonomy, where each domain is classified into sectors and further divided into sub-sectors:

DECARBONISATION				CIRCULAR ECONOMY		ADAPTATION & RESILIENCE		
Energy Transition	Industrial Decarbonization	Mobility & Transportation	Carbon Removal & Utilization	Waste Reduction & Recycling	Industrial Circularity & Resource Efficiency	Climate-Resilient Agriculture & Food Systems	Water Security & Management	Built Environment & Urban Resilience
· Clean Power Generation · Energy Storage & Management · Grid Decarbonization · Green Hydrogen & Alternative Fuels	· Fuel switching · Low-Carbon Materials · Process Optimization & Efficiency	· EVs & Charging Infrastructure · Public & Shared Mobility · Sustainable Trucking, Aviation & Shipping · Logistics & Supply Chain Decarbonization	· Engineered Carbon Removal · Nature-Based Solutions · Carbon Markets & MRV	· Plastics & Packaging Alternatives · Material recovery · E-Waste & Battery Recycling · Food Waste & Upcycling · Reuse models	· Materials Innovation · Manufacturing & Supply Chain Circularity · Textile & Fashion Circularity	· Precision Agriculture · Alternative Proteins & Sustainable Food · Climate-Resistant Crops · Agri-Biotech	· Desalination & Water Recycling · Flood & Drought Management · Coastal & Riverine Protection	· Climate-Resilient Buildings · Cooling & Heat Stress Solutions · DisasterTech/Extreme Weather Early Warning Systems
Climate AI								
Climate Risk								
Climate Fintech								
Blockchain								

5. Turning Data into Insights

Once the dataset is curated, it is translated into interactive visualisations that reveal:

- Startup growth and sector distribution
- Funding trends across time, stage, and geography
- Investor activity, preferences, and repeat investments

6. Building the Dashboard Experience

The final output is an **interactive dashboard** where users can explore the ecosystem dynamically — filter by sector, timeline, or geography, and uncover trends in capital movement, innovation hotspots, and emerging opportunities in climate tech.