

The CLEAN ENERGY LAB: To cultivate civil society organizations in India's clean energy ecosystem



“The Shakti-ISB Clean Energy Lab is India's first incubation program for early stage civil society organizations with big innovative ideas that can create research and evidence based policy impact.”

Civil Society Organizations occupy an important space between the government, private actors and the public, by virtue of which they can play an effective role in accelerating policy responsiveness.

At the local level, CSOs can build community engagement by drawing out individuals, organizations and coalitions with diverse perspectives and give them a voice in furthering India's clean energy ambitions. Operating out of the sphere of government and business life, CSOs can provide independent inputs

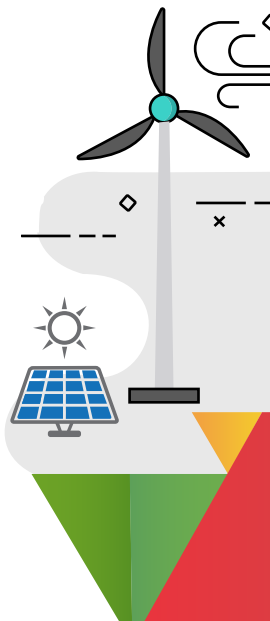
and encourage effective decision making.

While the relevance and participation of CSOs is recognized, more thought needs to be given to how we can broaden the field by assisting in their establishment and strengthening their capabilities. Just scaling existing CSOs may not be enough for solving major, multifaceted energy and developmental challenges across the country. The complexity and scale of clean energy action calls for broader and more engaged research and action from willing and committed stakeholders. Actual outcomes, in turn, will rely heavily on our ability to develop and seed CSOs willing and able to participate in research and advocacy.

This is where the Shakti-ISB Clean Energy Lab comes in.

Today's clean energy innovations will fuel the next energy revolution, enabling growth, unlocking business opportunities and promoting sustainability. But the transition from ideas to action is not easy, creating the need for an extensive support system for development and scale-up. This is why, in 2017, Shakti Sustainable Energy Foundation joined hands with the Indian School of Business to launch the Clean Energy Lab. The Lab is India's first incubation program for early stage civil society organizations that can create catalytic policy impact in the clean energy space.

In 2018, its first year of operation, the Clean Energy Lab is incubating five Fellows with exceptional ideas for work across important clean energy themes. Fellows are being helped to build their ideas into viable institutions which can create research and evidence-based policy impact.



SETTING UP THE CLEAN ENERGY LAB: A GLIMPSE INTO THE PROCESS

Roundtable on programme design in New Delhi

On 4th August 2017, Shakti and the Indian School of Business convened a roundtable in New Delhi bringing together clean energy innovators, not-for-profit leaders and ecosystem builders, to seek inputs on designing the Clean Energy Lab. With the vision of laying a strong foundation for the Lab, this diverse stakeholder group shared experiences and identified a set of core design principles for the incubation programme:

- Creating replicable and scalable models that can be showcased to policy makers
- Enhancing funder engagement
- Creating governance structures to develop accountability
- Making institutions funder ready
- Creating a diversified nucleus of organizations

Drawing on these principles, the Lab invited applications from mid-September to November 2017.

Selection bootcamp at ISB Hyderabad

Out of 120+ applications received, seven finalists were shortlisted to participate in the 5-day selection bootcamp held at the Indian School of Business in January 2018. Finalists were provided capacity building and training to further develop their proposed ideas using design thinking tools tailored for non-profits.

At the bootcamp, the finalists interacted with several eminent speakers and mentors including Ajay Misra, Special Chief Secretary, Energy Department, Government of Telangana, Jayesh Ranjan, Principal Secretary IT & Industries, Government of Telangana, Rajendra Shende, Chairman, TERRE Policy Center, Dr. Arunabha Ghosh, Founder and CEO, CEEW and Krishan Dhawan, CEO, Shakti Sustainable Energy Foundation. Several relevant themes were discussed:

- Design thinking for non-profits with impact metrics and milestones
- Government engagement
- Strategic operations management
- Fund raising for non-profits

At the end of the Bootcamp, five Clean Energy Lab Fellows with promising ideas were selected by the expert jury to participate in the Lab's formal one-year incubation programme.



MEET THE FELLOWS

MITAVACHAN HIREMATH, Center for Sustainability, Policy & Technology Management (SusPoT)

Create data-driven inclusive energy policy research by applying systems thinking-based methods and tools to the clean energy sector

PALAK AGGARWAL, The Batti Ghar Foundation

Create an enabling ecosystem for sustainable energy and technology workforce, innovators, entrepreneurs and end-users

PRATAP RAJU, Climate Think

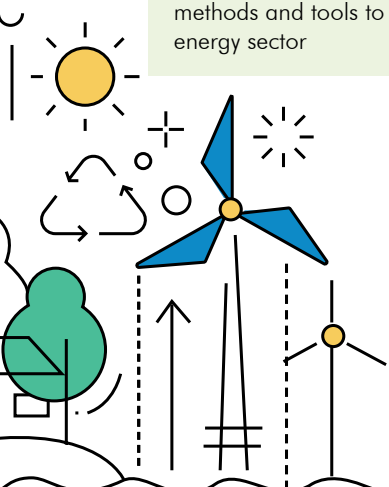
Leverage startups in the climate and environment domains for the redesign of business and solutions to transition towards long-term sustainability

SIMRAN GROVER, Bask Research Foundation

Leverage data science, emerging technologies and innovation to seed a cleaner, efficient, inclusive and robust energy ecosystem

AUMKAR BORGAONKAR

Support consumer participation in end-use energy management and power grid transformation through the creation of research-based evidence and tools



THE INCUBATION PROGRAM: JANUARY – DECEMBER 2018

The Lab's first incubation cycle runs through January-December 2018 providing the Fellows with:

- **Strategic advisory support**
- **Access to finance**
- **Access to networks**
- **Impact measurement**
- **Fundraising support**
- **Dedicated mentorship**
- **Organizational development services**

Over the year, the Fellows will receive intensive support through knowledge sharing opportunities facilitated by clean energy experts.

Workshops

The Clean Energy Lab hosts monthly workshops for the Fellows with each workshop designed to help the Fellows' identify specific challenges, develop their business models, strengthen their research methodology as well as chart out a future strategy for growth. Kickstarting the incubation programme, in March 2018, Fellows engaged in depth with experts from CSTEP and other organizations to discuss experiences around non-profit engagement, role of media and corporate and government engagement. Subsequent workshops focused on themes such as research methodologies, fund raising and organizational development. As the Fellows progress, they will be continuously monitored and assessed.

Webinars

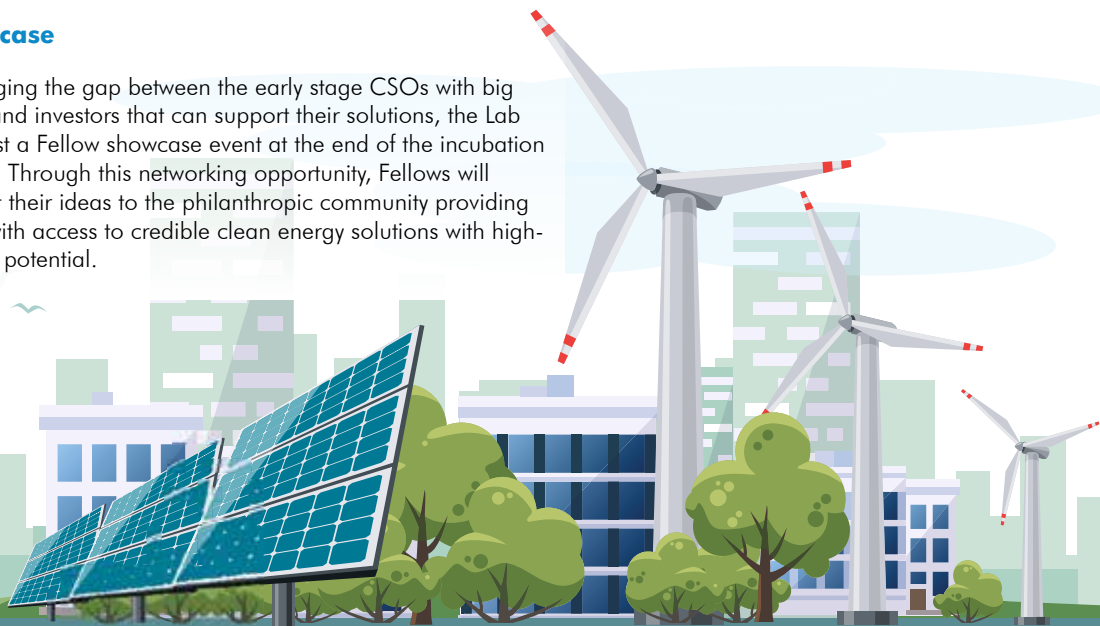
The Lab's webinar series provides the Fellows with practical information resources and knowledge to help them strengthen the capacity of their early-stage CSOs. Themes covered so far include human capital management, CSO regulations and CSR funding.

Value add services

The Lab delivers value add services including legal and research assistance as well as branding and communication support.

Showcase

In bridging the gap between the early stage CSOs with big ideas and investors that can support their solutions, the Lab will host a Fellow showcase event at the end of the incubation period. Through this networking opportunity, Fellows will present their ideas to the philanthropic community providing them with access to credible clean energy solutions with high-impact potential.



EXPERT MENTORS

The Lab's tailored mentoring programme provides support through expert mentors drawn from industries, universities and civil society as well as business leaders. Our mentors include:

Dr Rajendra Srivastava
Dean
Indian School of Business

Krishan Dhawan
CEO
Shakti Sustainable Energy Foundation

Dr Anshu Bharadwaj
Executive Director
Center for Study of Science, Technology & Policy

Dr O.P. Aggarwal
CEO
World Resources Institute

Dr Arunabha Ghosh
Founder-CEO
Council On Energy, Environment and Water

Dr Kartikeya Singh
Deputy Director
Centre for Strategic and International Studies

Anuradha Bhavnani
Regional Director
Shell Foundation

Aparajita Agrawal
India Director
British Asian Trust

Amit Saha
CSO
Coca - Cola

P.S. Narayan
Vice President & Head Sustainability
Wipro

Anurag Mishra
Senior Clean Energy Specialist
United States Agency for International Development

Dr Ashwini Chhatre
Professor
Indian School of Business

Sanjay Dube
Director - South Asia
International Institute for Energy Conservation (IIEC)

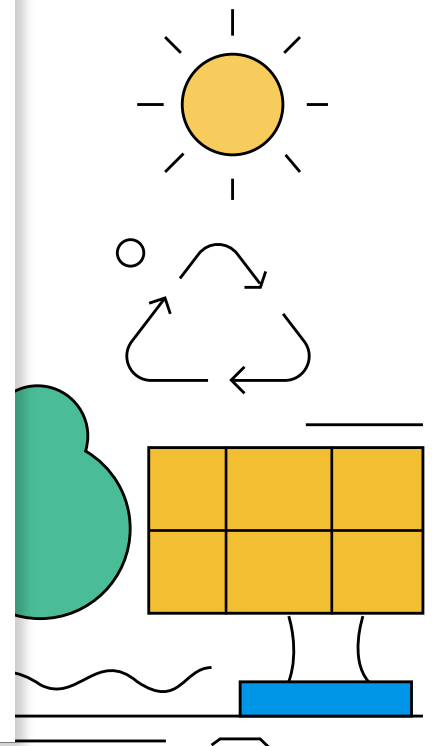
Dr Satish Kumar
Executive Director
Alliance for an Energy Efficient Economy

Prasad Modak
Executive President
Environmental Management Centre

Seema Bhatia-Panthaki
Senior Program Officer
Thinktank Initiative
International Development Research Centre

Ananth Aravamudan
Senior Advisor
Villgro

Dr Prakash Rao
Deputy Director and Head (Energy & Environment)
Symbiosis Institute of International Business



Shakti Sustainable Energy Foundation seeks to facilitate India's transition to a cleaner energy future by aiding the design and implementation of policies that promote clean power, energy efficiency, sustainable urban transport, climate policy and clean energy finance.

The Indian School of Business (ISB) evolved from the need for a world-class business school in Asia. The founders, some of the best minds from the corporate and academic worlds, anticipated the leadership needs of the emerging Asian economies. They recognised that the rapidly changing business landscape would require young leaders who not only have an understanding of the developing economies but who also present a global perspective. The ISB is committed to creating such

leaders through its innovative programmes, outstanding faculty and thought leadership. Funded entirely by private corporations, foundations and individuals from around the world who believe in its vision, the ISB is a not-for-profit organisation.

DLabs is the incubation and acceleration arm of Indian School of Business set up in collaboration with the Department of Science and Technology, Government of India. It aims to support the creation of a vibrant and high impact entrepreneurial ecosystem focused on innovation in key sectors including technology commercialization. DLabs leverages the vast resources, expertise and networks of Centre for Innovation and Entrepreneurship at ISB through mentorship, education and investor connect.