

AUGUST, &
SEPTEMBER 2022

PARITRAN

NEWS LETTER



Introduction:

ConXerv is the functional committee of the School of Sustainability, XIM University. The committee was established in the year 2015 with the goal of creating an enriched atmosphere that promotes sustainable learning and holistic development, with the goal of assisting the student community in reaching their full potential and serving as transformational leaders for a sustainable future.

This newsletter's objective is to maximize environmental awareness amongst students of XIM University. We present you with the August and September edition of our newsletter, Paritran, in order to empower XIM University students and keep them informed about the newest advancements in the field of sustainability.

Along with the news from Sustainability World, we have included events including Women's Equality Day, which is held every year on the 26th of August, the workshop on "Sustainability in Cruise Industry and Career Opportunity as Environmental Officer", facilitated by ConXerv on August 24, the webinar on "SDG Index" on August 05, and the session on "UNDP & its Impacts in Odisha" on August 17, facilitated by Prof. Dr. Elizabeth Abba, Webinar on "Montreal Protocol - Policy Lessons from one of the Most successful International Agreements", Parivartan' 22: Annual Business Conclave for Sustainability Management, and the workshop on "Improving the health of Peace Officers (Traffic Police) in the city of Bhubaneswar".

Highlights:

Latest news on:

*Climate Change,
Sustainability and Human
Development from around the
globe*

Events:

*Zero Emissions Day
&
Workshop on "Sustainability in
Cruise Industry and Career
Opportunity as Environmental
Officer"
&
Webinar on "SDG Index"
&
Session on "UNDP & its Impacts in
Odisha"
&
Webinar on "Montreal Protocol -
Policy Lessons from one of the
Most Successful International
Agreements"
&
Parivartan' 22
&
Workshop on "Improving the
health of Peace Officers (Traffic
Police) in the city of Bhubaneswar."*

Zero Emissions Day

An international day of action called Zero Emissions Day calls for a future free of the air pollution that fuels global warming. People all across the world participate in events on September 21st to promote clean air and lower greenhouse gas and carbon emissions.

Zero Emissions Day began in 2008 when its founder, Ken Wallace, launched a website in Nova Scotia, Canada, calling for September 21st to be a day when no fossil fuels are consumed. It has since grown into a global movement that seeks to implement a 24-hour moratorium on the combustion of fossil fuels. Giving our planet one day off a year" was the message, which was quite straightforward and easily understood by anyone. It was translated into 12 other languages. Everyone is supposed to have a "relax day," so why not allow the earth to take a break from emissions and pollution?

The purpose of Zero Emissions Day is to increase public awareness of the need for alternative energy sources to fossil fuels and to motivate people and organisations to take action to save the environment. For the day, many participants promise not to travel by polluting modes of transportation like cars and aeroplanes. Others spend the day learning about natural resources and sustainable energy sources like solar and wind power.

Zero Emissions Day serves as a timely reminder that each of us must do our part to preserve the environment in order to ensure its sustainability in the future.



ZERO
Emissions Day

Elon Musk says the world still needs oil and gas (August 29, 2022)

The world must continue to extract oil and gas in order to sustain civilisation, while also developing sustainable sources of energy, Tesla founder Elon Musk told reporters at a conference in Norway on 29th August. "Realistically I think we need to use oil and gas in the short term, because otherwise civilisation will crumble," Musk said on the sidelines of an energy conference in the southern city of Stavanger.

Read more at:

<https://economictimes.indiatimes.com/news/international/business/elon-musk-says-world-still-needs-oil-and-gas/articleshow/93852846.cms>

IndiGo joins WEF's sustainable initiative. (August 29, 2022)

The country's largest carrier IndiGo on August 29, said it has joined a sustainable initiative spearheaded by the World Economic Forum (WEF).

"IndiGo's commitment to the deployment of sustainable initiatives will help in achieving a significant scale for SAF (Sustainable Aviation Fuel) to gain a critical mass and bring in cost-efficiency for widespread adoption in India," it said in a release.

Read more at:

<https://economictimes.indiatimes.com/industry/transportation/airlines/-/aviation/indigo-joins-wefs-sustainable-initiative/articleshow/93861640.cms>

Cochin International Airport: India's champion in sustainable energy. (August 29, 2022)

The Cochin International Airport became the first 'green airport' in the world, for which it was awarded the Champions of Earth award 2018, United Nations' highest environmental honour. The airport fully operates on solar power, which meets all its electricity requirements. This is no small feat as the Cochin airport stands to be one of the most important airports for not just India but the rest of the world.

Read more at:

<https://economictimes.indiatimes.com/industry/renewables/cochin-international-airport-indias-champion-in-sustainable-energy/articleshow/93857941.cms>

Re Sustainability to recycle 30,000 tonnes of Supertech's twin towers demolition waste. (August 31, 2022)

Re Sustainability, Asia's leading environmental management and circular company, has been given the responsibility to deal with the construction and demolition waste generated and ensure efficient waste collection, recycling and resource recovery, the statement said.

The company will process 300 tonnes of waste daily at its construction and demolition waste processing and recycling facility in Noida in three months.

Read more at:

<https://economictimes.indiatimes.com/news/india/re-sustainability-to-recycle-30000-tonnes-of-supertechs-twin-towers-demolition-waste/articleshow/93905975.cms>

Green bank can help India turn carbon neutral. (August 05, 2022)

Sectors like power and steel, which are today among the major carbon emitters, need heavy investment to cut their carbon footprint. This would require companies to have access to significant 'green finance', top industry executives said during a panel discussion as part of the ET Sustainability Forum.

Read more at:

<https://economictimes.indiatimes.com/industry/renewables/green-bank-can-help-india-turn-carbon-neutral/articleshow/93356488.cms>

Sebi proposes the blue bonds concept for sustainable financing activities. (August 08, 2022)

Markets regulator Sebi has proposed the concept of blue bonds as a mode of sustainable finance, saying such securities can be utilised for various blue economy-related activities, including oceanic resource mining and sustainable fishing. Also, the watchdog has suggested strengthening the framework for green bonds by amplifying the definition of green debt securities and enhancing disclosures, according to a consultation paper.

Read more at:

<https://economictimes.indiatimes.com/markets/stocks/news/sebi-proposes-blue-bonds-concept-for-sustainable-financing-activities/articleshow/93433121.cms>

From Ukraine to Russia to France, PM Modi's India wins global praise at UNGA (September 26, 2022)

At the ongoing United Nations General Assembly (UNGA) session India has been winning praise from several developing and developed nations both for its economic and foreign policy. Some of the most powerful voices, including Ukrainian President Volodymyr Zelenskyy, Russian Foreign Minister Sergey Lavrov and French President Emmanuel Macron have referred to Prime Minister Narendra Modi's India in a positive light.

Read more at:

<https://economictimes.indiatimes.com/news/india/from-ukraine-to-russia-to-france-pm-modis-india-wins-global-praise-at-unga/articleshow/94444115.cms>

Asian coastal cities sinking fast: Study (September 23, 2022)

Sprawling coastal cities in South and Southeast Asia are sinking faster than elsewhere in the world, leaving tens of millions of people more vulnerable to rising sea levels, a new study says. Rapid urbanisation has seen these cities draw heavily on groundwater to service their burgeoning populations, according to research by Singapore's Nanyang Technological University (NTU), published in the journal Nature Sustainability last week.

Read more at:

<https://economictimes.indiatimes.com/news/international/world-news/asian-coastal-cities-sinking-fast-study/articleshow/94395640.cms>

Oyo working on "green tag" for sustainable hotels on its platform: CEO (September 21, 2022)

Hospitality and travel-tech firm Oyo is currently working towards bringing a 'green tag' for sustainable hotels listed on its platform, CEO Ankit Gupta said on September 21. The 'green tag' will be assigned to hotels that are eco-friendly in terms of features like using solar power-enhanced efficient lighting and rainwater harvesting.

Read more at:

<https://economictimes.indiatimes.com/tech/startups/oyo-working-on-green-tag-for-sustainable-hotels-on-its-platform-ceo/articleshow/94334256.cms>

Sunteck Foundation gives sustainable lifestyle a push with the 'Life by the Sea' initiative. (September 15, 2022)

For residents of Mumbai, a day at the beach is always a welcome getaway. The relaxing sea breeze and the scenic landscape are much sought after. To enhance the experience of being by the sea and to protect the pristine beaches of Mumbai, Sunteck Realty, a luxury real estate development company, has joined hands with Plastoconomy Foundation to launch a sustainable lifestyle drive across Mumbai Metropolitan Region (MMR).

Read more at:

<https://economictimes.indiatimes.com/magazines/panache/sunteck-foundation-gives-sustainable-lifestyle-a-push-with-life-by-the-sea-initiative/articleshow/94212522.cms>

NGT slaps penalty of 12,000 crores on Maharashtra for violation of environmental norms in the state (September 09, 2022)

The National Green Tribunal (NGT) on September 09, imposed Environmental Compensation of Rs 12,000 crores on the state of Maharashtra for allegedly not managing solid as well as liquid waste management causing harm to the environment.

The fine on the state was imposed under section 15 of the NGT Act.

Read more at:

<https://economictimes.indiatimes.com/news/india/ngt-slaps-penalty-of-12000-crores-on-maharashtra-for-violation-of-environmental-norms-in-state/articleshow/94084011.cms>

India to assume G20 Presidency for one year from December 2022, (September 13, 2022)

India will undertake the Presidency of G20 meeting for one year beginning from December 1, 2022 to November 20, 2023, stated a press release.

A total of 200 G20 meetings are likely to take place under India's Presidency. The G20 Leaders' Summit at the level of Heads of State/Government is scheduled to be held on 09 and 10 September 2023 in New Delhi, as per the Ministry of External Affairs (MEA).

Read more at:

<https://economictimes.indiatimes.com/news/india/india-to-assume-g20-presidency-for-one-year-from-december-2022/articleshow/94167541.cms>

Workshop on "Sustainability in Cruise Industry and Career Opportunity as Environmental Officer"

ConXerv - Functional Committee, School of Sustainability, XIM University, conducted a Workshop on "Sustainability in Cruise Industry and Career Opportunity as Environmental Officer" on August 24, 2022. Mr. Manjil Banerjee, the fleet environment officer of carnival corporation & plc graced the event as a guest speaker.

He gave us insights into the functioning of the Cruise Industry and career opportunities as a Fleet Environmental Officer. We came across the detrimental impact of the operation of Cruise ships. The maritime compliances ships need to adhere to when it is sailing, and the different modes of Sustainability-related compliances in the Cruise Industry.

Environmental pollution can arise due to various factors such as noise pollution, oil spillage, chemical release, collision with marine life, ballast water release, etc. The ships also have wastewater treatment plants that treat blackwater. It is harmful to discharge blackwater in open ocean but in authorized port areas. A cruise ship with more than 4000 people on board can generate 24 tons of food waste i.e., 30% of the food per day.

Environmental Officers implement and monitor environmental compliances as per the MARPOL guidelines. An environmental officer in a cruise makes sure the ship adheres to the MARPOL compliances, assists the crew in addressing environmental concerns, deals with the regulatory authorities and takes part in environmental audits, participates in shipboard management meetings, and ensures timely notifications of all environmental incidents. They also focus on mitigating climate change, ocean sustainability, Sustainable Tourism, and Biodiversity & Conservation. He talked about the 4 pillars of the International Maritime Organization i.e., Safety at Sea, Training & Certification, Pollution Prevention, and Seafarer Rights.

The carnival cruises are aligned with SDGs to mitigate Climate Change, and food waste, foster Good Health & well-being, and promote Sustainable Tourism, and Diversity, Equity & Inclusion. The session ended with a Question-and-Answer session and a Vote of Thanks by Prof. Dr. Tamoghna Acharya, faculty coordinator of ConXerv.



Webinar on SDG Index

Internationalization is the opportunity to promote an international dimension into teaching and research. To develop an international perspective on Sustainable Development, School of Sustainability, XIM University organized a session on “SDG Index” by Dr. Leslie Bermont Diaz, Economist at Sustainable Development Solutions Networks (SDSN) over a zoom meet for the MBA-Sustainability Management, the batch of 2022-24 on 5th August 2022. The session was coordinated by Prof. Elizabeth Abba, and Associate Professor, School of Sustainability, XIM University.

The speaker introduced the SDGs and the role of SDSN in implementing them. She explained on ‘How to measure SDG Index’, which is SDSN’s annual worldwide study to assess the countries’ progress towards SDGs. The world performance in SDG index and the challenges faced were discussed. She concluded by stating that documenting, planning, and financing sustainable development is the way forward.

MBA SM Batch 2022-24 actively participated in the session by asking questions related Sustainable Development Goals. Students gained a holistic overview on SDG performance of the countries worldwide and the challenges in implementing and measuring sustainable development.

Session on UNDP and its Impacts in Odisha

School of Sustainability, XIM University organized a session on ‘UNDP and its impact in Odisha’ by Ms. Abha Mishra, Head of Officer - Odisha UNDP, for the MBA SM batch of 2022-24 on 17 August 2022. The session was coordinated by Prof. Elizabeth Abba Associate Professor, School of Sustainability, XIM University.

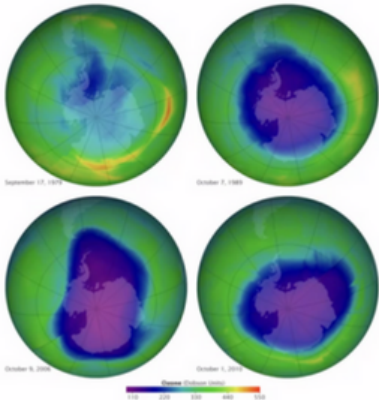
The speaker shared her journey in UNDP and how the UNDP in Odisha has improved the SDG index of the state. By sharing anecdotes with us, she explained how 49 indicators are used to meet the SDGs in India. Lastly, she spoke about the work done with the LGBTQ+ and tribal communities in Odisha and their vision to make the indicators more inclusive.

Webinar on "Montreal Protocol - Policy Lessons from one of the Most Successful International Agreements".

The Montreal Protocol is a model of cooperation. It is a product of the recognition and international consensus that ozone depletion is a global problem, both in terms of its causes and its effects.” To gain a deeper understanding about the Protocol, ConXerv - Committee for Sustainability, School of Sustainability, organized a webinar on “Montreal Protocol- Policy lessons from one of the most successful international agreements" by Ms. Apurupa Gorthi, Researcher Urban Sustainability and Inclusive Development, iFOREST on September 16, 2022. The session was facilitated by Prof. Dr. Tamoghna Acharyya, faculty coordinator of ConXerv Committee.

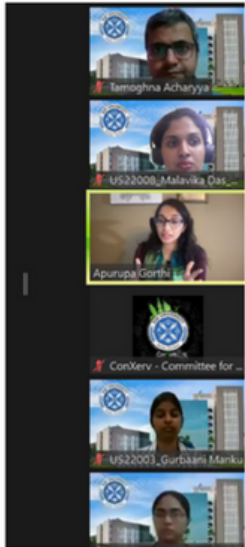
The speaker gave her insight about the important lessons to be learned from the Montreal Protocol. The Common But Differentiated Responsibilities principle required Article 5 and Non-Article 5 countries to explain their consumption trends of CFCs and HFCs and ways through which countries could reduce their consumption.

Montreal Protocol: The origin story



- **1974** - Scientific study showing chlorofluorocarbon (CFC) affecting the ozone layer.
- **1985** - The Vienna Convention for the Protection of the Ozone Layer was instituted in 1985.
- **1985** – Evidence of ozone hole over the south pole.
- **1987** - Montreal Protocol on substances that deplete the ozone layer came into existence.

[Source 1](#)



The speaker spoke about the Basket Approach which refers to different methods countries may take to fulfill their Montreal Protocol targets. A financial mechanism wherein countries are required to commit a certain amount of money for capacity building, technology transfer and upgrades in factory setups through a multilateral fund was set up.

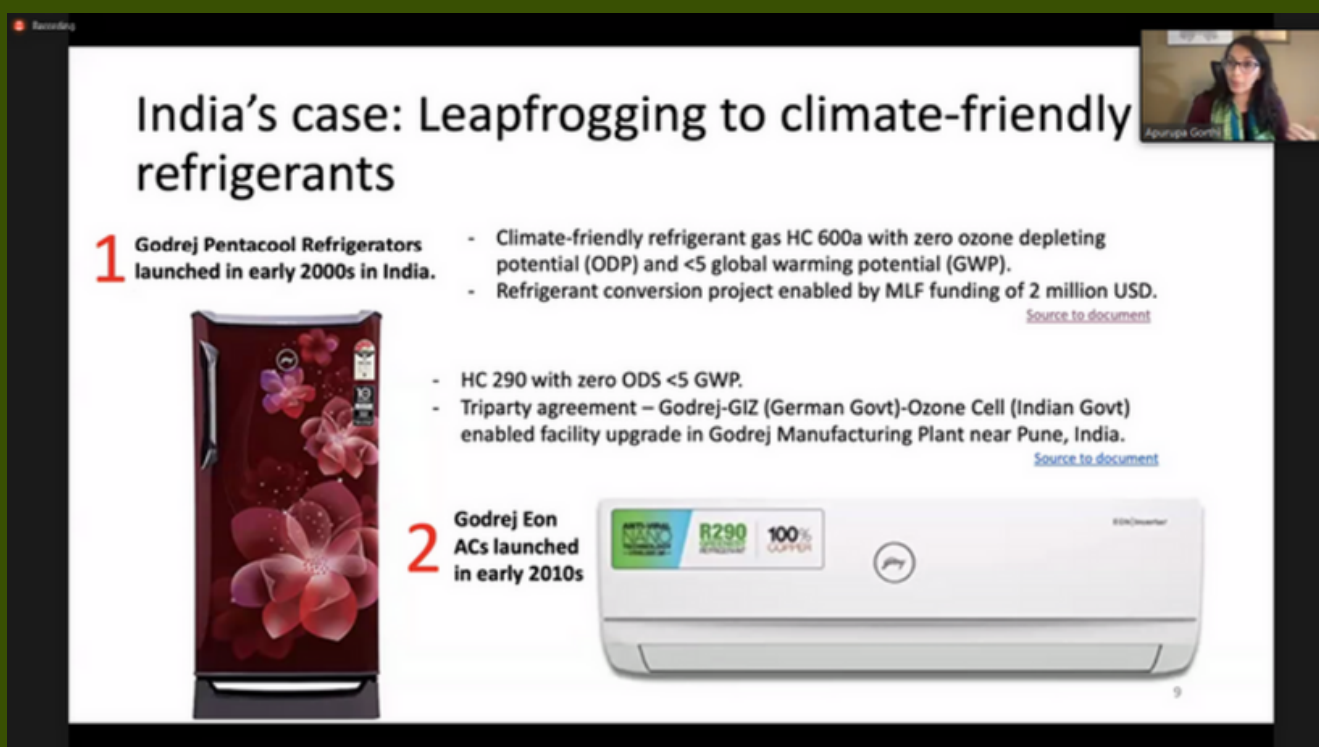
The speaker also shared about the National Ozone Cell for the country which provides the necessary services for the efficient and prompt implementation of the Montreal Protocol and accompanying ODS phase-out program in India. The Ministry established an Ozone Cell whose primary project is the India Cooling Action Plan which is credited with being the first cooling action plan in the world. She also threw light upon how the HFC manufacturing industries need to work with the government to meet the requirements of the Montreal Protocol and innovate their methods.

Webinar on "Montreal Protocol - Policy Lessons from one of the Most Successful International Agreements".

The conversation continued on regarding the amendments that accelerated the mission; these include adjusting or amending the Protocol with respect to evolving technology, better policies, and energy efficiency. This has been done six times since its formulation and the Kigali Amendment 2016, which is the most recently passed amendment called for gradual reduction in the consumption and production of hydrofluorocarbons.

The speaker also pointed out some of the missteps in Montreal protocol like insufficient servicing sector training & capacity building and insufficient coordination between government departments leading to lack of complementary policies. She concluded by giving 7 takeaways from the protocol.

Post the webinar, an interactive Q&A session was conducted where all attendees actively participated. The Q&A session was followed by an online quiz on ozone day hosted by Conxerv on Kahoot platform.



The slide is titled "India's case: Leapfrogging to climate-friendly refrigerants" and features a small video inset of a woman in the top right corner. It is divided into two numbered sections:

- 1 Godrej Pentacool Refrigerators launched in early 2000s in India.**
 - Climate-friendly refrigerant gas HC 600a with zero ozone depleting potential (ODP) and <5 global warming potential (GWP).
 - Refrigerant conversion project enabled by MLF funding of 2 million USD. [Source to document](#)
- 2 Godrej Eon ACs launched in early 2010s**
 - HC 290 with zero ODS <5 GWP.
 - Triparty agreement – Godrej-GIZ (German Govt)-Ozone Cell (Indian Govt) enabled facility upgrade in Godrej Manufacturing Plant near Pune, India. [Source to document](#)

The slide includes images of a Godrej Pentacool refrigerator and a Godrej Eon air conditioner.

PARIVARTAN' 22

"Parivartan", the eighth annual business conclave of Sustainability Management was organized by ConXerv, Functional Committee of the School of Sustainability, XIM University on 17th September, 2022. Every year, this conclave is scheduled to bring speakers of different domains on a common platform and get their opinion on Sustainability. This year, the speakers, associated with different organizations gave us a holistic view of the topic through a very informative discussion.

The theme for the conclave was "*Scope and Challenges of the Electric Vehicle Industry*". and the topic was "*Ecosystem assessment of Electric Mobility: Multi - Stakeholder dialogue*". The speakers of the conclave were "Ms. Ashwini Balasubramanian, Group Chief Engineer at Harley Davidson", "Mr. Vikas Gupta, the Founder, CEO & CFO of e-Ashwa Automotive Pvt. Ltd", "Dr. Sanjeet Kumar is the Deputy Director of Nandankanan Zoological Park, Bhubaneswar, Odisha", and "Mr. Samdarshi, Deputy General manager, Sustainability TATA Motors". "Mr. Anamaya Chaturvedi, Consultant at KPMG India", was the event moderator. The Sponsor of the Event were Dion Automotive (TATA Motors), Bhubaneswar, Odisha.



Miss Ashwini Balasubramanian

*Group Chief Engineer at
Harley Davidson*

Ms. Ashwini spoke on the sustainability revolution in automotive. The speaker pointed out that the transport sector is one of the biggest contributors to GHG emissions. Thus, the need of the hour is to switch to energy-efficient alternatives. She spoke about the blind spots and the challenges of electric vehicles and emphasized that a holistic approach toward sustainability could lead to a positive change. The industry needs to develop diverse solutions including EVs, biofuels, and hydrogen fuels for more efficient solutions.



Mr. Samdarshi

*Deputy General Manager, Sustainability,
TATA Motors*

Mr. Samdarshi Spoke about the scope and challenges of the electric vehicle sector. He rightly pointed out that freight transport is the major polluter in the transport industry. Huge batteries can affect the vehicle's weight-carrying capacity. He stressed the mixed landscape in the vehicle industry where EVs will lead the passenger vehicle sector and hydrogen fuel-powered vehicles will lead the commercial vehicle sector.



Mr. Vikas Gupta

*Founder, CFO, and CEO of,
e-Ashwa*

Mr. Vikas Gupta introduced e-Ashwa Automotive Pvt. Ltd, which is one of the uprising companies in the electric vehicle sector. He compared internal combustion engines to EVs and pointed out the advantages of the latter. The speaker stressed the lack of design advantage for electric vehicles as most EV companies in India are importing components from China and assembling them here.



Dr. Sanjeet Kumar

*Deputy Director of,
Nandankanan Zoological Park,
Bhubaneswar, Odisha*

Dr. Sanjeet Kumar (IFS) spoke on the biodiversity and recreational aspects of Nandankanan zoo. He shared the green initiative taken by the zoo to switch to battery-operated vehicles that do not disturb the species. It also helps them to achieve the goal of becoming a carbon-neutral zoo.

School of Sustainability

Business corporations, UN agencies, government departments, civil society and other development actors are seeking a different cadre of human resources who can align profit with ecological and social mission.

The School of Sustainability is established in XIM University to fulfil XIM University's social and environmental mission of bringing about transformation in our society. The School, being the first of its kind in India, aims to create and nurture the next generation of managers and leaders who can anchor and accelerate sustainability as a strategy for economic growth and sustainable human development.

Thus we take the first steps, knowing we have a Planet to Heal, a Planet to save for ourselves and for our future generations.



For more details, please visit: <https://sos.xim.edu.in/>



<https://bit.ly/3QB5cb8>



<https://bit.ly/3Pel4PK>



<https://bit.ly/3vSQPY1>



<https://bit.ly/3.IJ9T0p>