

IETP Research Projects - 2019

The IETP is an independent, multi-stakeholder group that meets periodically to discuss non-linear, radical and transformative opportunities for deeply decarbonizing India's energy sector by 2050. The table below presents a snapshot of the four projects that the IETP has selected for further research.

Project No.	Project Title	Purpose	Research team	Mentors
1	Envisioning India's transition towards decentralised energy systems using combinations of renewables, storage and smart control technologies	The study is meant to re-imagine the role of decentralized energy systems, and end-use applications, identify novel, disrupting and high-impact technology options, and estimate net-benefits of this transition through 2050.	Consortium of: <ul style="list-style-type: none"> • cKinetics Consulting Services Pvt. Ltd. • Global Centre for Environment and Energy at the Ahmedabad University 	<ul style="list-style-type: none"> • Mr. Pankaj Batra • Dr. Winfried Damm • Dr. Arunabha Ghosh • Dr. Geeta Gouri • Mr. Amit Kapoor (and Mr. Vishnu Sudarsan) • Ms. Sakshi C. Dasgupta
2	Envisioning the role and operations of various technology options in a RE-dominant electricity system	The study is meant to evaluate combinations of disruptive low - carbon technology choices, roles they can play, assess pathways to achieve an accelerated transition through 2050, and estimate associated risks, costs and benefits.	Consortium of: <ul style="list-style-type: none"> • KPMG Advisory Services Pvt. Ltd. • Carbon Trust 	<ul style="list-style-type: none"> • Mr. Pankaj Batra • Mr. S.K. Soonee • Mr. Amit Kapoor (and Mr. Vishnu Sudarsan) • Dr. Winfried Damm • Mr. Shalabh Tandon • Dr. Ayodhya Tiwari
3	Developing cost-effective and low-carbon options to meet India's cooling demand through 2050	The study is meant to identify transformational solutions for reducing the space cooling demand for all types urban households by 2050 without compromising on their requirements for adaptive thermal comfort. It will also examine opportunities for deep emission cuts while meeting this demand.	Consortium of: <ul style="list-style-type: none"> • Greentech Knowledge Solutions Pvt. Ltd. • Centre for Advanced Research in Building Science & Energy (CARBSE, CEPT University) • energie-se 	<ul style="list-style-type: none"> • Dr. Satish Kumar • Dr. Arunabha Ghosh • Dr. Anand Shukla • Dr. R R Sonde

4	Transitioning towards efficient practices and cleaner fuels to meet the rising industrial process heat demand	The study is meant to explore game-changing options for meeting steam requirements in industries, and propose policy, regulatory and market enablers to mainstream these options through 2050.	<ul style="list-style-type: none">• Development Environenergy Services Ltd.	<ul style="list-style-type: none">• Dr. R R Sonde• Dr. Anshu Bharadwaj• Dr. Anand Shukla
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