Organisers













Partners

कोयला मंत्रालय MINISTRY OF COAL

Ministry of Environment, Forest and Climate Change Government of India







Office of the Principal Scientific Adviser to the Government of India







3RD INTERNATIONAL CLIMATE SUMMIT (HYBRID MODE)

14 & 15 SEPT 2023 AT VIGYAN BHAWAN, NEW DELHI 110011





INDIA LED GLOBAL LIFE MOVEMENT 2023

SUSTAINABILITY THROUGH GREEN GROWTH

GREEN HYDROGEN BIOFUELS RENEWABLES

For Registration



INDO-NORDIC COOPERATION

PARTNER STATES





India: Nurturing the Co-existence of Economy and Ecology

Green Growth: India's Commitment under PM Modi's Leadership

Shri Narendra Modi Hon'ble Prime Minister of India

66 India is setting an example to the world that it is not necessary to halt development works for protecting the environment. Both economy and ecology can go together and move forward. And this is the path India has chosen.



Launch of Mission LiFE

A global movement to safeguard our environment from the impact of climate change.





Under the Modi government, India fulfilled its resolve to double the number of tigers in the country, four years before the set target; WITH 3167 TIGERS, TODAY INDIA IS HOME TO 75% OF THE TOTAL TIGER POPULATION GLOBALLY.

200% INCREASE

In the number of Ramsar sites (wetlands of international significance), from just 26 in 2014 to 75 today.





With over 172 GW renewable energy installed capacity, India proudly stands 4th GLOBALLY IN **RENEWABLE ENERGY.**



MORE THAN 37 CRORE LED BULBS have been distributed under Ujala Yojana; Due to this **OVER Rs. 19 THOUSAND CRORES ARE SAVED** EVERY YEAR.





India is emerging as a world leader in climate control. It is the only country among the top five emitters on a path compatible with 2 **DEGREES WARMING.**







Remarkable increase of over 12 THOUSAND SQ. KM. OF FOREST cover between 2015 and 2021.

India has BANNED IDENTIFIED SINGLE USE **PLASTIC** items.



In the last 9 years, solar power installed capacity has remarkably increased over 25 TIMES, FROM 2.6 GW TO 67 GW.



WORLD ENVIRONMENT DAY 5TH June, 2023 | Vigyan Bhawan, New Delhi



ABOUT THE SUMMIT

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Office of the Principal Scientific Adviser to the Government of India

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India has assumed the G-20 Presidency. Under the bold and visionary environmental leadership of Hon'ble Prime Minister Shri Narendra Modi, the country has unveiled a new pathway for Climate Change Mitigation, through mainstreaming of Lifestyle for Environment (Mission LiFE) - urging the world to adopt sustainable practices and climate friendly actions in everyday life.

When it comes to climate change mitigation, the importance of individual action and collective responsibility cannot be ignored; and the time to act is now.

India is also building significant capacity in areas of biofuels, renewables, and alternate energy solutions like Green Hydrogen, to define its long-term national energy strategies, accelerate its climate commitments, and put the country on a sustainable growth path.

The International Climate Summit 2023, organised by PHD Chamber of Commerce and Industry on 14 & 15 September 2023, sets the stage immediately after the 2023 G20 New Delhi Summit for a global dialogue and actionable outcomes on climate change mitigation from an Indian perspective, blending our repository of ancient wisdom, and circular economy to become the third largest economy in the world with a focus on Green Hydrogen, Biofuels and Renewables.



Only peace can lead to a shared purpose, so that our planet, its people and profits thrive collectively.



14 & 15 SEPTEMBER 2023 VIGYAN BHAWAN NEW DELHI 110011



Office of the Principal Scientific Adviser to the Government of India



MESSAGE

of peace, harmony and cooperation to regain earth's equilibrium begins with the collective purpose of 1.4 billion Indian citizens to energise global climate action, and lead the transition towards Green Energy.

MOVEMENT

of Lifestyle for Environment (Mission LiFE) - the new pathway for an India-led global movement to harness the power of collective action and undertake simple climatefriendly actions in daily life.

MISSION

to be the third largest economy in the world through a focus on Energy Security through Green Hydrogen, Biofuels and Renewables; and to become an International Hydrogen Hub.

MOMENT

to make a start here and now, for an actionable roadmap towards a green transition.

KEY FOCUS AREAS

- Actionable points for behavioural change towards adoption of sustainable practices
- Role of spiritual knowledge and ancient wisdom in addressing Climate Change
- Role of Green Hydrogen in building long-term National Energy Security
- Policy and Regulatory Ecosystem for setting up Green Hydrogen & Climate Projects
- Alliance & Coalition among Developing, Emerging and Developed Nations towards Common Sustainability Goals
- Demonstrate India's current & future Opportunities in Green Energy Sector
- Climate Funding and Investment Risks
- R&D in Green Hydrogen



14 & 15 SEPTEMBER 2023 VIGYAN BHAWAN NEW DELHI 110011



CONNECTING WITH NATURE MEANS TO CONNECT WITH OURSELVES. IF WE DO SO WE NURTURE A BETTER PLANET. Shri Narendra Modi



- Showcase India's ability to combine ancient wisdom and modern technologies to mitigate Climate Change
 Encourage adoption of Circular
- Encourage adoption of Circula Economy principles

DBJECTIVES

- Highlight India's efforts towards achieving Energy Security through Renewable Energy deployment and opportunities in Green Hydrogen, Biofuels and other Renewable technologies
- Strengthen International Cooperation and facilitate Public-Private-Government partnerships in Green Energy technologies
- Unlock Climate Finance, Technology Transfer, Knowledge Sharing and Capacity Building

GLOBAL DIALOGUE. ACTIONABLE OUTCOMES.

Hon'ble Prime Minister of India



- Agreements on Investment, Technology Transfer, and Knowledge Sharing
- State participation in deployment of Green Energy Projects
- R&D and breakthroughs in indigenization of technology of Electrolyzer, Fuel Cells, and Storage solutions
- R&D in alternate fuels such as Hydrogen production through Agro Waste, Ethanol Reforming, Methanol Reforming, Carbon Capture and Coal Gasification
- Feasibility of Synthetic Paraffin Kerosene as an alternative to Aviation Turbine Fuel
- Collaboration & Partnerships on Green Hydrogen, Biofuels and Renewables
- Release of Knowledge Book







SIGNIFICANCE OF INTERNATIONAL CLIMATE SUMMIT 2023

India's inclination towards compassion and self determination stems from a deep rooted cultural connection with spirituality and the emphasis on our role as caretakers of the planet.

Our spiritual and ancient traditions have a deep respect and reverence for the natural world, a recognition of the interdependence of all life forms, and a commitment to living in balance and harmony with oneself and the environment.

The message of peace and wisdom passed down to our generations transcends all aspects of life and is a testament to how much we can accomplish by adopting sustainable practices that are not solely guided by personal and economic gains.

It is therefore of great significance to understand the connection between spiritual knowledge, ancient wisdom, and climate change mitigation. And embark on this new pathway: an India-led global movement towards mainstreaming Lifestyle for Environment through Sustainable Practices, Green Hydrogen, Biofuels and Renewables.

Because only peace can lead to a shared purpose, so that our planet, its people and profits thrive collectively.

THOSE WHO PROTECT NATURE, ARE PROTECTED BY NATURE.

Shri Narendra Modi Hon'ble Prime Minister of India

WHO SHOULD ATTEND

- Academicians, Researchers and Scholars
- Bureaucrats & Government officials
- Civil Society representatives (NGOs, Advocacy groups and think-tanks)
- Diplomatic Mission and Trade Body representatives
- Ministerial representatives
- Policy Makers and Sectoral Advisors
- PSU and Private Sector Industry Representatives (MDs, CEOs, CXOs and senior management) from the energy, technology, finance, transportation and related sectors
- Press and Media





VIGYAN BHAWAN, NEW DELHI 110011 (HYBRID MODE)

CLIMATE SUMMIT

3RD INTERNATIONAL

A NEW PATHWAY TO CLIMATE CHANGE MITIGATION

INDIA LED GLOBAL LIFE MOVEMENT 2023

SUSTAINABILITY THROUGH GREEN GROWTH Green Hydrogen | Biofuels | Renewables

09:30 - 10:30 HRS Plenary Hall	INAUGURAL	 Arrival of Chief Guest - Shri Ram Nath Kovind, Former President of India National Anthem Welcome Address by Mr. Saket Dalmia, President, PHDCCI Theme film - ICS 2023 Setting the context by Dr. J P Gupta, Summit Chair Address by Gurudev Sri Sri Ravi Shankar Inaugural Address by Shri Ram Nath Kovind, Former President of India Release of Knowledge Book Manthan, Video of the Principal Scientific Advisor to the Govt. of India
10:30 - 13:30 HRS Plenary Hall	PLENARY SESSION	 Address by Dr. Jitendra Singh, Union Minister of State (Ind. Charge) Science & Technology and Earth Sciences, Govt. of India LiFE Pledge I pledge to make all possible changes in my daily life to protect the environment. I Also commit to continuously motivating my family, friends and others about the importance of environmentally friendly habits. Address by Sh. Amitabh Kant, G20 Sherpa, Govt. of India Address by Mr. Espen Barth Eide, Minister of Climate and the Environment of Norway
SRD INTERNATIONA CLIMATE SUMM		 Address by Mr. Bhupinder Singh Bhalla, Secretary MNRE, Gol Address by Prof. Ajay Kumar Sood, Principal Scientific Adviser to the Gol Address by Mr. Ola Elvestuen, Member of Parliament Norway Address by Ms. May-Elin Stener, Norwegian Ambassador to India Address by Mr. Freddy Svane, Danish Ambassador to India Address by Mr. Erik Solheim, Former Executive Director, UN Environment Programme Address by Mr. Nobuo Tanaka, Chair, the Steering Committee of Innovation for Cool Earth Forum (ICEF), Executive Director Emeritus, International Energy Agency (IEA), CEO, Tanaka Global, Inc. Tokyo, Japan

HYBRID MODE SUMMIT SCHEDULE



10:30 - 13:30 HRS Plenary Hall		 Address by Mr. Arun Kumar Sin Address by Dr. SSV Ramakumar Address by Mr. Prabh Das, MD & Address by Mr. Vegard Frihamn Address by Smt. Nivruti Rai, ML Address by Dr. Karen Landmart Address by Mr. Markus Lundgree of the Trade and Economic section Address by Dr. Geir Kåre Resala Norway Address by Mr. Alok B Shriram, Industries Ltd. Address by Mr. Ashwani Dudeja Ammonia), ACME Group Vote of Thanks by Mr. Sanjeev A
13:30 - 14:30 HRS	LUNCH	

- ngh, Chairman & CEO, ONGC
- r, Former Director (R&D), IOCL
- & CEO, HMEL
- ner, Founder & CEO, Greenstat ASA, Norway
- D & CEO Invest India
- k, Green Strategy Officer, Greenstat ASA
- en, the Economic and Commercial Counsellor on, Embassy of Sweden, New Delhi
- and, Pro-rector for Research, HVL University,
- Sr. Managing Director & CEO, DCM Shriram
- a, President and Director (Green Hydrogen and
- Agrawal, Sr. Vice President, PHDCCI

14:30 - 18:30 HRS CONCURRENT KNOWLEDGE SESSIONS

Lifestyle for Environment Session 01

The objective of this summit session is to examine the intricate connection between lifestyle choices and their environmental repercussions, exploring strategies for promoting sustainable living across various sectors. It aims to foster a comprehensive understanding of sustainable lifestyles and their global significance, showcasing the pivotal role of technological innovations, policy frameworks, and industry initiatives.

14:30 -	Message	His Holiness Sadhguru, Internationally acclaimed Spiritual Master
18:30 HRS Hall 1	Chair	Dr. J.P. Gupta, Summit Chair & Chair, Environment & Green Hydrogen Committee, PHDCCI
	ΤΟΡΙΟ	SPEAKER
	Lifestyle for Environment	Mr. Erik Solheim Former Executive Director, UN Environment Programme
	Regenerative Leadership	Dr. Karen Landmark, Green Strategy Officer, Greenstat ASA
	Enabling a Circular Carbon Economy	Dr. Preeti Jain, Global Director, LanzaTech
	Climate Change Mitigation	Mr. Yogi Sarin, CEO and Founder, Petron Scientech Inc. Princeton
	Technology Lead Innovations in EPC for a greener tomorrow	Mr. Sourabh Mukherjee, Executive Vice President, TATA projects
	Sustainable packaging solutions	Mr. Sunil Panwar, CEO, Symphony Environmental Pvt Ltd
	Air quality control equipment Canvass in India	Dr. Ajay Deshpande, Adjunct Professor, AD-Centre for Policy Studies, IIT Bombay
	Carbon markets and a net zero planet	Mr. Kavin Kumar Kandaswamy, CEO, Proclime

SUMMIT SCHEDULE



Session 02 Green Fuel-1

We delve into India's journey towards 2030, where renewable energy and green hydrogen take center stage. We aim to explore India's ambitious renewable energy goals, gain insights into policy nuances, and uncover exciting business prospects in the realm of green hydrogen.

14:30 -18:30 HRS Hall 5 Message Chairs

ΤΟΡΙΟ

Production of Hydrogen through Electrolyzers

Transportation of Hydrogen & Storage The Norwegian Hydrogen and Ammonia landscape and the importance of safety

Safety in the Hydrogen economy

Safety and Standards

Storage of Hydrogen in solid form with Magnesium

Flexible, scalable, efficient H₂ technologies India's road to 2030 in renewable energy

and green Hydrogen

EU policy landscape and Netherlands clean energy ambitions for India

Integrated RE-H₂ Plant approach to deliver LCOH/LCOA Environmental regulations and incentives for green Hydrogen His Holiness Sadhguru, Internationally acclaimed Spiritual Master

Dr. R.K. Malhotra, President, Hydrogen Association of India **Mr. Nishaanth Balashanmugam,** India Director, The Green Hydrogen Organisation

SPEAKER

Mr. Sturle H. Pedersen, Chairman, Greenstat Hydrogen India Pvt. Ltd. Dr. Alok Sharma, Executive Director, Centre for High Technology, MoPNG Ms. Ingebjørg Telnes Wilhelmsen, CEO, Norwegian Hydrogen Forum

Dr. Jan Roar Bakke, Senior Vice President, Gexcon, Norway Dr. Chitra Rajagopal, Director, CoE in Process Safety, IIT Delhi Mr. Pascal Aroule, President, Solvam Mr. Tushar Agarwal, Chief Manager, Siemens Energy Mr. Tobias Winter, Director, Indo-German Energy Forum

Ms. Paulina Chromik, Diplomat, Economic and Commercial Affairs, Embassy of Netherlands Mr. Harish Jayaram, Vice President - Business Development, Hygenco Mr. Anjan Dasgupta, Partner, DSK legal

Session 03 Green Fuel-2

We take a deep dive into innovative clean energy solutions. This session assembles experts to discuss the integration of renewable energy into hydrogen production, synthetic paraffin kerosene, coal gasification's role in sustainable energy, and more.

14:30 -18:30 HRS Hall 4

Message Chairs

TOPIC

Hydrogen Valley Innovation in India Clean Hydrogen production from agricultural residue Energy Transition in Oil & Gas Sector Role of Coal Gasification in achieving energy sustainability Solid Oxide technology for GH fuel cells

Safety for fuel cell packages and design of venting system Introduction of microturbine generators Gaseous Fuels Testing and Standard Compliance Biomass to green molecules Integration of RE power to H₂ A sustainable path to develop the globally required SAF production capacity Dr. Heli Antila, Chairman, Chempolis Oy Dr. J S Sharma, Former Group General Manager - Head Environment, ONGC SPEAKER Prof. R R Sonde, Professor, Dept. of Chemical Engineering, IIT Delhi Dr. K.K. Pant, Director, IIT Roorkee Mr. Sanjeev Gupta, Executive Director (Corporate Strategy), IOCL Mr. Brijesh Kumar, Advisor, Centre for High Technology

His Holiness Sadhguru, Internationally acclaimed Spiritual Master

Mr. Saad Ashraf, Regional Business Head – India, Ceres Power **Mr. Nilay Ball,** VP – Business Development, LRQA

Mr. Sanjay Jain, Head - Business Development, Bladon Jets UK Ltd.
Dr. Kiran Piduru, Market Development Specialist, Markes International
Dr. Mishma S Stanislaus, Research Scientist, IISc
Ms. Priyanka Sahasrabudhe, Head- Hydrogen Energy Strategy, ADOR - India
Mr. David Dwek, Senior Analyst - Future Fuels, SKYNRG

HYBRID MODE SUMMIT SCHEDULE

14 SEPTEMBER DAY 01 Wanthan

Research and Development and Capacity Building Session 04

In the Research and Development and Capacity Building summit session, we embark on a journey through the world of cutting-edge research, innovation, and capacity building in the field of hydrogen and clean energy. The session will shed light on the latest advancements in hydrogen research, capacity building initiatives, and their implications for a sustainable future.

14:30 -18:30 HRS **Plenary Hall** Message Chairs

TOPIC

MANTHAN (Govt. of India)

Future replacement of fossil fuels Creating capacities for technology

Next generation hydrogen technologies

Hydrogen electric propulsion technology

Solutions to solve the challenges in the

Hydrogen Value Chain through R&D

goals through Hydrogen economy

R&D for meeting demand side climate

Hydrogen's bonhomie with oil and gas sector

Co₂ capture, utilization and storage in India

Technologies for greening the future

Facilitation of Hydrogen technology

development and deployment

Optimizing the total ecosystem

through solid H₂ logistics

His Holiness Sadhguru, Internationally acclaimed Spiritual Master Dr. Vijay Sardana, Advisor, Shriram Institute for Industrial Research Mr. Umesh Sahdev, Exec. Chairman, Hydrogenium Resources, India

SPEAKER

Dr. Sapna Poti, Director, Strategic Alliances, o/O Principal Scientific Adviser, Gol Prof. GD Yadav, Padma Shri and Internationally renowned scientist **Dr. Vibha Dhawan,** Director General, The Energy and Resources Institute (TERI)

Dr. Steffen Møller-Holst, Vice President- Marketing, SINTEF **Dr. Umish Srivastava**, Executive Director (Alternative Energy), Indian Oil R&D **Prof. Dhayalan Velauthapillai**, *Head - ANCEHA*, *HVL University*, *Norway* Mr. Abhijeet Inamdar, Co-Founder and CEO, SiriNoR India Mr. James Khong, Co-Founder & Chief Operating Officer, Galaxy FCT

Dr. Velaug Myrseth Oltedal, *Deputy Director, HyValue-Norwegian* Center for Hydrogen Value Chain Research Dr. Rakesh Kumar, Programme Director - CCUS, CSIR

Mr. Sachin Chugh, DGM and CEA to Director (R&D), IOCL **Dr. Vikram Vishal**, Associate Professor, Department of Earth Science, IIT Bombay Zeolite based green concrete for Co₂ storage **Dr. Biswa Bandita Kar**, Professor and Dean, KSAS, KIIT University

Session 05 **Climate Finance**

In the Climate Finance summit session, we venture into the dynamic realm of financial strategies aimed at mitigating climate change and fostering sustainability. These experts, including representatives from global financial institutions, legal experts, industry leaders, and policy advisors, will delve into the intricacies of climate finance, sharing insights on innovative approaches, policy dynamics, and investment opportunities in the green economy.

Message His Holiness Sadhguru, Internationally acclaimed Spiritual Master Mr. Rajnish Kumar, Ex-Chairman, State Bank of India Chairs Mr. Shiva Rajaraman, CEO, NIIF TOPIC **SPEAKER** Development Bank's Role in Ms. Surbhi Goyal, Senior Energy Specialist, World Bank Advancing GH and RE technologies ESG – a risk mitigation tool for climate finance Mr. Mahendra Rustagi, CEO, Kreston SNR Financing hydrogen development in Mr. Deger Saygin, Industry Programme Lead, OECD emerging and developing economies Indirect tax issues in climate finance Mr. Bimal Jain, Founder, A2Z Taxcorp LLP **Financing India's Climate Transition** Mr. Manish Chourasia, MD, Tata Cleantech Capital Limited Race of Gol GH₂ Bidding Mr. Shardul Kulkarni, MD & CEO, Deesha Power Solutions Climate Risk Assessmentin Investments Ms. Prarthana Borah, Country Director, CDP India Need for agile capital for climate impact Ms. Ravneet Mann, Head – Strategy & Policy Stride Ventures Future of Sustainable Finance Mr. Anagh Singh, AVP Invest India Financing opportunities for India in Dr. Abhinav Trivedi, Ex Consultant, NITI Aayoq

14:30 -18:30 HRS Hall 2 & 3

green transition

SUMMIT SCHEDULE



Green Energy Meet

	10:00 - 13:30 HRS Plenary Hall	Message	His Holiness Sadhguru, Internationally acclaimed Spiritual Master
		MINISTERIAL ROUNDTABLE	Session of States and Country Partners
		CORDINATORS	Mr. Umesh Sahdev , Exec. Chairman, Hydrogenium Resources, India Mr. Mahendra Rustagi , CEO, Kreston SNR Mr. Naveen Seth , DSG, PHDCCI
		MODERATOR	ΤΟΡΙΟ
		Mr Alok Sharma , Executive Director, Centre for High Technology, MoPNG	 What do states and countries offer on green Hydrogen, biofuels and renewables Presentations by States: Climate Actions, Policies, Legislations & Way Forward Presentations by Country Partners Panel Discussion followed by Q&A Session
			SPEAKERS
			Sh. Sanjeev Kumar, IAS , Principal Secretary, Climate Change & Forest Department, Gujarat Dr. Arup Kumar Misra , Chairman, Pollution Control Board Assam
			Dr. Sanjay Srivastava, IFS, Principal Chief Conservator of Forest & Head of the Forest Force Jharkhand
			Mr. Vijay Shekhawat, Director- Energy, Infrastructure and Sustainability.

Mr. Vijay Shekhawat, Director- Energy, Infrastructure and Sustainability, US-India Strategic Partnership Forum

Speakers from other states





INDO-NORDIC COOPERATION

Cities and Country Perspectives on Clean Energy and Renewables



Introduction: The Indo-**Nordic Cooperation** session focuses on Clean **Energy and Renewables** The aim is to foster collaboration between India and the Nordic countries in the field of clean energy, sustainability, and renewable technologies. This session within the summit will focus on two key aspects: cities and the unique offerings of individual Nordic countries towards the Indian market. The session will provide a platform for knowledge sharing, idea exchange, and identifying potential areas of cooperation.

Section 1: Sustainable Cities

Objective: To explore opportunities and challenges for clean energy and renewables collaboration between cities in India and the Nordic region.

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SUGGESTED TOPICS

- Urban Planning and Sustainable Infrastructure: Highlighting best practices in urban planning, sustainable infrastructure development, and smart city initiatives from both India and the Nordic countries.
- Integrated Energy Systems: Discussing the integration of renewable energy sources, energy storage solutions, and grid management in urban environments.
- Energy Efficiency and Demand-Side Management: Exploring strategies for improving energy efficiency, demand-side management, and the role of digital technologies in energy optimization within cities.
- Waste-to-Energy and Circular Economy: Showcasing successful waste-to-energy projects, circular economy models, and resource management practices.

EXPECTED OUTCOMES

- Identification of potential city-to-city partnerships and collaboration opportunities.
- Sharing of successful case studies, lessons learned, and innovative approaches.
- Exploration of policy frameworks, incentives, and regulatory aspects to support clean energy initiatives in urban areas.
- Collaborative opportunities between companies across the Nordics and India.

Section 2: Nordic Countries and their Uniqueness towards the Indian Market 📎

Objective: To highlight the distinctive strengths and expertise of individual Nordic countries in the clean energy and renewables sector, and their relevance to the Indian market.

SUGGESTED TOPICS

- Country Presentations: Representatives from each Nordic country will provide an overview of their country's clean energy sector, including renewable energy sources, policies, initiatives, and success stories.
- Technology Transfer and Capacity Building: Discussing mechanisms for technology transfer, knowledge sharing, and capacity building between Nordic countries and India, focusing on areas such as wind energy, solar power, bioenergy, and energy storage.
- Investment Opportunities and Business Partnerships.
- Exploring potential investment opportunities and establishing business partnerships between Nordic companies and Indian stakeholders in the clean energy sector.
- Research and Innovation Collaboration: Identifying avenues for research collaboration, joint projects, and innovation exchange between Nordic research institutions and Indian counterparts.

EXPECTED OUTCOMES

- Enhanced understanding of the unique clean energy offerings from each Nordic country.
- Identification of potential areas for collaboration, investment, and technology transfer.

HYBRID MODE SUMMIT SCHEDULE



Indo-Nordic Cooperation

INDO-NORDIC COOPERATION

14:30 -

15:30 -16:30 HRS

Plenary Hall

15:30 HRS

Plenary Hall

COOPERATION	PARTICIPATIN COUNTRIES	G • Sweden • Denmark • Finland • Norway • Iceland
MODERATORS Ms. Rina Sunder Founder, Det Moderne India Mr. Umesh Sahdev Exec. Chairman, Hydrogenium Resources, India	TOPIC Session 1	SPEAKERS Nordic Council - Mr. Ola Elvestuen, Member of Parliament Norway, Chair of the Commitee for a Sustainable Nordic Region at Nordic Council Sweden India Business Council (SIBC) - Ms. Arati Davis, COO Indian Danish Chamber of Commerce - Mr. Mads Schlosser, Director C40 - Ms. Shruti Narayan, Regional Director for South and West Asia Yara - Ms. Vaishali Chopra, Head of Public Affairs HVL University, Norway - Dr. Geir Kåre Resaland, Pro-rector for Research Greenstat ASA - Mr. Vegard Frihammer, Group Director Invest India - Ms. Varda Taneja, VP
Mr. Knut Linnerud Senior Business Developer, Greenstat ASA Mr. Umesh Sahdev Exec. Chairman, Hydrogenium Resources, India	Session 2	 Norway Norwegian Energy Partners (NORWEP) - Mr. Azam Ali Khan, Local Energy Advisor India Cambi - Dr. Indra N. Mitra, Director Cambi (Europe) Denmark Ramboll - Ms. Vidya Basarkod, Managing Director, Ramboll India Danfoss - Ms. Anju Kuruvilla, Director of Industry Affairs, Corporate Comm. & Sustainability Grundfos - Ms. Usha Subramaniam, Country President for India Sweden Serneke International Group - Mr. Prashant Agarwal, CEO and Chairman

Finland

- Fortum / Chempolis Oy Dr. Heli Antila, CEO Iceland
- Geotropy Dr. Vijay Chauhan, CEO

India

Karo Sambhav - Mr. Pranshu Singhal, Founder •

SUMMIT SCHEDULE



17:00 -18:00 HRS BUSINESS MEET (B2G AND B2B MATCH MAKING)

IODERATORS

Mr. Umesh Sahdev, Exec. Chairman, Hydrogenium Resources, India **Mr. Mahendra Rustagi**, CEO, Kreston SNR

- One-on-one interactions
- Meetings in smaller groups focussed on partnerships & collaborations
- Speed Networking between businesses (B2B) and with government agencies (B2G)

3rd INTERNATIONAL CLIMATE SUMMIT HONORS 2023

Celebrating the Achievements of Climate Change Captains for their Path-Breaking Achievements in Sustainability through Green Solutions

Acknowledging the growing significance of Green Energy Captains of Industries, R&D's, Government Institutions, Policy Makers, Industries and Media are working together, towards Self-Reliant-India (Aatam Nirbhar Bharat) to achieve Net Zero by 2070

PHD Chamber of Commerce and Industry's ICS 2023 Green Awards are in the following categories

- 1. Private/ Government Institutions in Research and Development
- 2. Government Institutions- Promoting Green Fuel/ Green Energy
- 3. Media- Creating awareness among communities
- 4. International cooperation in promoting green energy
- 5. Industries promoting green energy/ green fuel
- 6. Government/ Private- Climate Mitigation

18:00 - 19:30 HRS	AWARDS SESSION	 Message by Gurudev Sri Sri Ravi Shankar Introductory remarks by PHDCCI Leadership Behind Green Awards by Dr. J.P. Gupta, Summit Chair Chief Guest - Sh. Nitin Gadkari, Hon'ble Minister of Road Transport and Highways of India Guest of Honour - His Excellency Dolpo Tulku Rinpoche Distribution of Awards Vote of Thanks and closing remarks by PHDCCI leadership
19:30 HRS ONWARDS		GALA DINNER Entry by invitation only

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14 & 15 SEPTEMBER 2023 VIGYAN BHAWAN NEW DELHI 110011

GOVERNING COUNCIL

STEERING COMMITTEE

Patron in Chief

Dr. Vijay Kumar Saraswat Member, NITI Aayog Chancellor, Jawaharlal Nehru University

Chairman

Mr. Dinesh K. Sarraf Ex-CMD, ONGC & PNGRB

Members **Mr. Erik Solheim** Former Executive Director of the UN Environment Programme

Mr. Saket Dalmia *President, PHDCCI*

Dr. J.P. Gupta Chair, Environment & Green Hydrogen Committee, PHDCCI Summit Chair, ICS 2023

Mr. Gopal Krishna Agarwal President - Jaladhikar Foundation National Spokesperson of BJP

Mr. Amarnath

Additional Secretary, Department of Administrative Reforms & Public Grievances, Ministry of Personnel, Public Grievances and Pensions, Govt. of India

Dr. N. Kalaiselvi Director-General, CSIR

Mr. R. R. Rashmi Former Special Secretary, MoEFCC Distinguished Fellow Programme Director, Earth Science & Climate Change, TERI, India

Mr. Rajnish Kumar *Ex-Chairman, State Bank of India*

Mr. Vegard Frihammer Green Executive Officer/ Founder Greenstat Norway

Mr. Alok Sharma Hydrogen Association of India (HAI)

Dr. Chitra Rajagopal Director General, COE in Hydrogen Economy at IIT Delhi

ORGANIZING COMMITTEE

Dr. J.P. Gupta Chair, Environment & Green Hydrogen Committee, PHDCCI Summit Chair, ICS 2023

Dr. J.S. Sharma *Co-Chair, Environment & Green Hydrogen Committee, PHDCCI*

Mr. Mahendra Rustagi Co-Chair, Environment & Green Hydrogen Committee, PHDCCI

Mr. Umesh Sahdev Co-Chair, Environment & Green Hydrogen Committee, PHDCCI

Dr. Ranjeet Mehta *Executive Director, PHDCCI*

Mr. Naveen Seth Dy. Secretary General, PHDCCI

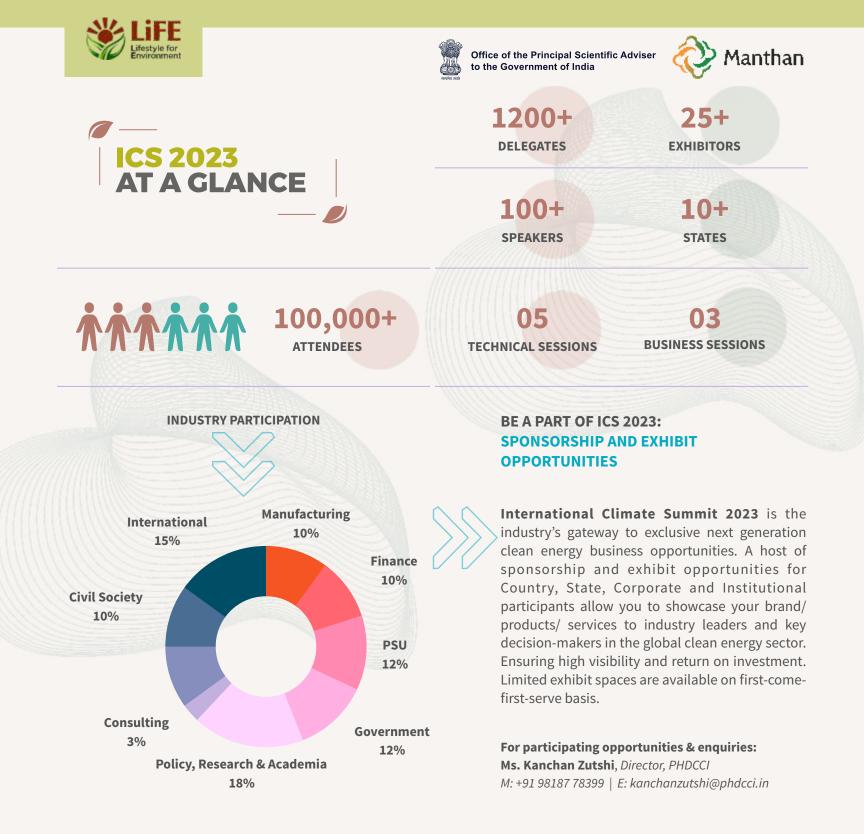
Dr. Jatinder Singh Asst. Secretary General, PHDCCI

Ms. Kanchan Zutshi Director, Environment Committee, PHDCCI

Ms. Aparajita Mangotra Secretary (Media), PHDCCI

Mr. Kasber Thomas Secretary (Creative), PHDCCI

Dr. Sibimol Luke Joint Secretary, PHDCCI Ms. Ankita Pal Executive Officer, PHDCCI



SUMMIT PARTNERS



Office of the Principal Scientific Adviser to the Government of India





MINISTRIES/ GOVERNMENT BODIES, GOVT. OF INDIA

- Principal Scientific Adviser to the Government of India
- Ministry of Environment, Forest & Climate Change
- Ministry of New & Renewable Energy
- Ministry of Road, Transport & Highways of India
- Ministry of Chemicals & Fertilizers
- Ministry of Coal
- Ministry of Petroleum & Natural Gas
- Ministry of Earth Science
- Ministry of Science & Technology
- Niti Aayog
- Department of Science & Technology
- Council of Scientific and Industrial Research

INTERNATIONAL/ NATIONAL

- International Solar Alliance
- Greenstat Norway
- Gexcon Norway
- Arena H2Cluster
- Norwegian Hydrogen Forum
- The Research Council of Norway
- Yara International ASA
- Confederation of Norwegian Enterprise (NHO)
- Macquarie Group
- Green Investment Group, USA
- ACME Group
- Suzlon Energy Limited



- Uttar Pradesh
- Maharashtra
- Punjab
- Haryana
- Madhya Pradesh
- Rajasthan
- Delhi
- Gujarat
- Assam
- Kerala
- Tamil Nadu
- Jammu & Kashmir
- Western Norway University of Applied Sciences
- The Energy and Resources Institute (TERI)
- Centre of Excellence in Process Safety & Risk Management, IIT Delhi
- Shriram Institute for Industrial Research
- Coimbatore Institute of Technology
- Greenstat Hydrogen India
- Hydrogen Association of India
- Larsen & Toubro
- Reliance Industries Limited
- ADANI Green

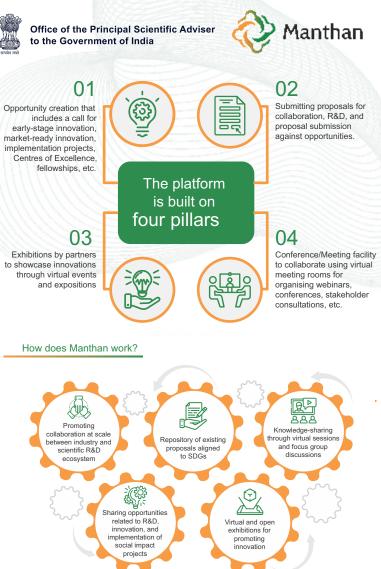
- ReNew Power
- Shroff S. R. Rotary Institute Of Chemical Technology



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PUBLIC SECTOR UNDERTAKINGS

- Brahmaputra Cracker & Polymer Ltd.
- Bharat Heavy Electricals Ltd.
- Balmer Lawrie & Co. Ltd.
- Bharat Petroleum Corporation Ltd.
- Chennai Petroleum Corp. Ltd.
- Engineers India Ltd.
- GAIL India Ltd.
- Hindustan Petroleum Corporation Ltd.
- India Infrastructure Finance Company Ltd.
- Indian Oil Corporation
- Indian Renewable Energy Development Agency Ltd.
- Mangalore Refinery & Petrochemicals Ltd.
- National Thermal Power Corp. Ltd.
- Numaligarh Refinery Ltd.
- Oil India Ltd.
- Oil & Natural Gas Corporation
- Power Finance Corporation Ltd.
- Power Grid Corporation of India Ltd.
- Petronet LNG Ltd
- Power Trading Corporation of India
- Rural Electrification Corporation Ltd.
- Solar Energy Corporation of India Ltd.





TODAY'S NEED IS FOR MINDFUL AND DELIBERATE UTILISATION INSTEAD OF MINDLESS AND DESTRUCTIVE CONSUMPTION.

Shri Narendra Modi Hon'ble Prime Minister of India

For participating opportunities & enquiries

Ms. Kanchan Zutshi Director, Environment Committee PHD Chamber of Commerce and Industry M: +91 98187 78399 E: kanchanzutshi@phdcci.in

Mr. Dilip Jawale Vice President Greenstat Hydrogen India Pvt. Ltd. M: +91 99343 10207 E: dlip@greenstat.in

KNOWLEDGE PARTNERS





PHDCCI CENTRE OF EXCELLENCE GREEN HYDROGEN



PHD Chamber of Commerce and Industry,

PHD House, 4/2 Siri Institutional Area, August Kranti Marg, New Delhi 110016 T: +91.11.26863801-04, 49545400 (extn 114) F: +91.11.26855450, 49545451 www.phdcci.in



The Statesman