



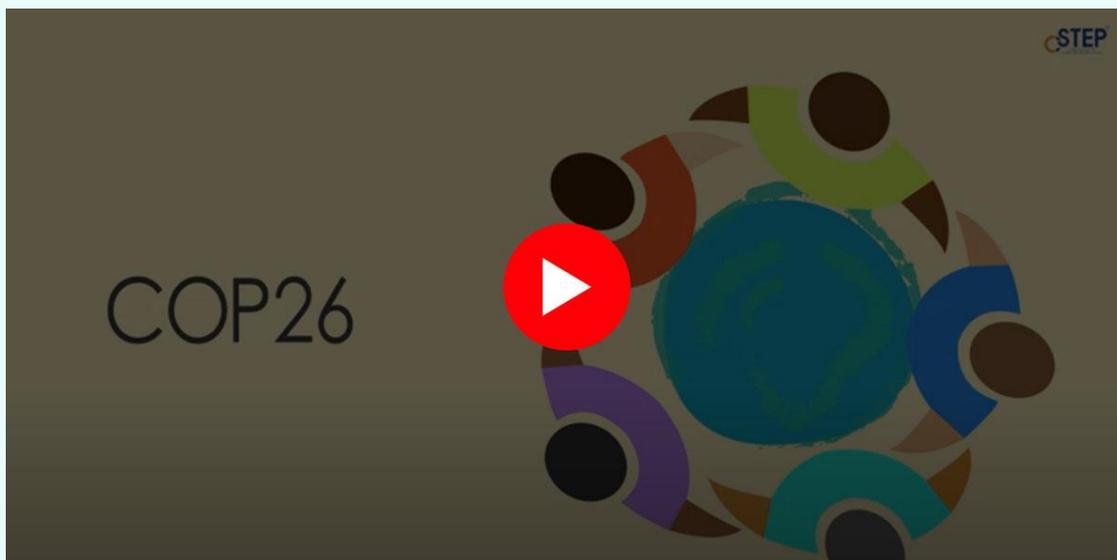
November 2021



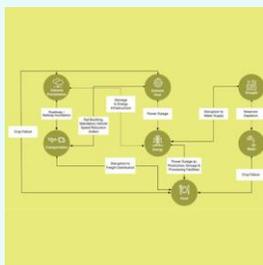
An article written by Ramya Natarajan and Priyavrat Bhati from the Climate, Environment and Sustainability sector underlining India's strategy for a net zero by 2070 scenario was published by [ET Prime](#).



Dr Jai Asundi, Executive Director, CSTEP and Mr Priyavrat Bhati, Sector Head – Climate, Environment and Sustainability Sector attended an [informal meeting](#) called by the Union Minister for Environment, Forest and Climate Change Bhupendra Yadav in Delhi on 6 October to discuss various climate change issues prior to COP26.



In the run-up to the climate conference, the Communication and Policy Engagement team released a video titled '[Climate Conundrum](#)'. This video discusses the historic responsibility of developed nations to play an active role in curbing emissions to keep the hope of 1.5°C alive.



With the renewed focus on climate, CSTEP started a new blog series called 'Risk Watch' in September 2021 on Medium, which examines the lacunae in the current ways of assessing climate risks. In October 2021, we published the second article in this series. The blog, titled '[Looking at Sectoral Interdependencies](#)', was written by Ms Kritika Adesh Gadpayle and Ms Tashina Madappa Cheranda from the Climate, Environment and Sustainability Sector.



Changemaker

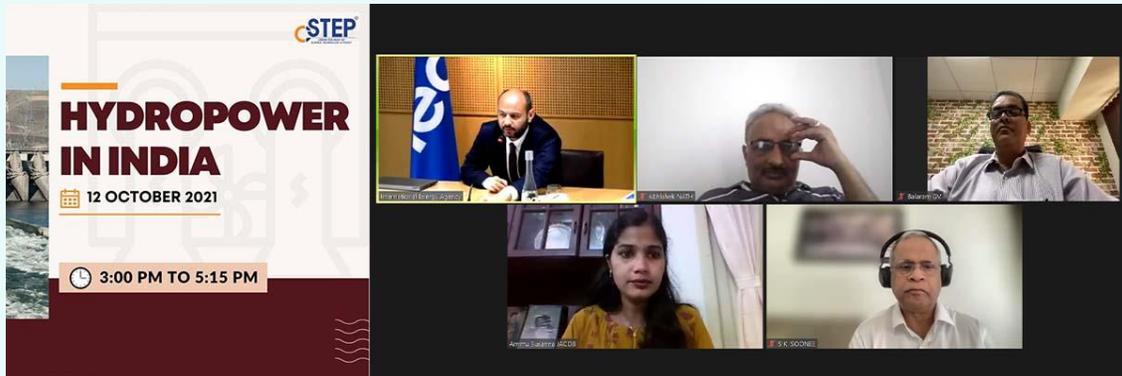
“Public charging stations are the backbone of electric mobility, and planning appropriate locations is the key to proper utilisation of charging stations. Land use, demography, and travel pattern are few of the major parameters that govern location; and parking lots, activity centres, auto/cab stands or halting areas, electric sub-stations are a few infrastructure elements that can provide strong support towards making public charging stations viable.”

– Ms Trupti Deshpande, Senior Research Analyst,
Climate, Environment and Sustainability Sector

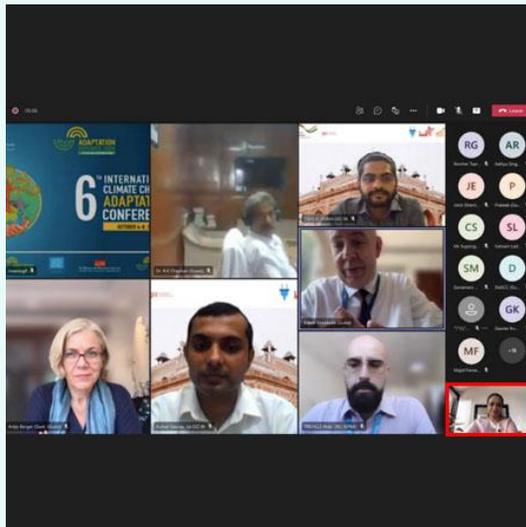


A blog written as part of the Global Goals Week, titled ‘Financially Sound Utilities are Imperative for Universal Access to Affordable and Clean Energy’ was published by [Southern Voice](#). The article co-authored by Ms Rishu Garg from the Energy and Power Sector and Ms Garima Singh from the Communication and Policy Engagement team, reimagines initiatives to achieve SDG 7—affordable access to clean energy.

Events



CSTEP co-hosted a webinar with the International Energy Agency (IEA) on 12 October 2021. Titled **‘The Future of Hydropower: Global Outlook and Implications for India’**, it examined the different aspects of developing hydropower in India sustainably. Further details are available on the [CSTEP Events page](#).



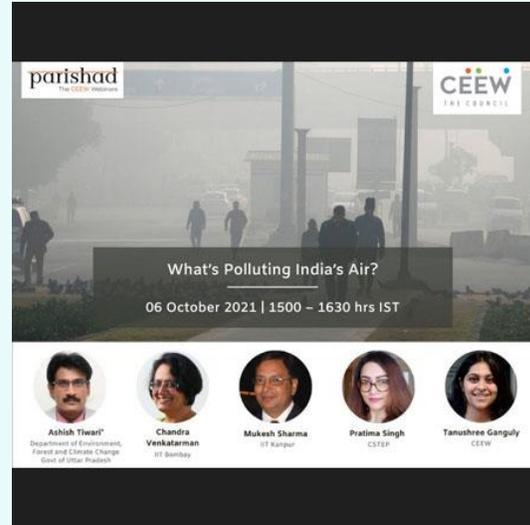
Dr Indu Murthy from the Climate, Environment and Sustainability Sector was invited to speak at a session on **‘India-EU Experience Sharing on Adaptation Planning and Implementation’** at the Adaptation Futures Conference, co-hosted by The Energy and Resources Institute (TERI) and the World Adaptation Science Program (WASP). Given her experience in supporting SAPCC revision processes in different states, Dr Murthy spoke on ‘SAPCC revision process lessons so far’.



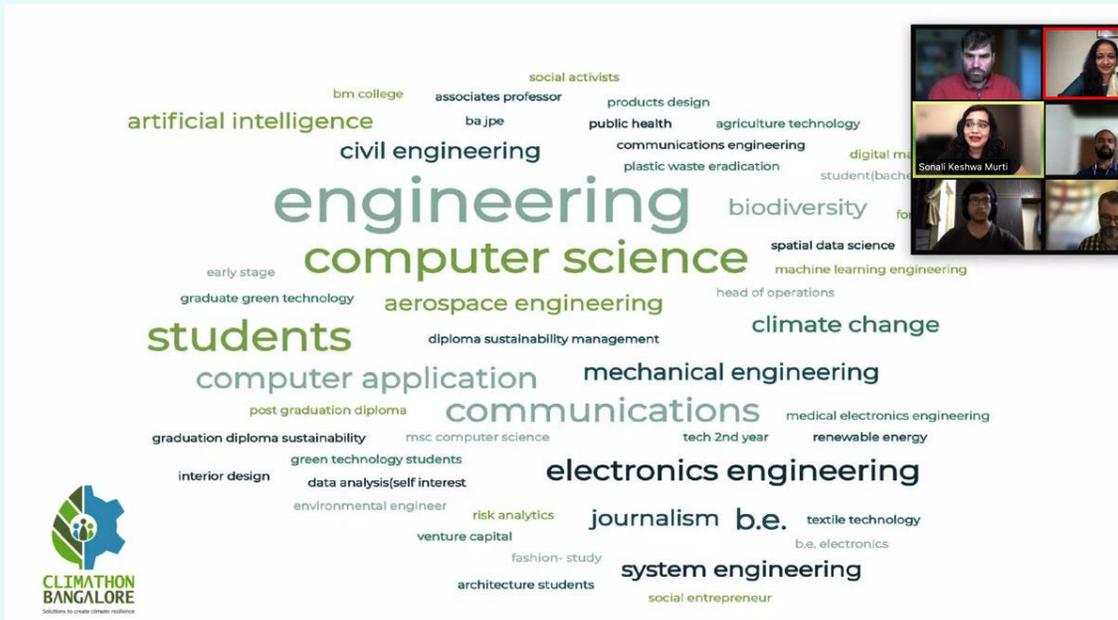
Dr Murthy also chaired the panel discussion on **‘Energy and Water Footprint’** at a webinar organised by the Centre for Ecological Economics and Natural Resources (CEENR) and the Institute for Social and Economic Change (ISEC).



Dr Murthy was invited as a speaker at an event organised by the Center for Public Policy Research, where she spoke on **'Disaster Management in Rapidly Changing Climate Scenarios'**.



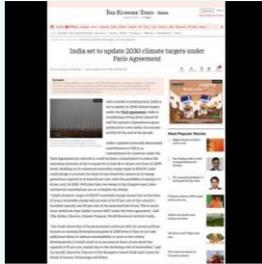
Dr Pratima Singh from the Climate, Environment and Sustainability Sector was invited as a key speaker at the webinar **'What's polluting India's air?'**, organised by the Council on Energy, Environment and Water (CEEW).



CSTEP co-organised **ClimathonBLR 2021** along with the Melton Foundation from 29 to 31 October 2021. The theme for this year was developing solutions for building climate resilience. The event saw large-scale participation from students and researchers from educational institutes and universities in and around Bengaluru. The participants brainstormed and developed practical prototypes to combat the climate emergency. The award ceremony to facilitate the winning team will be held on 11 November 2021.

In the News

In October 2021, CSTEP was featured **twelve** times in the media, including through **five** opinion articles and **seven** quotes and comments by CSTEP researchers published in leading print and digital media platforms.



We are delighted to share that Dr Jai Asundi, Executive Director, CSTEP was quoted in an article in [The Economic Times](#) on the 2030 climate targets under the Paris Agreement. He said that the CSTEP study Sustainable Alternative Futures for India (SAFARI) shows that if the government continues with its current policies and focuses on meeting developmental goals by 2030, it would result in an increase of non-fossil fuel capacity to 57%, mainly due to the declining cost of renewables.



Our webinar 'The Future of Hydropower: Global Outlook and Implications for India' was covered in an article in [Financial Express](#), which mentioned how India is deploying energy storage, especially pumped hydro, as the country mainstreams renewable energy.



Mr Priyavrat Bhati, Sector Head – Climate, Environment and Sustainability was quoted in an article published in [The Times of India](#) on the recently released winter air action plan of the Delhi government. Mr Bhati observed that dust and vehicular pollution, which affect Delhi's air quality, have been ignored in the action plan.



[The Hindu](#) quoted Mr Abhishek Nath, Sector Head – Energy and Power in an article on the recent coal crisis in Karnataka. Mr Nath commented that this year, the power consumption in the country has been more than the pre-COVID levels, and thus, there is a need to focus on renewables.



An article published by [Bloomberg Green](#) quoted Ms Ramya Natarajan from the Climate, Environment and Sustainability Sector. In the article, Ms Natarajan states that with depleting groundwater resources, arable land constraints, erratic monsoons, and dropping crop yields due to climate change, food production must be prioritised over crops for fuel.



Ms Rishu Garg from the Energy and Power Sector was quoted in an article by [The News Minute](#) on the frequent power cuts in Bengaluru. Though Karnataka has surplus power and suffers low losses at the transmission level, Ms Garg stated that distribution sector was proving to be a weak link in the system.



An opinion article, titled 'Climate change could disrupt transition to renewable energy', written by Dr Indu Murthy from the Climate, Environment and Sustainability Sector was published in the [Deccan Herald](#). In this article, Dr Murthy highlights the need for Karnataka to factor in climate risks while planning the transition to renewable energy.



[ET EnergyWorld](#) published an article, titled 'Delivering the Hydrogen economy', written by Mr Dhruv Rajeev from the Energy and Power Sector. In this article, the author writes on the feasibility of different storage applications for hydrogen.



An article written by Mr Abhishek Nath, Sector Head and Mr Yuvaraja SK from the Energy and Power Sector, was published on the [Renewable Watch](#) website. In the article, titled 'Role of AI in distributed solar segment', the authors write how artificial intelligence (AI) can further increase the efficiency of distributed solar generation.



Another article, titled 'How Supportive are Indian EV Policies to Charging Infrastructure in Order to Power the Mobility Transition?', written by Ms Spurthi Ravuri from the Materials and Strategic Studies Sector was published in the [EMobility+ August–September edition](#). In her article, Ms Ravuri opines how the country can tide over the roadblocks by empowering local bodies through funds to install chargers.



[Mobility Outlook](#) published an opinion piece written by Mr Bhupesh Verma and Dr Anjali Singh from the Materials and Strategic Studies Sector. In the article, titled 'Recycling of EV Batteries in India', the authors write how a lithium-ion battery circular economy will benefit the domestic EV and storage industry.

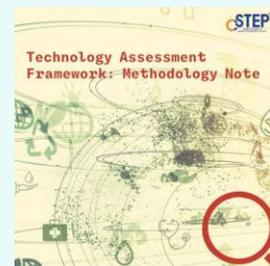
Tipping the Scale

We are delighted to share our latest report, '[Location Planning for Public Electric Vehicle Fleet Charging Stations](#)'. The study focuses on identifying locations for public charging stations to service intermediate public transport (IPT), public transport, and private vehicles in Bengaluru, and developing a scalable and replicable framework, which can be used anywhere in India.



[The Indian Express](#) published an exclusive article based on this report.

Our latest working paper titled '[Technology Assessment Framework: Methodology Note](#)', has developed a comprehensive framework for assessing the sustainability of various technologies for a reduced impact on the environment. This is in addition to assessing technologies on various counts including technical, economic, resource availability, policy and regulatory, and social impacts.



A [video interaction](#) between Dr Jai Asundi, Executive Director, CSTEP and Dr VK Saraswat, NITI Aayog Member and Chancellor of Jawaharlal Nehru University (JNU) was published on our [YouTube channel](#). They discuss the challenges in moving to a hydrogen economy in India and also touch upon other possibilities—such as solar and nuclear energy and energy storage—to make the transition towards clean energy.



We are pleased to share that CSTEP, as an Institute of Repute (IOR), has signed tripartite MoUs for two non-attainment cities Davanagere and Hubli-Dharwad in Karnataka. In these cities, CSTEP will act as a technical partner for the implementation of the National Clean Air Programme (NCAP).



It has been our endeavour to keep you abreast with the significant monthly developments at CSTEP through POLICY Matters. Please feel free to share your suggestions, if any, by writing to us at cpe@cstep.in



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