



**Climate
Connect
Digital**



NEWSLETTER

July 2022

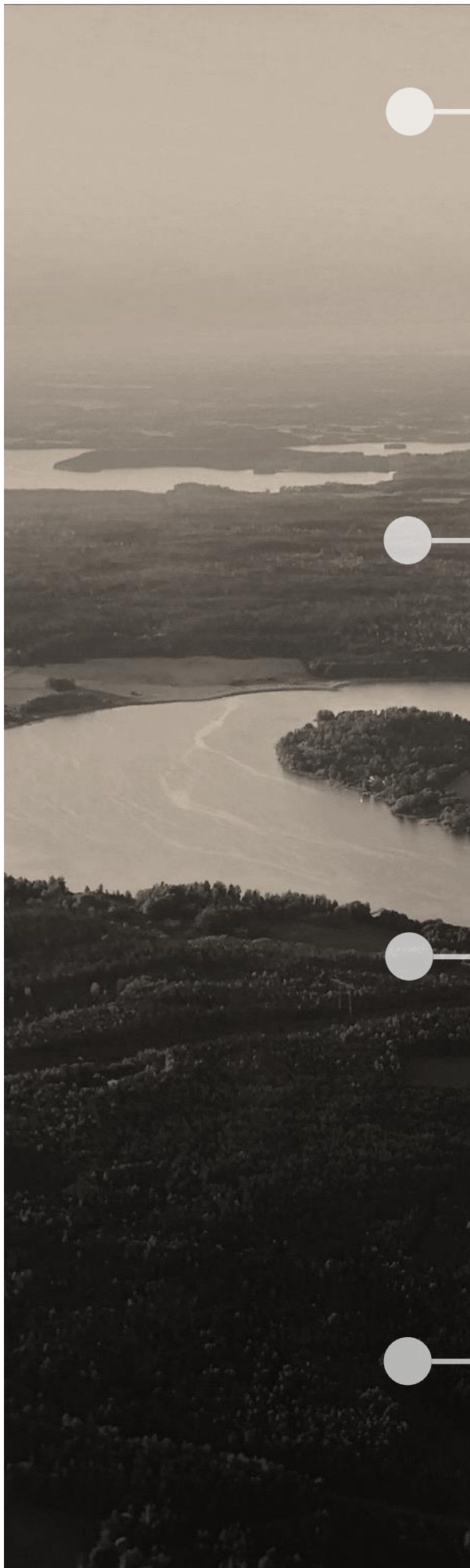


*At the forefront of digital
energy transition*

Climate Connect Digital is a holistic net-zero solutions provider, supporting large and small organizations to get the best from their climate and clean energy assets. The company is an independent subsidiary of ReNew Power-India's largest renewable energy producer. It has offices in London, UK, and Gurgaon, Pune India, with a diverse team working remotely around the world.

In this newsletter, we provide a snapshot of our key activities and successes over the past month. Highlights include new leaders and experts who have joined the team, our contributions to international industry events, product updates, and new IP developed.





People

- Chandan Kumar Fellowship
- Winning at CCD
- YoDaS- Young Data Scientist Program
- Leaders Joining the Family

Events

- Laying Global Groundwork in Barcelona
- Exploring Carbon with Singaporean Partners
- Creative Thinking for CarbonMax in India

Products & Customers

- RetailMax
- CarbonMax
- Venturing in Carbon Market

Research



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The CCD family lost Chandan, a beloved colleague to the COVID-19 pandemic. To honor him, a new scholarship scheme was set up in his memory, giving him a worthy legacy.

This memorial scholarship provides financial aid to deserving and promising students wishing to pursue higher education in the energy field, especially energy economics, which Chandan had a deep passion for. To promote this platform and attract applicants, the team has built a dedicated memorial website.

The first awardee of the scholarship is now pursuing a Master's course at the Indian Institute of Technology, Kanpur, India. Our heartfelt thanks to the voluntary contributions collected from well-wishers across Europe, India, and the USA.

Remembering Chandan Kumar (Gold medalist in Economics) 1988 - 2021



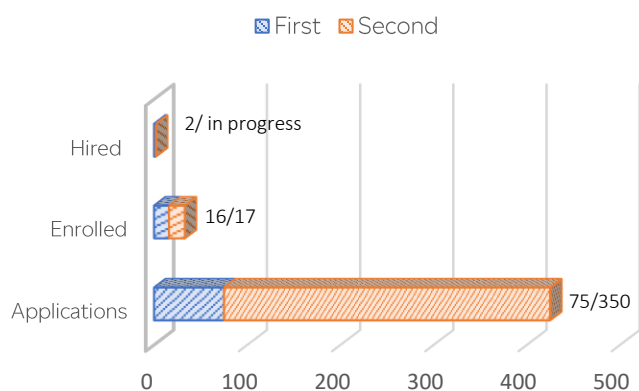


The YoDaS program is an eight-week paid Data Science training program designed & led by Akash Gandhi, Lead Machine Learning Scientist at Climate Connect Digital.

So far, we have successfully rolled out two batches and from the first batch, we have given full-time roles to two candidates.

A dedicated webpage was launched in June 2022 to facilitate the application and selection process.

As a result, the program received 350 applications, a significant increase from the 75 applicants for the first batch. A total of 17 candidates have been selected for the second batch and the training is currently in progress.



Budding data
scientists at CCD



"A pat on the back" for years of Digital excellence in the Indian power sector



Climate Connect Digital has been at the forefront of deploying AI and ML software for its customers across generation, transmission, and distribution projects. Based on this work, we are honored to have been shortlisted by the Ministry Of Power (MoP) under the Revamped Distribution Sector Scheme (RDSS) as a leading technology solution provider. This is in recognition of our efforts to enable digital transformation for Discoms and Utilities, with AI/ML-driven demand forecasting.

At the Review Planning and Monitoring (RPM) meeting recently held in New Delhi, Saurabh Shrivastava, Head of Utilities, received a 'Letter of Engagement' on behalf of CCD from Shri R.K. Singh, the Honorable Cabinet Minister (Power, New and Renewable Energy)

Welcoming leaders to our family

CCD team has grown by about 5.2% in terms of new hires, within two months. Meet the two new leaders who are ready to harness this force for good...



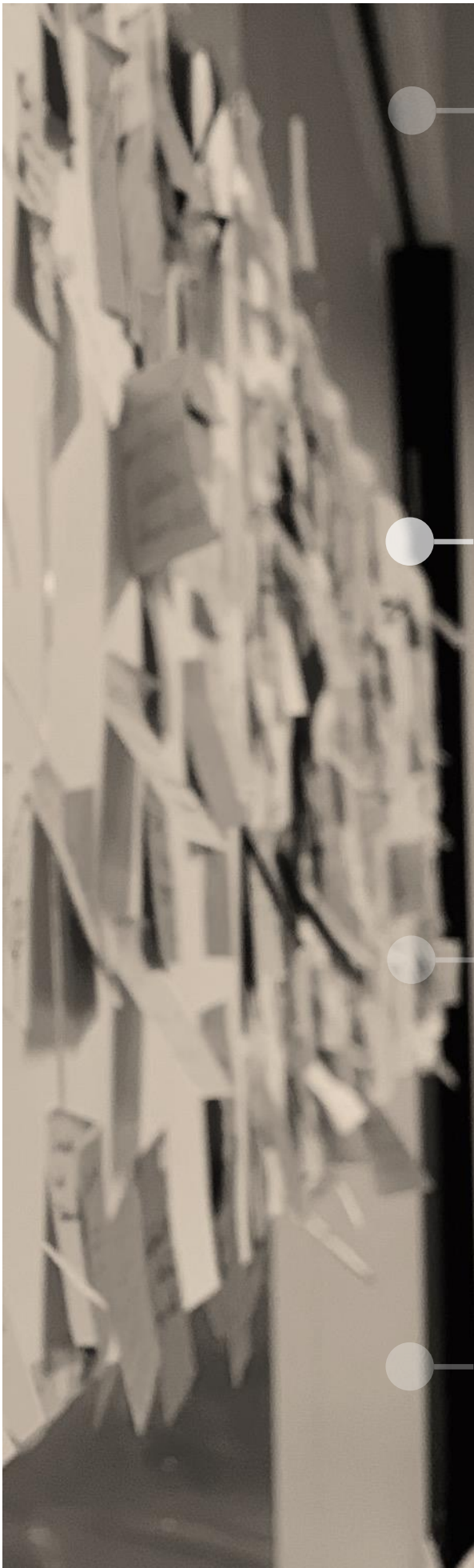
Dr. Mustafa Ali Khan has joined CCD as Head- Carbon and Climate Strategy. He brings deep knowledge and passion for the field, with a PhD in Forestry & Carbon, M.Phil in Traditional Agro, M.Sc. in Environmental Science, and B.Sc. in Microbiology. His rich experience spans 13+ years in the Climate & Carbon sector.

Prior to CCD, he was working with the Swiss Development Agency as a Team Leader. He also worked with CEO Nitin Tanwar in the early days of Climate Connect Digital as a Climate Market Facilitator.



Stuti Mehra Sriram has joined CCD as Head of Human Capital. bringing 17+ years of experience in learning and development, and Human Resources. She is passionate about bringing different cultures and people together, and creating sustainable, scalable, and resilient organizations.

She is an active advocate of people-first cultures and translating these into measurable business outcomes. Outside of work, she spends her time painting watercolors, gardening, and planning her next staycation..



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Expanding horizons across international markets

EU Climate Summit, Barcelona

Dr. Mustafa Khan, Head-Carbon and Climate Strategy, and Rahul Rana, Director at CCD were among the 300 climate experts from around the world who attended the EU Climate Summit in Barcelona, in May 2022.

The Summit lay the groundwork for investors, carbon market regulators, and leading businesses to participate in long-term carbon offset projects. Climate Finance Partners (advisors to the first exchange-traded fund linked to carbon markets) have established a new fund for such investments.



Capacity Building Workshop, Singapore

The Climate Connect Digital team, led by Mustafa, gave a two-day capacity-building workshop on “*Leveraging Climate Markets for Sustainable Business*” to the staff of Eightfold Legacy in Singapore in June 2022.

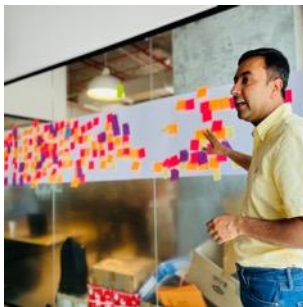
The specific objectives were to first provide a basic understanding of carbon markets. Then deep dive into the challenges and depth of information required to develop and register carbon offset generating projects.



EUROPEAN
CLIMATE
SUMMIT

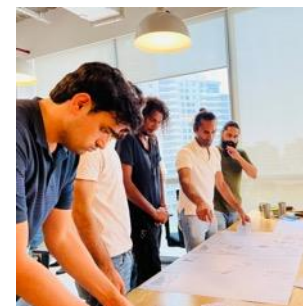
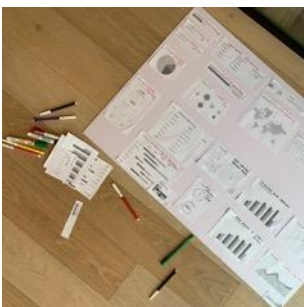


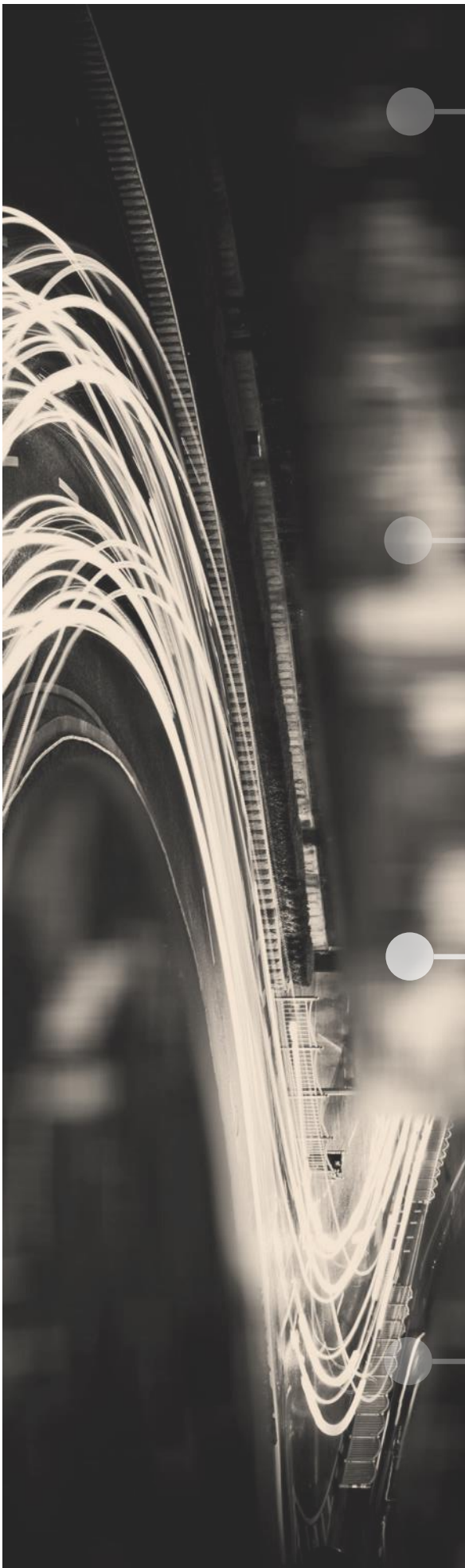
Brainstorming on CarbonMax



CCD team has deep knowledge of Carbon markets, and how these are evolving. To provide understanding and an actionable plan to the wider team, a three-day event storming workshop was held at our office premises in Gurgaon, India. The workshop involved all major stakeholders (both developers and non-technical users) to explore and share their ideas for this complex business domain.

We were able to get our data science, carbon trading, research, and ops teams to come together and convert their siloed expertise into a concrete domain model. This kind of cohesiveness will be required to address the fast-evolving new Carbon ecosystem.





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RetailMax pilot commenced

CCD's RetailMax platform focuses on retail energy suppliers and will enable them to provide more efficient and enhanced end-consumer services. A pilot has commenced in the UK, to fully address the challenges in space.

For this, we are working with a B2B energy supplier based in Edinburgh, Scotland. The partnership will provide live customer data, enabling the build-out of our tech stack and key automation. We are primarily focusing on power procurement and hedging while utilizing our forecasting expertise.



Reaching major milestones CarbonMax

CCD is shaping up to be a leading channel manager for carbon and related business. We are helping customers who are striving to achieve net-zero commitments. Our product team is in full swing and has launched CarbonMax, a carbon management solution.

We have a long heritage of carbon market knowledge and want to leverage this expertise in the now fast-evolving sector. We have enabled customers who are generating carbon credits from their projects to sell these at premiums on the market. By enhancing the benefits to customers in this way, we will also be able to engage potential credit players such as BP, Mitsui, and Respect Energy.

Acquisition of New Projects & Clients



With our major focus on being a leading carbon management services provider, we have secured three major contracts. CCD's first engagement is a carbon advisory and consultancy service contract with Ekur Advisors, based in Switzerland.

We now also have two more customers for our carbon vertical – UltraTech Cement and Fourth Partner Energy, both of which have renewable energy projects in India. We have managed their submissions to the Global Carbon Council (GCC) registry.

Another seamless registration on GCC has been a 50MW project belonging to the Indian Renewable Energy Development Agency (IREDA)





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Publications

A series of research papers worked on by our team have been published recently in journals viz. IEEE Xplore, ICPRS (12th international conference on pattern Recognition Systems) & Science direct, Sustainable Energy Technologies and Assessments .

An Ensemble Approach for Short-Term Load Forecasting for DISCOMS of Delhi Across the COVID-19 Scenario

Manish Uppal, Rumita Kumari, Saurabh Shrivastava

ICPS 2021 - 9th IEEE International Conference on Power Systems: Developments towards Inclusive Growth for Sustainable and Resilient Grid (2021),

A Matrix-Based Satellite Cloud Tracking Algorithm

Yash Raizada , Pallaw Mishra , Sanand Sule

ICPRS, 12th International Conference on Pattern Recognition Systems at Saint Étienne, France

The Adaptive Forecast Combiner

Yash Raizada, Rahul Kumar, Sanand Sule

ICPS 2021 - 9th IEEE International Conference on Power Systems: Developments towards Inclusive Growth for Sustainable and Resilient Grid (2021)

Short term load forecasting through heat index biasing approach for smart grid sustainability

Manish Uppal, Dinesh Kumar, Vijay Kumar Garg

Sustainable Energy Technologies and Assessments (2021)

A photograph of two vibrant parrots, likely Scarlet Macaws, flying through a dense, dark green forest canopy. The birds are positioned in the lower center of the frame, with their wings spread wide, showing bright blue, red, and yellow feathers. The background is a thick wall of foliage and branches, with some light filtering through the leaves. The text "Towards Net-Zero" is overlaid in a light blue, sans-serif font across the middle of the image.

Towards Net-Zero