

INDIA CIRCULAR ECONOMY FORUM ICEF-2022

# CIRCULAR ECONOMY ACTION AGENDA:

## **KEY RECOMMENDATIONS FROM THE INDIA CIRCULAR ECONOMY FORUM**

#ICEF2022 INDIA HABITAT CENTER NEW DELHI 2-3RD JUNE'22

**KNOWLEDGE PARTNER** 



PRESENTED BY



## **Table of Contents**

## 01.



Inaugural speech by Mr Amitabh Kant

03. Plastics and Packaging: A Circular Approach!

## 05.

Fashion and Textile- A closed-loop approach!

## 07.

Systems Thinking and Electronics for the Circular Economy

09. Circular Economy for Climate and Biodiversity

 Circular Cities - Driving growth in Indian Cities!

13. Importance of Waste segregation in Circularity

## 14.

Key Highlights of India Circular Economy Forum (#ICEF2022)

## 02.



"Oceans and Circularity" by Admiral RK Dhowan

04.

Renewable Energy - Call for global action!

06. Automobile: Materiality!

## 08.

Leading Circularity through Education and Innovation!

10. Marine litter - How to save Water bodies?

12. Role of EPR in Circularity!

14. ESG for Sustainable growth!

15. Opinion

## Inaugural Speech: Mr Amitabh Kant CEO, NITI Aayog



I compliment and congratulate the Indian Circular Economy Forum and this huge initiative to bring in circular economy which is truly the need of the hour for India. As India continues to grow at high rates (about 9% to 10% per annum, year on year) for next three decades, it will have to be the first country in the world to industrialize without carbonising. India has done about 110 GW of renewables. India is the only G-20 country which has met its NDC targets, which it had committed in Paris. This has been possible because of disruption by top-class entrepreneurship. India imports 160 billion worth of fossil fuel, but as the hon'ble PM said in his Independence Day address, that by 2047, by the time India becomes 100, we will become totally fossil fuel independent. Renewables and green hydrogen are important pillars to achieve this target.

India is still at the beginning of its manufacturing revolution and circular economy cannot happen without it being an integral part of the design framework. We are trying to take a very comprehensive view on products and processes to achieve minimization of resource use, increasing useful life of products, recovery of embodied resource at the end of used products. We identified 11 areas to facilitate transitioning from linear to circular economy and to give an impetus to manufacturing through the circular economy process. One of the key areas of consideration was EPR (Extended Producers' Responsibility) in areas like electronics, solar manufacturing where producers' responsibility has to be very critical. As India advances as a manufacturing nation, the design component is very critical. Multi-level stakeholder participation is critical in ensuring that businesses are not impacted but the circular economy concept develops as a part of the extended producers' responsibility.

We are going to see 500 million Indians getting into the process of urbanization in the next five decades. It's very important to do sustainable urbanization on the back of 'changing lifestyle' where we are able to bring in circular economy concepts. The Hon'ble Prime Minister, in his speech at COP26 in Glasgow had talked at length about LiFE (Lifestyle for the environment). It's very critical that we change lifestyles to complement the circular economy process and therefore, I would like to congratulate the International Council for Circular Economy for playing a leading role in bringing together influential minds and opportunities for the discourse around circular economy centre stage. This is very critical. The action-oriented approach of the council is providing a roadmap for the future with a pragmatic problem-solving approach.

My best wishes to team ICCE who have played a very critical and significant role. NITI Aayog and all the ministries particularly the MoEFCC will continue to partner you. We look forward to all the deliberations of the conference and recommendations, we'll be very happy to take them forward. We look forward to partnering with you and to a very active collaboration between NITI Aayog and the Council. Thank you very much!



Guest of Honor Admiral RK Dhowan PVSM,AVSM,YSM (Retd) Chairman Society for Aerospace Maritime and Defence Studies Former Chief of the Naval Staff, Indian Navy Chairperson Society for Aerospace Maritime and Defence Studies



Our blue planet, the earth, has a dominance of the maritime domain, with over 70% of the Earth's surface covered by water, nearly 80% of the world's population living within 200 nautical miles of the coast and 90% of the world's trade transiting by sea. Oceans are therefore essential to life on Earth. They are rich in oil, gas and military sources. They are suppliers of 50% of our oxygen. The oceans are also absorbers of 30% of the GHG and Carbon dioxide generated by humankind. Studies have indicated that nearly 80% of all pollutants in the oceans emanate from land. And if the current rate of pollution continues we will have more plastic in the ocean than fish. About 13 million tons of plastics is dumped or flows into the oceans of the world every year and it is the same plastic waste in the ocean which links the oceans to the circular economy. And if we are to utilize this plastic waste as a resource for recycling in our industries, then we would need to adopt the principle or the approach of reuse and recycle and that will ensure reduction of pollution in the oceans, but we will also have raw material which can be utilized.

The Society for Aerospace, Maritime and defence studies, has taken on a very, very dynamic and ambitious project which is to draft a universally accepted Global Maritime Accord (GMA). This unique initiative has the clean, healthy as well as sustainable oceans as the core. It aims to counter the detrimental impacts of global warming and climate change by leveraging the maritime domain to ensure preservation and conservation as well as protection of the oceans. In GMA, we will be looking at various aspects ranging from governance of the oceans to marine spatial planning so as to prevent development of ocean slumps to look into the problems of fishing, the pollution which is generated by the shipping, contamination of the natural marine habitat, small island development by giving them assistance for maritime domain awareness, even space based surveillance so that they can monitor as well as look into aspects related to conservation and preservation and protection of the oceans. As part of GMA, it is also intended to draft a comprehensive action plan clearly outlining what needs to be done, how it will be achieved, who will do it and by when. This is an India led international initiative for global good with the vision of saving the oceans for a safe earth.

We need to extend this initiative to 'Swachh Sagar' or clean and healthy oceans. As a researcher in maritime nation, India needs to take lead and get the other countries of the region and maritime to draw up a comprehensive action plan to ensure clean healthy and sustainable oceans. I would like to take this opportunity to thanks ICCE for organising this conference which is very timely which is need of an hour. I am sure that the enriching presentations and vibrant deliberations take place will provide us with some path-breaking suggestions and recommendations on how to stop pollution in the oceans and how to utilise the plastic waste as par the circular economy.





## Plastics and Packaging: A Circular Approach!

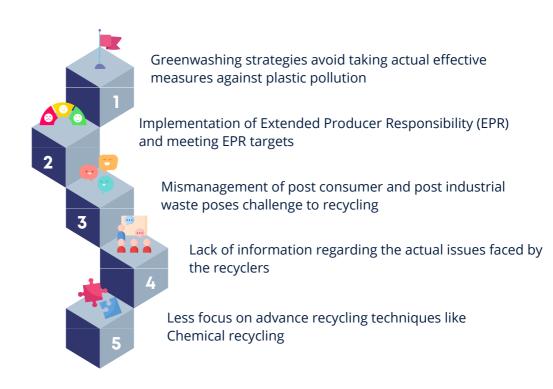


## **Speakers**

#### From Left to Right

- Jeevaraj Pillai, Joint President Packaging, UFlex
- Nitin Agarwal, Chief Strategy Officer, Pashupati Group
- Jonny Goyal, Director, Circular Plastic, IHS Markit
- Sharang Ambadkar, Managing Director, FeelGood EcoNurture LLP (moderator and speaker)
- Ms Sanchita Jindal, Former Adviser (Scientist 'G'), MoEFCC





## **Key Recommendations**

#### Traceability

Encourage traceability of waste through value chain monitoring

### **Promote R&D**

Promote R&D to foster formulations which are easily recyclable

### Systems thinking

03

**N** 

Key emphasis should be on redesigning products and processes to implement the three Rs in the plastic value chain.

### **Foster Collaboration**

Foster local and global collaboration on technology sharing and learning from good practices in the field of plastic waste recycling.

#### **Techno-Commercial assessments**

Techno commercial assessment of various technologies and processes should be carried out to make informed decisions about the investments

## **EPR guidance**

Provide EPR implementation guidance to industries



# Renewable Energy - Call for global action!



## **Speakers**

#### From Left to Right

- Mr. Anil Kumar, Director, MNRE
- Shirish Garud, Senior Fellow , TERI (Speaker and Moderator)
- Mr. Joost Geijer, Economic Counsellor, Netherlands Embassy
- Saloni Sachdeva Michael, German Chancellor Fellow, Alexander von Humboldt Foundation
- Manu Maudgal, Strategist & Navigator of Transition, Shakti Sustainable Energy
- Pooran Chandra Pandey, Resident Representative at Climate Scorecard, Milton, US



		1
2		
	3	

Lack of skills to be able to tap the potential employment opportunities that would be created in the renewable energy sector

Need to take into account the existing grid capacities and its limitations during technology transition

Need to address possible adverse impacts on employment when transitioning to renewable energy sector

Lack of a suggestive model to identifying and prioritize sectors that can be electrified.

## **Key Recommendations**

### Skilling of workforce

Skilling of existing labour in the energy sector will enable 'just' transition to the renewable energy sector. Learning from German Coal Commission report could be drawn

## Promote R&D

Research and Development on processes for mechanical and chemical processes for improving material recovery from renewable energy sector waste

### End-of-life management

Drawing learning from good practices from European countries for categorization of solar waste to foster improved and efficient extraction of (core) materials

## **Foster Collaboration**

Collaborative engagement of manufacturers, recyclers, technologists, entrepreneurs and the policy makers to set up the circular value – chain and make solar panels out of recyclable materials.

## Capacity building

Capacity building to enhance the development, adoption, use and dissemination of technologies for a 'Just' and 'responsible' transition.



03

### Involve CSOs

Involve NGOs and CSOs in building skills and creating awareness about responsible end of life disposal in the renewable energy sector



# Fashion and Textile- A closed-loop approach!



## **Speakers**

From Left to Right-

- Shruti Rana, Assistant Professor, TERI SAS (Moderator and Speaker)
- Shalini Goyal Bhalla, MD, ICCE
- Satish Venkatachaliah, Head:India Hub Operations & Innovation H&M Group
- Pranav Khanna, Individual Contributor, LOA Labs
- Sanjay Chauhan, Founder & CEO, MuddleArt
- Divya Datt, Programme Manager, UNEP (missing in the picture)





Lack of inclusivity and skills while enabling transition to circular fashion and textiles

Tracking and management of post consumer waste

Prevailing Fast Fashion that is impacting the consumption patterns of customers

Lack of understanding of circular models in textile sector in terms of 'resource priority' and 'Product categories' and areas for technology innovation

## **Key Recommendations**

#### Systems thinking

Inspire, educate and motivate Indian Fashion industry to include sustainable fashion in their scope of products and service offerings

### **Capacity Building**

Skilling and capacity building of stakeholders to make a transition towards sustainable & circular fashion. Given the predominance of the MSME in this sector, MoMSME could play a key role in providing funding support for the training programs.

### Technology

Tapping emerging technologies such as block chain to manage the pre and post consumer waste

### **Foster Collaboration**

Strengthening industry-academia and industry-industry connect to find workable solutions to the practical problems

## Inclusive growth

Develop policies addressing inclusion, transparency and resource allocation for the MSMEs working in circular fashion and textiles



03

#### **Rethink Business models**

Learning from best practices in the fashion and textile sector to identify innovative solutions along the value chain. Some of the relevant solutions include rental and sharing models, repurposing textile waste



## Automobile: Materiality!



## **Speakers**

From Left to Right-

- Axel Darut, CITEO, France
- Amar Munnolimath, Manager, Adelphi , Head of Programmes at SEED
- Prasad Modak, Executive President , EMC (Speaker and Moderator)
- Sanjay Khare, VP Sustainability, ŠKODA AUTO Volkswagen India





Identifying entry points for introducing circularity into existing automotive sector value chains

Lack of green energy and charging infrastructure for EV transition

Communication and marketing about circularity in auto sector

Refurbishing set up- how can policies facilitate those kind of set ups

## **Key Recommendations**

#### **Business Models**

Fostering development of new business models in the 'Vehicle scrapping and recycling' sector

#### Promote R&D

03

Standardize the EV battery system to enable easier end of life management

#### Materiality studies

Need to look at local resources and conduct R&D to identify alternatives to critical raw materials such as lithium

### **Manufacturing Council**

Establish a remanufacturing council/body that includes representation of small and large businesses from all remanufactured sectors and brings them together to share knowledge, seek policy changes to make remanufacturing a part of the product life cycle.

## Use the strength

Presence of a large unorganized informal sector can be the backbone to extract secondary material value



# Systems Thinking and Electronics for the Circular Economy



## **Speakers**

#### From Left to Right

- Rahul Poddar, MD, The Shakti Plastics
- Shilpi Kapur Bakshi, Vice President, EMC (Speaker and Moderator)
- Rachna Arora, Team Leader, GIZ, Marine Litter & EU-REI
- Pranshu Singhal, Founder, Karo Sambhav





## **Key Recommendations**

03

**N**F



Build skill and conduct training and capacity building for those engaged in material recovery and recycling

### Responsible end-of-life management

Create awareness about e-waste and ways for its responsible management, roles of citizens and other generators through mass campaigns

#### Social inclusive growth

Policy intervention that recognizes and protects the informal sector

### **Foster Collaboration**

Funding support to support the local collection drives and foster collection of e-waste through retailers. Brands can tie up with local NGOs to make collection easier for the citizens.

#### **Assessments and Audits**

Develop methodology to conduct audits related to assessment of circularity in businesses and processes that promote product life extension

### Transparency

Disclosure of information on e-waste management after its collection, Develop technology platforms for transparent data collection and analysis



# Leading Circularity through Education and Innovation!



## **Speakers**

From Left to Right

- Dr. Ajay Deshpande, Adjunct Professor, Center For Policy Studies, IIT Mumbai (Speaker and Moderator)
- Dr Prasad Modak, President, EMC
- Axel Darut, European & International affairs advisor in the Circular Economy
- Pooran Chandra Pandey, Resident Representative at Climate Scorecard, Milton, US
- Dr Sameer Joshi, Treasurer, IPI

## **Speakers**

#### From Left to Right

- Amar Munnolimath, Manager, Adelphi, Head of Programmes at SEED (Moderator and Speaker)
- Axel Darut, European & International affairs advisor in the Circular Economy
- Ravinder Dahiya, Co-Director, ICCE
- Sharang Ambadkar, Feelgood
- Chintan Bakshi, Chief Executive Officer, Startup Oasis
- René Van Berkel, UNIDO Representative & Head, Regional Office in India (Joined Online)



3



Lack of focus on the topic of circular economy in mainstream education

Lack of experiential learning in integrating industry case studies and application of Circular Economy principles for addressing real life challenges

Lack of participatory and case study based approaches in academic curriculums

Lack of awareness to scale and develop cross sectoral circular economy research and business innovation that could lead to tranistion

Evaluating the societal impact created by the transition to a circular economy

Lack of awareness about CE based business models and available support by the government and private sector for developing newer models, particularly in the hinterlands

## **Key Recommendations**

### Center of Excellence

A body/center/institute that could focus on managing waste reduction, behavioural change, climate change, cleaner production, life-cycle analysis and circularity.

#### Industry- academia partenrships

Industry-academia partnerships that help build case studies supporting transition to circularity

#### **Circular Business models**

Creating awareness about Circular business models including those around newer ideas of product life extension, product as a service

### **Experiential Learning**

Case study based teaching pedagogy will be participatory and discussion oriented and will be able to encourage and enable behavioural change

#### **Global best practices**

Training the trainers program for innovation centers to propagate Circular models through best global best practices



03

#### Incubation support

Incubation support for fostering development of business models structured around frugal innovation



# Circular Economy for Climate and Biodiversity



From Left to Right-

**Speakers** 

## • Axel Darut, European & International affairs advisor, in the Circular Economy (Moderator and Speaker)

- Dr Ashok Menon, Director, Sustainability Strategy & Circular Economy APAC, Corporate Sustainability Division at SABIC
- Vivek Saxena, CEO Haryana State Forest CAMPA Authority & Additional Principal Chief Conservator of Forests
- Ashwin Kak, Director, Procurement, & Sustainability, AB InBev
- Dr. Pranab J Patar, CEO, Global Foundation, for Advancement of Environment





Lack of focus on rural entrepreneurship and the potential traditional knowledge that exists

Gap in understanding of the linkage of loss of biodiversity with climate change

Loss of biodiversity due to existing linear business modelsdegradation in land quality, effect on soil, flora and fauna

## **Key Recommendations**

03

**N**F



Building capacity and skills of local people in rural areas to engage in activities around regeneration or resources

## Wetland technology

Fostering and promoting the use of 'Wetland technology' as a restoration alternative to the sewage waste treatment

### Lifecycle Assessment

Use of LCA tools and methods to integrate the impact of biodiversity while evaluating processes, technologies and business models

### Promote rural entrepreneurship

Incubation and acceleration support for fostering rural entrepreneurship and developing local solutions. Tapping opportunities around frugal innovation created by India's tradition of doing 'more with the less' for promoting conscious consumption which is environment friendly.

#### Foster industry-academia connect

Build Industry-academia and industry-industry connect to help streamline the action by including focus on biodiversity in CSR activities

#### **Regenerative practices**

Promoting the practice of regenerative agriculture and promoting water stewardship,



## Marine litter - How to save Water bodies?



## Speakers

From Left to Right-

- Dr Ashok Menon, Director, Sustainability Strategy & Circular Economy APAC, Corporate Sustainability Division at SABIC
- Swati Singh Sambyal, Waste Management Specialist, UN-Habitat India
- Dr Sameer Joshi, Hon Treasurer, Indian Plastics Institute (Moderator and Speaker)
  - Sanchita Jindal, Former Adviser (Scientist 'G'), MoEFCC
- Nitin Agarwal, Chief Strategy Officer, Pashupati Group
- Michael Bucki, Head Of Department, European External Action Service (Missing in the picture)





Lack of awareness and insufficient understanding among the public about their actions leading to marine litter

Collective and collaborative action is missing

Need for a structured approach to bring about a change at national level

## **Key Recommendations**



### **Capacity Building**

A central institution such as the Marine Litter Cell in MoEF&CC could be made more responsible for the organization of information and guiding collective action

### Wetland technology

Build a technology framework integrating digital tools for geographic mapping and analysis, remote sensing and GIS based information to organize and analyse the information and challenges

## Lifecycle Assessment

Promotion of LiFE skills as each level- district, state and national



# Circular Cities - Driving growth in Indian Cities!



**Speakers** 

From Left to Right-

- Shalini Goyal Bhalla, Managing Director, ICCE (Moderator come Speaker)
- Atul Gupta, Secretary, Jammu Municipal Corporation
- Dr. Sameer Joshi, Treasurer, IPI
- Cynthia Reynolds, Circular Regions, Norway
- Paramita Dey, NIUA
- Sameer Unhale, Commissioner, City government/CEO, Smart City





Lack of industry focus on waste reduction at the design phase

Inaccuracies in existing data and absence of regular updation of data

Lack of knowledge on a city's resources and its resource use practices

Lack of comprehensive waste generation and its management related data at municipal level

## **Key Recommendations**



Integrating measurement of community level waste generation flows and processing details into a decentralized model of waste management

#### Local solutions to Local problems

People's participation to share indigenous knowledge and practices, building participatory governance and designing low technology solutions and innovations will play a key role

#### **Barriers and enablers**

A Gap analysis that could enable focused approach to find the barriers and enablers for the tranistion to a circular economy would be useful for cities



# Role of EPR in Circularity!



## **Speakers**

From Left to Right-

•

- Cynthia Reynolds, Founder, Circular Regions
- Zeenat Niazi, Vice President, Development Alternatives (Moderator come Speaker)
- Piotr Barczak, Senior Policy Officer, European Environmental Bureau
- Padmakar Pandey, GM-Sustainability, ABFRL
- Simran Talwar, Senior Research Consultant, UTS Institute For Sustainable Futures
  - Mr.Srikrishna Balachandran, Director-Sustainability, Recykal
- Anna Larsson, Director, Circular Economy, Reloop Europe (Online)





Lack of focus on upstream opportunities in existing EPR implementation

Lack of comprehensive data and metrics around implementation of EPR

Absence of use of tools like LCA in EPR implementation

## **Key Recommendations**

### **Capacity Building**

Capacity building of the informal sector to enable their integration in EPR implementation

#### Innovative business models

Support development of innovative business models that can enable/facilitate the implementation of EPR

#### Life Cycle Assessment

LCA should be included in EPR and used as a vehicle for the development of a national database to determine the allocation of EPR

### Industry Engagement

Promote industry dialogues to mainstream circularity as an extension of EPR

#### Inclusive growth

Key opportunities for integration of the informal sector into the EPR mechanism, defining their roles and responsibilities, having social representation, eligibility for benefits, and business support



# Importance of Waste segregation in Circularity



## **Speakers**

From Left to Right-

- Capt Satyendra Vaidya, Director, ICSWM
- Piotr Barczak, Senior Policy Officer, European Environmental Bureau
- Ashish Sachdeva, Founder President, Green Dream Foundation (Moderator come Speaker)
- Ravinder Dahiya, Co-Director, ICCE
- Hemali Boghawala, Hon. Mayor, Surat, India
- Ms Hilda Farkas PhD, Counsellor for Science and Technology, Embassy of Hungary





Difficulties in collecting small multilayered packaging

More focus on recycling than reducing waste in first place

Lack of standardization in municipal waste collection systems

High cost of segregation at municipality level

Lack of focus on waste reduction and waste minimization amongst the generators

## **Key Recommendations**

### Centre for behavioral studies

A center that promotes LiFE could be set up to work under NITI Aayog to promote policies and their implementation in the entire country.

### Mapping of social entities

Mapping of social entities engaged in managing or guiding waste management in a municipality to promote collective and informed efforts



#### Transparency

Introduce innovative technological business models to promote ethics and transparency in waste management

#### Levy Tax

Introduce tax on landfill to promote waste segregation at source. This could be helpful in changing people's behavior towards waste management



# ESG for Sustainable growth!



**Speakers** 

From Left to Right-

- Ashok Menon, Director, Sustainability Strategy & Circular Economy APAC, Corporate , Sustainability Division at SABIC
- Shilpi Karmakar, Project Officer, UNDP (Moderator come Speaker)
- Sudhir Jain, Sr. VP, Manufacturing & Sustainability, Bira 91
- Shailendra , Founder, Creduce
- Ram Prasad, Senior Manager, ESG, Licious





Lack of technology for monitoring and controlling the waste of a company and evaluating the cost of management

Lack of understanding on reporting of ESG and compliance transitioning

Growing compliance requirement in the global market

## **Key Recommendations**



## Key Highlights of India Circular Economy Forum (#ICEF2022)



Mr. Amitabh Kant, CEO, Niti Aayog, inaugurated #ICEF2022 with his enlightening speech



Release of our second Annual Report by Mr. Sudhir Kumar, Adviser, Niti Aayog



Signing of #MoU with Circular Regions, #Norway to strengthening #multilateral relations and #knowledge sharing between the #GlobalNorth and #South by bridging bottom-up and topdown #circularity



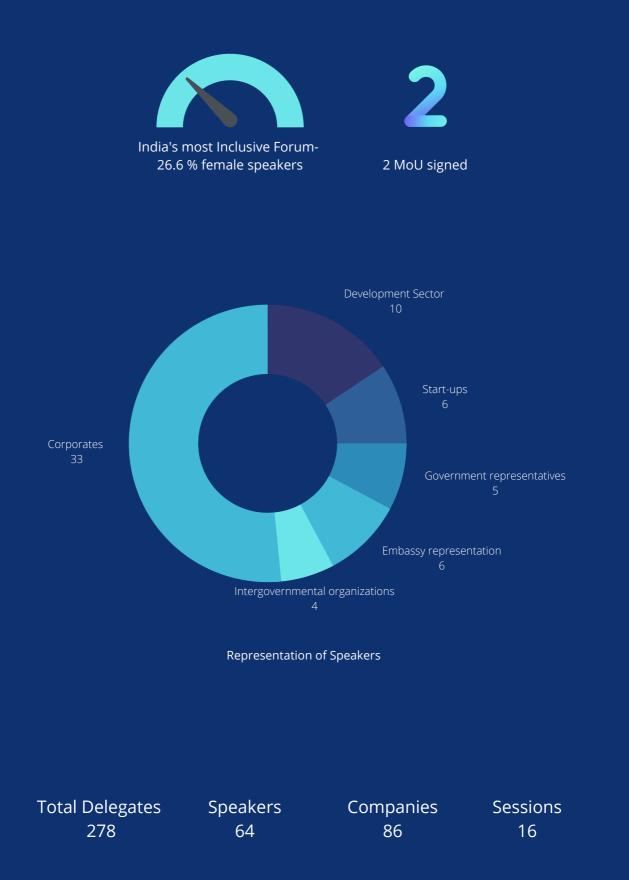
Our international partners at #ICEF2022

- EEB, Brussels
- Circular Regions, Norway
- CITEO, France



Signing of #MoU with CREDUCE to introduce and promote C-Credit market in #India

## Highlights India Circular Economy Forum (#ICEF2022)





## **OPINION:**

Large economies, such as the EU and India, have a key role to play in the global transition towards a circular economy and a lot to gain from stronger business cooperation and aligned legislation. During ICEF we identified few areas that need urgent policy action in India, that will bring quick benefits for the economy, society and also for the environment:

**1. In view of Global Plastic Treaty** more emphasis is needed on upstream solutions to curb plastic pollution, incl reduction at source, reuse and improved material circulation, supported by economic models and legislative measures that increase producers' responsibility with modulated fees, enhanced collections systems such as Deposit Return Schemes (DRS), and more support for reusables and refillables, including in e-commerce.

**2. EU imports from India:** Production patterns in electronics and textiles can be shaped by EU Green Deal provisions to ensure good quality products and their uptake on the EU market. In this context, competitiveness is to be gained quality-wise, not price-wise. Exporters that do not respect product requirements set by the Green Deal and the Sustainable Products Initiative will be excluded from the EU market.

**3. Reinforce the repair sector** that is at core of a sustainable circular economy, especially in the informal sector, by ensuring polices enabling independent repairers to continue their good work, ensure products put on the market are repairable and spare parts available. India has the opportunity to build on the success of the Right to Repair campaign in the EU and adapt it to its national context, both in terms of repair-based skills and business models, that are already widespread among informal waste pickers, and broader advocacy towards eco-design of goods. Some inspiration in this policy briefing on Europe's new waste prevention and reuse laws.

**4. Build on some best examples of solid waste management in the EU** waste management best practices, from separate collection to decentralised composting and extended producer responsibility, could be applied in India, taking into account local specificities and challenges, such as the social inclusion of informal waste pickers.

**5. Waste prevention:** India can preserve its low waste generation rates, while improving wellbeing and addressing pollution. Economic development aligned with a circular economy must not result into an increase of waste generation. One of the means to reach this is though ecomodulated fees in EPR. Please see ths guidance we published on the implementation of ecomodulation for EPR., as well as this policy briefing on using economic tools to reduce waste generation.

We, as the EEB, in collaboration with ICCE will be happy to support the Indian government in the development of effective circular economy policies.

Piotr Barczak Senior Policy Officer European Environmental Bureau













INDIA **CIRCULAR ECONOMY** FORUM

#ICEF2022







## Sentiments at #ICEF2022

30 - 85									
interactive nature	panel discus	sion good an	nount of participnats	topics welcome	change	professiona	approach	effort discuss	ions
format of the sessio	ns experts	moderator	usual powerpoint prese	entations forum	selection	of topics	venue	range of topics	
wide range of stake	holders que	lity of speakers	logistis						
eywords Sentiment Sco	res			Toto	Il Sentiment	Positive	80%	1	-
Total Sentiment	Positive	80%			e range of eholders	Neutral	0%	Į.	
interactive nature	Positive	98%							
panel discussion	Positive	98%	-	Total	Sentiment	Positive	80%		_
welcome change	Positive	98%	1	Forun		Neutral	0%		
format of the sessions	Positive	84%	_	effort		Positive	95%		_
discussions	Positive	99%		exper	ts	Positive	95%		
moderator	Positive	98%	-						
usual PowerPoint presentations	Positive	98%		т	otal Sentimen	t Positive	80%		-
selection of topics	Positive	84%		te	opics	Positive	83%		

## Feedback at #ICEF2022

The format of the sessions and the selection of topics was thoughtful. The discussions were engrossing and thought provoking. The interactive nature, panel discussion with a moderator was a welcome change from the usual PowerPoint presentations. -- **Capt Satyendra Vaidya**.

Professional approach, range of topics covered, quality of speakers was awesome. -- Sonali Datt, KPMG

The Forum was well organised and attended. I really appreciate the effort put to gather all the experts. -- Amit Sharma, SABIC

The event has been a great effort and step forward and a call to associate all stakeholders in the country and across Globe. To join hands and collaborate and share their Innovations to take our Mother Earth towards Circular Economy from Linear one. It was indeed a gamut of stalwarts from Industry and Academia to raise their concerns for the CE. We must encourage such events frequently to Exchange our Ideas, finding opportunities to collaborate and associate that can help to achieve our targets faster." We congratulate ICCE for organizing the event and assure our Support to the future Events." --- **Nitin Aggarwal, Pashupati Group** 

It was a pleasure to speak on both topics close to my heart at India Circular Economy Forum 2022 an event organised by International Council for Circular Economy. Carbon markets, Carbon credits, and CCUS with Kundan Burnwal and Shawahiq Siddiqui about their enriching experience and thought provoking ideas for demystifying carbon markets. Panel discussion on ESG for Sustainable growth with Ashok Menon Sudhir Jain and Shilpi deliberating on businesses' approach to ESG journey and what are the future trends. Thank you Shalini Goyal Bhalla and team #ICEF2022 for providing a platform and bringing together stakeholders to brainstorm on critical topics, about our #onlyoneearth. -- **Ram Prasad Nalacheruvu, Senior Manager ESG, Licious** 

ICCE is rising center for sharing knowledge and best practices so as to reach consensus and better understanding about circular economy. As my first day was filled with enabling circular economy around plastic, fashion and understanding carbon credits. The second day was followed by electronics and ocean waste management and sustainable cities. - Rahul Poddar, The Shakti Plastics





## **KNOWLEDGE PARTNER**





## JUNE 2-3, 2022 | NEW DELHI

Subscriptstarter Contended State Contended St