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Ministry of Environment,
Forest and Climate Change
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प्रौद्योगिकी मंत्रालय
MINISTRY OF
SCIENCE AND
TECHNOLOGY



कोयला मंत्रालय
MINISTRY OF
COAL



A NEW PATHWAY TO CLIMATE CHANGE MITIGATION

INDIA LED GLOBAL MOVEMENT TOWARDS

Mainstreaming Mission LiFE

{ *Lifestyle for Environment* }

Energy Security through

{ *Green Hydrogen | Biofuels | Renewables* }

14 & 15 SEPTEMBER 2023
TAJ PALACE, NEW DELHI

HYBRID MODE | REGISTER AT WWW.ICS-HYDROGEN.COM

Co-Organisers



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Network 18

newsX
NEWS. NOT NOISE

The Statesman





ANCIENT WISDOM, SPIRITUAL AWAKENING & CLIMATE CHANGE MITIGATION.

“

I USED TO THINK THE TOP ENVIRONMENTAL PROBLEMS WERE BIODIVERSITY LOSS, ECOSYSTEM COLLAPSE, AND CLIMATE CHANGE.

I THOUGHT THAT WITH 30 YEARS OF GOOD SCIENCE WE COULD ADDRESS THOSE PROBLEMS.

BUT I WAS WRONG.

THE TOP ENVIRONMENTAL PROBLEMS ARE SELFISHNESS, GREED, AND APATHY.

TO DEAL WITH THOSE WE NEED A SPIRITUAL AND CULTURAL TRANSFORMATION, AND WE SCIENTISTS DON'T KNOW HOW TO DO THAT.

”

James Gustave Speth

> Former Administrator of the United Nations Development Programme

> Former Dean, Yale School of Forestry and Environmental Studies

> Founder, World Resources Institute and Co-founder, Natural Resources Defense Council



ABOUT THE SUMMIT

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 & actionable outcomes on climate change mitigation from an Indian perspective - blending our repository of deep spiritual knowledge and wisdom, with our mission to become the third largest economy in the world with a focus on biofuels, renewables, and Green Hydrogen.



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





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

Shri Narendra Modi
Hon'ble Prime Minister of India

”

India's **Hon'ble Prime Minister Shri Narendra Modi** has shown a new pathway for Climate Change Mitigation through **Mission LiFE** - Lifestyle for Environment, with an aim:

- to utilise the power of collective action and encourage individuals worldwide to undertake simple **climate-friendly actions** in daily life
- to move towards a **circular economy** by reducing waste, promoting sustainable production and consumption, and create a closed-loop system where resources are used efficiently and waste is minimised
- to make it an India-led **global mass movement** and encourage behavioural change towards adoption of sustainable practices

He has also laid down his vision of making India the world's third-largest economy with a focus on energy security through **biofuels, renewables,** and **Green Hydrogen.**

PURPOSE OF THE SUMMIT

MESSAGE



of peace, harmony & 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 climate-friendly actions in daily life.

MISSION



to be the third largest economy in the world through a focus on energy security through biofuels, renewables, and Green Hydrogen; 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 & regulatory barriers 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



ICS 2023 AT A GLANCE

600+
DELEGATES

75+
EXHIBITORS

60+
SPEAKERS

09
STATES

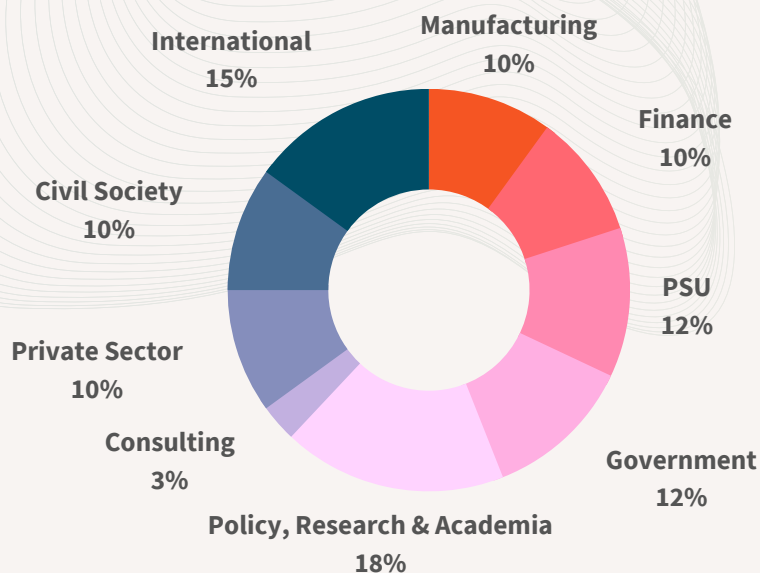


60,000+
ATTENDEES

08
SESSIONS

04
B2G/ B2B MEETS

INDUSTRY PARTICIPATION



BE A PART OF ICS 2023: SPONSORSHIP AND EXHIBIT OPPORTUNITIES



International Climate Summit 2023 is the industry's gateway to exclusive next generation clean energy business opportunities. A host of sponsorship and exhibit opportunities for Country, State, Corporate and Institutional participants allow you to showcase your brand/ products/ services to industry leaders and key decision-makers in the global clean energy sector. Ensuring high visibility and return on investment. Limited exhibit spaces are available on first-come-first-serve basis.

For participating opportunities & enquiries:

Kanchan Zutshi, Sr. Secretary, PHDCCI

M: +91.98187.78399 | E: kanchanzutshi@phdcci.in

GLOBAL DIALOGUE. ACTIONABLE OUTCOMES.



OBJECTIVES

- Showcase India's ability to combine ancient wisdom & modern technologies to mitigate climate change
- Encourage adoption of circular economy principles
- Highlight India's efforts towards achieving energy security through renewable energy deployment and opportunities in Green Hydrogen, Biofuels and renewable
- Facilitate Public-Private-Government partnerships in Green Energy Technologies
- Unlock climate finance, technology transfer, knowledge sharing and capacity building



DELIVERABLES

- 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 & renewables
- Release of Knowledge Book



HYBRID MODE

SUMMIT SCHEDULE

14 SEPTEMBER 2023 DAY 01

09:30 -
10:30 HRS

INAUGURAL SESSION

- Arrival of Chief Guest, **Hon'ble Prime Minister of India***
- National Anthem
- Welcome Address by **PHDCCI Leadership**
- Launch of **ICS 2023 Theme Film**
- Inaugural Address by **Sh. Narendra Modi***, *Hon'ble Prime Minister of India*
- Release of **Knowledge Book**
- Showcasing **Manthan**, a platform launched by Office of the Principal Scientific Advisor to the Govt. of India - for building & nurturing partnerships through science, technology and innovation

10:30 -
13:30 HRS

PLENARY SESSION

- Address by **Sh. Amitabh Kant**, *G20 Sherpa, Govt. of India*
- Address by **Sh. Bhupendra Yadav***, *Hon'ble Minister of Environment, Forest & Climate Change, Govt. of India*
- Address by **Sh. Raj Kumar Singh***, *Hon'ble Minister of Power and New & Renewable Energy, Govt. of India*
- Address by **Sh. Hardeep Singh Puri***, *Hon'ble Minister of Petroleum & Natural Gas, Govt. of India*
- Address by **Dr. Jitendra Singh***, *Union Minister of State (Ind. Charge) Science & Technology and (Ind. Charge) EarthSciences, Govt. of India*
- Address by **His Holiness Sri Sri Ravi Shankar***, *Spiritual Leader*
- Address by **Ms. Gro Harlem Brundtland***, *Former Prime Minister, Norway*
- Address by **Mr. Erik Solheim**, *Former Executive Director of the UN Environment Programme*
- Address by **Mr. Vegard Frihammer**, *Green Executive Officer/ Founder & CEO, Greenstat ASA, Norway*
- Address by **Mr. John B. Goodenough***, *Nobel Laureate, University of Texas at Austin, USA*
- Address by **Mr. M. Stanley Whittingham***, *Nobel Laureate, Binghamton University, State University of New York, USA*
- Address by **Mr. Akira Yoshino***, *Nobel Laureate, Asahi Kasei Corporation, Tokyo Meijo University, Nagoya, Japan*
- Address by **Dr. Vijay Kumar Saraswat***, *Member, NITI Aayog*
- Address by **Prof. Ajay Kumar Sood***, *Principal Scientific Advisor, Govt. of India*
- Address by **Dr. N. Kalaiselvi***, *Secretary, DSIR & Director General, CSIR, Ministry of Science & Technology, Govt. of India*



13:30 -
14:30 HRS

NETWORKING LUNCH

Time Zone: Indian Standard Time (IST)

*To be confirmed

HYBRID MODE

SUMMIT SCHEDULE

14 SEPTEMBER 2023 DAY 01

14:30 - 18:30 HRS

CONCURRENT KNOWLEDGE SESSIONS

Session 01

14:30 -
16:30 HRS

Sustainable Future

MODERATOR

TOPIC

Lifestyle for Environment

Circular Economy

Regenerative Leadership

Spiritual & Cultural
Transformation: Inner &
Outer Peace

Charting a blueprint for
sustainable development

Dr. Karen Landmark

Green Strategy Officer/ Chair of the Board, Greenstat Asia

SPEAKER

Mr. Erik Solheim

Former Executive Director of the UN Environment Programme

To be confirmed

Dr. Karen Landmark

Green Strategy Officer/ Chair of the Board, Greenstat Asia

Dr. J.P. Gupta

Summit Chair & Chair, Environment & Green Hydrogen
Committee, PHDCCI

Mr. Mahendra Rustagi

Co-Chair, Environment & Green Hydrogen Committee, PHDCCI

Session 02

14:30 -
17:00 HRS

Green Transition

MODERATOR

TOPIC

Production of Hydrogen
through Electrolyzers

Production of Hydrogen
through Agro & Bio waste

Biofuels

Synthetic Paraffin Kerosene

Transportation of Hydrogen &
Storage

Green Hydrogen application in
Ammonia, Steel, Cement, Ceramics

Fuel Cells

Accreditation and testing of
electrolyzers and storage

Center of Excellence in Green
Hydrogen and Safety

Dr. R.K. Malhotra

President, Hydrogen Association of India

SPEAKER

Mr. Sturle H. Pedersen

Chairman, Greenstat Hydrogen India Pvt. Ltd.

Dr. K.K. Pant, Director, IIT Roorkee

To be confirmed

Mr. Oskar Meijerink, Head of Future Fuels, SKYNRG

Mr. Mahendra Rustagi

Co-Chair, Environment & Green Hydrogen Committee, PHDCCI

To be confirmed

Mr. Siddharth R. Mayur

Founder, President & CEO, h2e Power Systems Pvt. Ltd.

To be confirmed

To be confirmed

*To be confirmed

Time Zone: Indian Standard Time (IST)

Session 03

14:30 -
17:30 HRS

Research & Development

MODERATOR

TOPIC

Methanol & Ethanol Reforming

Carbon Capture

Coal Gasification

Indigenisation of Electrolyzers

Storage: Carbon Fibre,
Metal Hydride, othersHow to monitor and reduce risk
in new & existing installationsFuel Cell: Low Temperature
Lab and High Temperature

To be confirmed

SPEAKER

Padma Shri Prof. G. D. Yadav*National Science Chair (SERB/ DST/ GOI) & Emeritus Professor of Eminence***Dr. Mahesh Kumar***Sr. Principal Scientist, Innovation Management Directorate, Council of
Scientific & Industrial Research (CSIR), Ministry of Science & Technology*

To be confirmed

To be confirmed

To be confirmed

Prof. Jan Roar Bakke, Senior Vice President, GEXCON**Mr. Steffen Møller Holst**, Vice President- Marketing, SINTEF

Session 04

16:30 -
18:30 HRS

Climate Finance

MODERATOR

TOPIC

Green Hydrogen Financing Options

Green Bonds

Government support – PLI

Carbon pricing and GH financing

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

SPEAKER

Mr. Shiva Rajaraman, CEO, NIIF**Ms. Surabhi Goel**, Senior Energy Specialist, World Bank**Mr. Volker Jaensch***Renewable Energy & Climate Change Mitigation Expert, RENAC***Mr. Ajay Garg**, MD, Equirus Capital

Session 05

16:30 -
18:30 HRS

Energy Transition & Energy Security

MODERATOR

TOPIC

Net Zero & Importance of
Energy Security for IndiaUtilisation of Coal for
Energy Security

Oil and Gas

Time to Put a price on
Carbon Emissions**Dr. Jatinder Singh**, Assistant Secretary General, PHDCCI

SPEAKER

Mr. Amarnath, Addl. Secretary, Ministry of Personnel, Public
Grievances and Pensions, Govt. of India

To be confirmed

Dr. J. S. Sharma*Co-Chair, Environment & Green Hydrogen Committee, PHDCCI***Mr. Umesh Sahdev***Co-Chair, Environment & Green Hydrogen Committee, PHDCCI*19:30 HRS
ONWARDSICS 2023
AWARDS

ICS 2023 Awards Presentation / Gala Cocktails & Dinner**

Green Energy Meet: Session of States

09:30 - 10:30 HRS

WELCOME DELEGATES

- Arrival of **Chief Ministers/ Ministerial Representatives**
- National Anthem
- Introduction & Welcome Remarks by **PHDCCI Leadership**
- ICS 2023 Theme Film**

10:00 - 13:30 HRS

MINISTERIAL ROUNDTABLE

MODERATOR

To be confirmed

PARTICIPATING STATES

- Uttar Pradesh* • *Maharashtra* • *Punjab* • *Haryana* • *Madhya Pradesh*
- Rajasthan* • *Gujarat* • *Assam* • *Kerala*

TOPIC

- What do States offer on Green Hydrogen, biofuels and renewables: Investment Outlook, Opportunities and Government Support
- Presentations by States: Climate Actions, Policies, Legislations & Way Forward
- Panel Discussion
- Q&A Session
- Concluding Remarks and Vote of Thanks

13:30 - 14:30 HRS

NETWORKING LUNCH

14:30 - 17:30 HRS

BUSINESS MEET (B2G AND B2B MATCH MAKING)

PRE REGISTRATION MANDATORY

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

17:30 - 19:00 HRS

VALEDICTORY SESSION

- Arrival of Chief Guest **Sh. Nitin Gadkari***, *Hon'ble Minister of Road Transport and Highways of India*
- Valedictory Speech by **Hon'ble Chief Guest**
- Felicitation of **ICS 2023 Award Winners**
- Closing the Summit: Reflections & Way Forward - An address by **Dr. J.P. Gupta**, *Summit Chair & Chair, Environment & Green Hydrogen Committee, PHDCCI*
- Closing Remarks by **PHDCCI Leadership**
- Vote of Thanks by **PHDCCI**

*To be confirmed

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 & PGNRB

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. 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

Dr. SSV Ramakumar*

Director (R&D), Indian Oil Corporation

Dr. R. K. Malhotra

Hydrogen Association of India (HAI)

Mr. Alok Sharma

Hydrogen Association of India (HAI)



**14 & 15 SEPTEMBER 2023
TAJ PALACE, NEW 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

Saurabh Sanyal

CEO-Secretary General, PHDCCI

Dr. Ranjeet Mehta

Dy. Secretary General, PHDCCI

Kanchan Zutshi

Sr. Secretary, Environment Committee, PHDCCI

Sanjay Sarma

Principal Consultant & Founder
SSARMA Consults

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, bio-fuels, renewables and Green Hydrogen.

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



WHO SHOULD ATTEND

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



SUMMIT PARTNERS



SUPPORTING MINISTRIES, GOVT. 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



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Rajasthan
Gujarat
Assam
Kerala



POLICY & RESEARCH

Niti Aayog
Department of Science & Technology
Council of Scientific and Industrial Research
The Energy and Resources Institute
Centre of Excellence in Process Safety & Risk
Management, IIT Delhi
Shriram Institute for Industrial Research



INTERNATIONAL

Greenstat Norway
Gexcon Norway
Arena H2 Cluster
The Norwegian Hydrogen Cluster
Norwegian Hydrogen Forum
The Research Council of Norway
Yara International ASA
The Confederation of Norwegian Enterprise (NHO)
Macquarie Group
Green Investment Group, USA
ACME Group
World Bank
Petron Sciencetech Inc.





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.



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 Hydrogen Association of India
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AATMANIRBHAR BHARAT

**SELF RELIANCE THROUGH SUSTAINABLE
PRACTICES, BIO FUELS, RENEWABLES & HYDROGEN**

A new pathway towards climate change mitigation through mainstreaming Lifestyle for Environment and making the Green Energy transition to achieve energy security.

Strengthening India's mission to become Aatmanirbhar (self-reliant) and energy independent by 2047; and achieve net-zero emissions by 2070.

The India-led global clean energy movement begins here and now.

Log on to www.ics-hydrogen.com

For participating opportunities & enquiries

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Summit Organiser



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