The Climate Solver e-newsletter is a bi-annual update of WWF-India’s innovation initiatives as well as other significant news from the cleantech innovation ecosystem.

WWF-INDIA ANNOUNCES SECOND COHORT OF CLIMATE SOLVER BUSINESS ACCELERATOR AND CAPACITY DEVELOPMENT PROGRAMME WITH 20 CLEANTECH VENTURES

After the success of the first edition of the Climate Solver Climate Solver Business Accelerator and Capacity Development Programme last year, WWF-India along with D Labs Incubator Association, the incubation and acceleration arm of Indian School of Business (ISB) launch the second cohort for the programmes this year. A total of 20 cleantech ventures from the Climate Solver applicant pool of the 2017 and 2018 edition have been selected for the same.

The programmes will support the ventures with tailored business planning expertise and capacity development to address barriers in scaling up their climate innovations. The programmes commence in August, and will run for five months before concluding in a demo day event in December.

Here’s a sneak peek of the ventures for the respective programmes:
WWF JOINS GLOBAL COOLING PRIZE AS AN OUTREACH PARTNER

Global Cooling Prize is an innovation competition to develop a climate-friendly residential cooling solution that can provide access to cooling to people around the world without warming the planet. The competition is being organized by the Operating Council which includes the following organizations - Rocky Mountain Institute (RMI), Conservation X Labs (CXL), Alliance for an Energy Efficient Economy (AEEE), and CEPT University.

This groundbreaking competition is designed to incentivize development of a residential cooling solution that will have at least five times less climate impact than today’s standard Residential Air Conditioning (RAC) units. This technology could prevent up to 100 gigatons (GT) of CO₂-equivalent emissions by 2050, and put the world on a pathway to mitigate up to 0.5°C of global warming by 2100, all while enhancing living standards for people in developing countries around the globe.

The Prize Criteria includes two primary criteria (climate impact and affordability) and additional supplementary criteria that are required to be met by all competing technologies. As an outreach partner, WWF would provide support to help elevate national and global awareness of the prize and encourage innovation and market transformation.

The challenge has received more than 2000 registrations and 445 Intent to Apply forms from 56 countries around the world with diversity of proposed innovations and participation from large AC industry manufacturers, startups, research institutes, not for profits, universities, and individuals.

The detailed technical application is due for submission on August 31, 2019. Read more about the Global Cooling Prize here.
The top 100 high-impact climate solutions were presented at the 4th Mission Innovation Ministerial (MI) in Vancouver in May, where the 24 Mission Innovation (MI) member states together with the European Commission and MI members gathered for their fourth annual meeting.

MI’s Avoided Emissions Framework showcased these 100 solutions that have the potential to reduce global greenhouse gas emissions of almost 3 billion tonnes of CO2 per year by 2030.

The 10 Indian Climate Solver SMEs in the MI 100 solutions are: Aspiration Energy, Atomberg Technologies, Basil Energetics, Carbon Masters, Clique Solar, Ecolibrium, GIBBS, GPS Renewables, Oorja Energy Engineering and Toro Cooling. These innovative solutions making their way to the listing further reinforces their potential to bring transformational impact to drive the clean energy revolution.

MI members announced ambitious new projects and partnerships to accelerate clean energy research and innovation with the aim to bring affordable, reliable clean energy to communities around the world. A new goal of bringing 1000 solutions to MI-5 was also announced.

Launched at the Paris Climate Conference in 2015, Mission Innovation (MI) is a global initiative of 24 countries including India, along with the European Commission (on behalf of the European Union), seeking to accelerate global clean energy innovation and make clean energy widely affordable and reliable. MI countries represent 60% of the world’s population, 70% of GDP, and 80% of government investment in clean energy research. The MI countries are taking action to double their public investments in clean energy R&D over five years while encouraging collaboration among partner nations, sharing information, and coordinating with businesses and investors.

To access the full list of MI 100 solutions click [here](#).

Read more about the MI-4 Ministerial meeting and country highlights [here](#).
**AN INNOVATION TO RESET THE CHAKR OF NATURE**

*Planet Healers E1P1 | Discovery Channel India*

**CLIMATE SOLVER CATCH-UP**

Nominations for the 7th edition of **Climate Solver** awards closed in January 2019, and received applications from across the country. They are currently under the final stage of evaluation, on completion of which the awards ceremony shall be announced. Apart from the adjudged awardees, select SMEs have been shortlisted to provide third party business development support under the expanded initiative. Keep watching this space for more details.

**WWF-India Climate Solver Awardee 2012- Toro Cooling Systems** has recently launched its new cooling product SpaceCool. SpaceCool is a standalone packaged air conditioner specially designed for the two main climate zones in India - Hot and Humid & Hot and Dry. It is a spot cooling solution that is focused on localized cooling, whilst being energy efficient. More details [here](#).

**WWF-India Climate Solver Awardee 2016- Basil Energetics** recently launched its E-Cycle- iZip, in the western Africa. iZip is a completely indigenous product, made in India and is powered by lithium type battery. Read more about the technology [here](#).

**WWF-India Climate Solver Awardee 2017 - Chakr Innovation** featured in Discovery Channel India’s new four-part series called Planet Healers. Planet Healers is a first of its kind series featuring eight start-ups and the extraordinary people behind them who are working tirelessly to find innovative solutions to environmental hazards that we face today. Click below to watch the complete episode, featuring Chakr Innovation’s award winning technology.
WHAT’S HAPPENING IN THE CLEANTECH SPACE?

E-Mobility startup Blu Smart raises $2.2 Mn in seed funding. The funds will be used to expand its offerings and services beyond Delhi NCR. Read more here.

Cleantech company, Inficold in partnership with National Institute of Solar Energy launches off-grid solar cold storage. The configuration uses solar photovoltaic energy to generate cooling & store in the form of ice, which provides cooling in the range of 4 to 10 deg. C to the cold storage. These systems are based on world’s first direct expansion thermal storage which stores cooling in the form of ice during non-solar hours. More details here.

Solar-powered desalination plant in Kenya gives fresh water to 25,000 people a day. Read how the country is turning salt water into fresh water with the power of the sun. As more water-scarce regions pop up worldwide, technology such as this offers an energy efficient way to provide fresh water.

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Registrations are open for the **Cleantech Forum Asia** from 8-9 October 2019 to be held in Singapore. Cleantech Forum Asia brings together easy access to start-ups, scale-ups, investors and multinationals from across the region and the world to network and gain insights into sustainable innovation with the power to deliver a net zero future. More details [here](#).

100 startups from across cleantech, agriculture, IT and Medtech sector in Karnataka make the cut at the **Elevate 2019**. Recognising startups and providing them access to funds, the IT-BT and Science and Technology department’s programme Elevate 2019 has identified 100 winners this year out of the 270 startups chosen for the final rounds that concluded recently in Bangalore. Read more [here](#).

Across the world, energy and economic growth go hand in hand. In India, the demand for energy has been growing at a rapid rate and is expected to soar in the years to come. A slew of startups, operating in various fields and using artificial intelligence, machine learning, and analytics, are at work to help the country transition to sustainable energy sources. Read this article on [YourStory](#) that talks about how startups can help India make the switch to clean energy in the next 10 years.

**CII** invites applications for the annual ‘Innovation Challenge’ competition under the Facility for Low Carbon Technology Deployment jointly implemented by UNIDO and BEE to identify innovative low carbon technologies and solutions to improve efficient end-use of energy and thereby, reduce GHG emissions in the long run. Apply [here](#).

**MIT Climate CoLab** is looking for high-impact proposals on addressing climate change. Eleven new contests are open on a variety of climate-related sub-topics such as building climate resilience in LDCs, GHG reduction in buildings, transportation, industry, cities, & more. Winners will get a chance to present their proposals in international conferences conducted by MIT and join the Climate CoLab winners’ alumni. Know more [here](#).

**Shell** invites applications for its Eco-marathon initiative- a unique global programme for student teams to design and build ultra-energy-efficient cars. More details [here](#).