



PHD CHAMBER
OF COMMERCE AND INDUSTRY
VOICE OF INDUSTRY AND TRADE



Ministry of Environment, Forest
and Climate Change



रसायन एवं पेट्रो-रसायन विभाग
DEPARTMENT OF
**CHEMICALS & PETRO-
CHEMICALS**



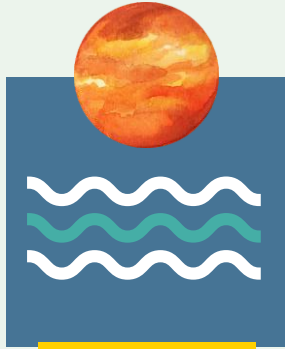
Office of the Principal
Scientific Adviser to the
Government of India



कृषि एवं किसान
कल्याण मंत्रालय
MINISTRY OF
**AGRICULTURE AND
FARMERS WELFARE**



Manthan



4TH INTERNATIONAL CLIMATE SUMMIT

19th July 2024 at 09:00 AM at Hotel Taj Palace, New Delhi

Decarbonizing Pathways:

**CORN-ETHANOL THROUGH
CORN REVOLUTION**

**Energy Security, Food Security and Decarbonization
through Corn Ethanol- Preferred Pathway for 'Viksit Bharat'**

For Registration



SCAN ME

PARTNERS



KNOWLEDGE PARTNER



ABOUT THE SUMMIT

Bioethanol has emerged as a promising alternative to gasoline and LPG. It is renewable, clean, and cost-effective, presenting an important pathway for energy security and decarbonization. Doping ethanol with petrol supplies extra oxygen for complete combustion, reducing carbon monoxide levels in auto emissions and interfaces. Ethanol has an octane rating of 115, burning cleanly in automobile engines with fewer particulate emissions. 2G-ethanol will play an important role in replacing gasoline and will provide energy security to our country. Additionally, replacing LPG with ethanol for cooking will be a revolution in itself. Using LPG for cooking poses risks due to single fuel dependency. Ethanol offers additional advantage over the logistics of using heavy LPG cylinders, with a reduction in the substantive costs associated with maintaining complex infrastructure for LPG. In view of this, bioethanol emerges as a competing renewable fuel.

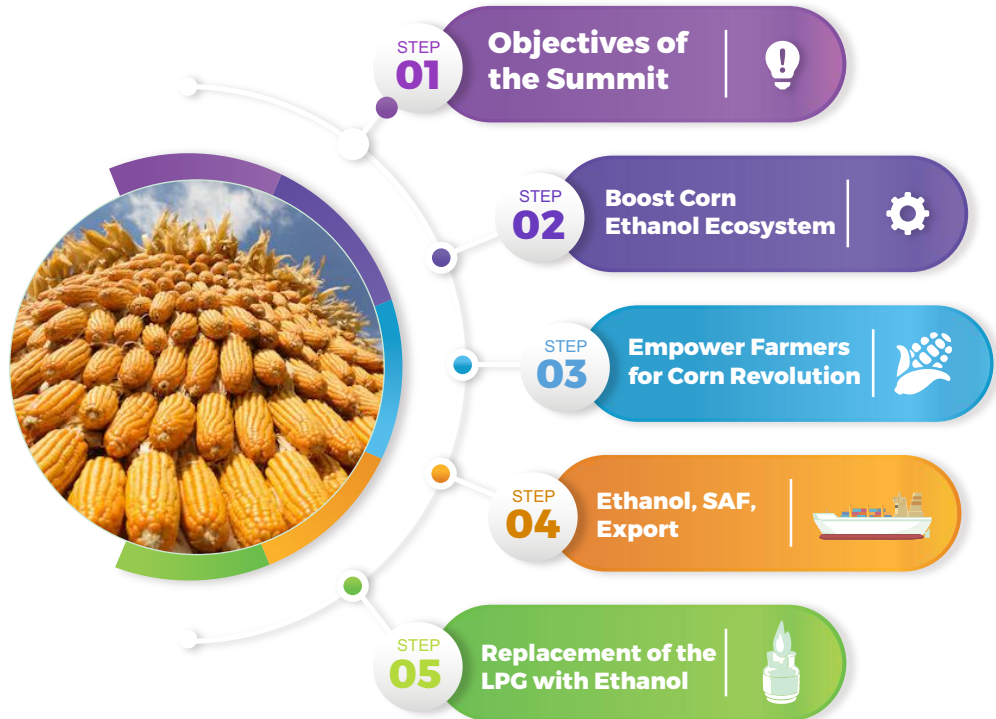
In nearly a decade, India's ethanol blending initiative has yielded impressive results. This has resulted in significant savings in foreign exchange amounting to Rs. 78,118 crores, alongside a substantial reduction in CO2 emissions totaling 426 lakh MT. Moreover, these efforts have successfully substituted 142 lakh MT of crude oil during the same period, contributing to energy security and sustainability. Equally noteworthy is the substantial support provided to farmers. Biofuel demand is set to expand to 38 billion liters over 2023-2028, a nearly 30% increase from the last five-year period. In fact, total biofuel demand rises by 23% to 200 billion liters by 2028, with renewable diesel and ethanol accounting for two-thirds of this growth and biodiesel and biojet fuel making up the remainder.

Needed Corn Ethanol to Make India Self-Reliant in Ethanol

Among emerging economies, Brazil, Indonesia, India, and Malaysia are forecasted to drive over 60% of global biofuel demand and production growth during the specified period. Robust biofuel policies will lead to escalating demand for transport fuel, ethanol for cooking, and the introduction of Sustainable Aviation Fuel. The government needs to accord the topmost priority supporting the 'Corn Revolution' in the country on war footing for the production of 2G ethanol. PSUs and other oil sector companies should set up mega 2G refineries (1250 KLPD to 1500 KLPD) on a priority basis.

The government needs to support Indian farmers with lucrative incentives to bring about a Corn Revolution in the country. Importing dented corn should be duty-free to create an ecosystem for 2G ethanol production for a period of five years till India becomes self-sufficient in local production of dented corn.

Dr. J. P. Gupta,
Summit Chair,
Chair, Environment & Green Hydrogen Committee,
PHD Chamber of Commerce & Industry



GLOBAL BIOFUEL ALLIANCE



Global Biofuel Alliance (GBA) is a dynamic initiative by the PM Narendra Modi that brings together governments, international organizations, and industry to speed up the adoption of biofuels, is to lead the biofuels development and deployment by uniting major consumers and producers, establishing them as crucial for energy transition and economic growth.

“The launch of the Global Biofuels Alliance marks a watershed moment in our quest towards sustainability and clean energy.”

-PM Narendra Modi

It will help accelerate India’s existing biofuels programs such as PM-JIVANYojna, SATAT, and Gobardhan scheme, thereby contributing to increased farmers’ income, creating jobs and overall development of the Indian ecosystem.

The Global Biofuels Alliance (GBA) aims to boost sustainable biofuels globally. They focus on capacity-building throughout the value chain to enhance efficiency and innovation. GBA’s initiative aligns with the goal of increasing renewable energy in transport from 3% to 27% by 2050. Their strategy includes a virtual marketplace to connect supply and demand in the growing biofuel industry. This marketplace plays a key role in harmonizing global biofuel efforts as demand is expected to rise significantly by 2028.



9:00 AM – 10:00 AM Registration/Tea

INAUGURAL SESSION (10:00 AM -11:30 AM)

10:00 AM – 10:01 AM	National Anthem
10:01 AM – 10:05 AM	Lamp Lighting
10:05 AM – 10:10 AM	Welcome Address – Mr. Sanjeev Agrawal, President, PHDCCI
10:10 AM – 10:15 AM	Setting the Context of the Climate Summit- Dr. J. P. Gupta, Summit Chair, PHDCCI
10:15 AM – 10:20 AM	Theme Film- 4th ICS 2024
10:20 AM – 10:50 AM	Address by Guest of Honor: Shri Kirtivardhan Singh , Minister of State of Environment, Forest and Climate Change, Government of India
10:50 AM – 11:20 AM	Address of the Chief Guest: Shri Nitin Jairam Gadkari , Honorable Minister of Road, Transport & Highways, Government of India
11:20 AM – 11:25 AM	Release of Knowledge Book
11:25 AM – 11:30 AM	Vote of Thanks by PHDCCI

PLENARY SESSION (11.30 AM- 01.30 PM)

11:30 AM – 01:30 PM	<p>Mr. Nobuo Tanaka, Executive Director Emeritus, International Energy Agency (IEA); CEO, Tanaka Global,Inc.</p> <p>Mr. Erik Solheim, Former Executive Director, UN Environment Program</p> <p>Mr. Yogendra Sarin, President & CEO, Petron Sciencetech USA</p> <p>Dr. Sadesh Sookraj, Global Decarbonization Advisor, IFC Washington (Part of World Bank)</p> <p>Shri Rakesh Jain, National Co Convenor Paryavaran Initiatives , RSS</p> <p>Mr. Alok Sharma, Director (R&D), IOCL</p> <p>Mr. Faiz Ahmad Kidwai, IAS, Additional Secretary, Ministry of Agriculture and Farmers Welfare</p> <p>Mr. Prasad K. Panicker, Executive Chairman, Nayara Energy Ltd.</p> <p>Mr. Alok B. Shriram, Sr. MD & CEO, DCM Shriram Industries Ltd.</p> <p>Ms. Beate Langset, Miljøråd/ Counsellor for Climate and Environment, Royal Norwegian Embassy in New Delhi</p> <p>Mr. Sachin Lokhande, Business Director – India, LanzaJet, Inc.</p> <p>Dr. R. K. Malhotra, President, Hydrogen Association of India</p>
---------------------	---



LUNCH (01.30 PM- 02.30 PM)

TECHNICAL SESSION I: Ethanol production- 1G and 1.5G Technologies

Session Convener – Dr. J S Sharma, Co- Chair, Environment and Climate Change Committee, PHDCCI

Session Chair - Mr. Yogendra Sarin, President & CEO, Petron Scientech USA

02:30 PM – 03:45 PM Lt Col Monish Ahuja (Retd), Chairman & Managing Director, PRESPL
 Dr. K. K. Pant, Director, IIT Roorkee
 Mr. Ranjit Kulkarni, Leader of Honeywell’s Energy and Sustainability Solutions
 Mr. Sachin Chugh, Associate Director and Hydrogen Lead India, ARUP UK Ex
 Indian Oil / Ex NTPC
 Dr. R. P. Verma, formerly Petrotech Chair; Prof. IIT Delhi and Executive Director & Head- R&D,
 Indian Oil Corporation Limited
 Dr. Umish Srivastva Executive Director(AE&NEC), Indian Oil Corporation Limited

VALEDICTORY SESSION (04.00 PM - 05.00 PM)

04:00 PM - 04:05 PM Arrival of Dignitaries
 04:05 PM - 04:06 PM National Anthem
 04:06 PM - 04:10 PM Lamp Lighting/ Felicitation of Hon'ble Vice President of India
 04:10 PM - 04:15 PM Welcoming Address by Shri Sanjeev Agrawal, President, PHDCCI
 04:15 PM - 04:20 PM ICS 2024 Film
 04:20 PM - 04:25 PM Theme Address by Dr J P Gupta, Chair, Environment and Climate Change
 Committee, PHDCCI
 04:25 PM - 04:50 PM Keynote Address by Hon'ble Vice **President of India**
 04:50 PM - 04:55 PM Vote of Thanks by Shri Hemant Jain, Sr. Vice President, PHDCCI
 04:55 PM - 04:56 PM National Anthem
 04:56 PM - 05:00 PM Group Photograph of PHDCCI Leadership and Senior Delegates with
 Hon'ble Vice President of India & Departure of Hon'ble Vice President of India

TEA/COFFEE BREAK (05.00 PM - 05:30 PM)



TECHNICAL SESSION II: Corn Revolution – Transform Rural India

Session Convener – Mr. Umesh Sahdev, Co- Chair, Environment and Climate Change Committee, PHDCCI

Session Chair - Prof. Venugopal Achanta, Director, CSIR- National Physical Laboratory

05:30 PM – 06:30 PM Mr. Rajvir Singh Rathi, Director – Public Affairs, Science & Sustainability
ISBL Lead - Traits Licensing Business, Bayer CropScience Limited
Dr Bhupender Kumar, Sr Maize Breeder, ICAR-Indian Institute of Maize Research, Ludhiana
Mr. Satyender Singh, CEO-Seeds, Crystal Crop Protection Limited
Dr. Sheetal Sharma, Scientist - Soil Science and Research Leader - Digital Tools & Big Data IRRI
Dr. Dinesh Kumar Chauhan, CEO and Head-Agribusiness and Innovation Platform, ICRISAT
Dr. Rajbir Singh, Assistant Director General (AAF&CC), NRM Division, ICAR

TECHNICAL SESSION III: Decarbonization and Carbon Trading

Session Convener – Mr. Mahendra Rustagi, Co- Chair, Environment and Climate Change Committee, PHDCCI

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

Mr. Vijay Sardana, Techno-Legal Expert & Advocate, Supreme Court of India

06:30 PM – 07:30 PM Mr. Pradip Kumar Das, CMD, IREDA
Prof. G. D. Yadav, Padma Shri and Internationally renowned scientist
Mr. Manoj Mahata, Energy Advisor, Implementation of Energy Plan
Prof. Amar Pal Singh, Vice-Chancellor, Dr. R.M.L. National Law University
Ms. Megha Jain, Senior Advisor, Private Sector Bill & Melinda Gates Foundation

GREEN AWARDS (07:30 PM Onwards)

07:30 PM Onwards **Felicitation of 4th ICS 2024 Award Winners**
4th ICS 2024 Awards Presentation followed by Gala Dinner
(Entry by Invitation only)





DELIVERABLES

International Climate Summit 2024 is a continuous work in progress- The 4th iteration of the summit focused on Corn Ethanol aims to deliver the following.



Corn Ethanol Technology

- Facilitate technology transfer and joint ventures (JVs) for next-generation technologies, such as 1.5G and 2G, to establish international-scale corn bio-refineries. Aim to create an ecosystem for setting up at least 20 mega biorefineries in the country.

Research and Development

- Foster joint initiatives among academia, industry, and research institutions to tackle key scientific and technological challenges in Corn Ethanol Production, Synthetic Aviation Fuel, and low-

Best Practice Guidelines

- Showcase best practice guidelines from international projects, policies, and initiatives worldwide. These guidelines can act as practical tools for policymakers, project developers, and

Investment Opportunities

- Curate investment prospectuses to connect bioethanol project developers with potential

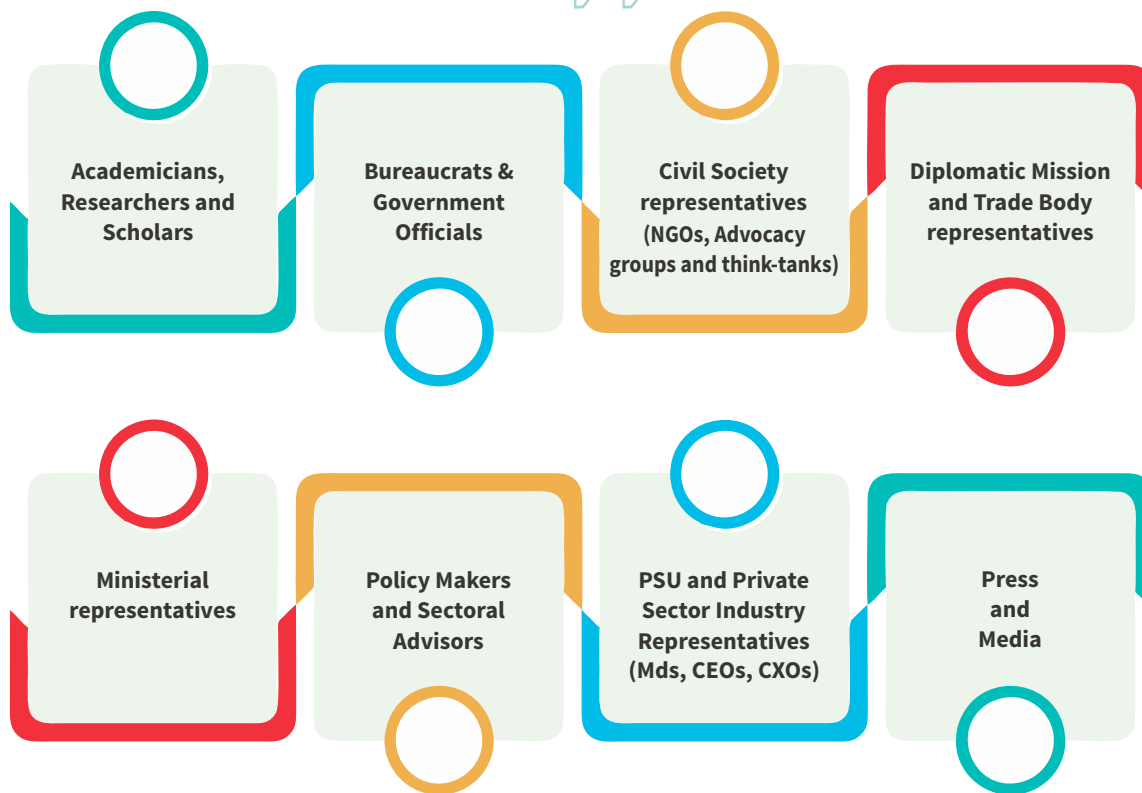
Policy Recommendations

- Synthesize insights from expert discussions and stakeholder inputs into policy briefs or recommendations for governments and policymakers.





WHO SHOULD ATTEND



ORGANISING COMMITTEE



Dr. Ranjeet Mehta,
Executive Director, PHDCCI
Mob: +91-9811085662,
Email Id: ranjeetmehta@phdcci.in;
ed@phdcci.in



Dr. J. P. Gupta
Summit Chair, Chair - Environment and
Climate Change Committee, PHDCCI
Mob: +91-9810141635
Email Id: jpglobalconsultinggroup@gmail.com



Dr. J S Sharma
Co-Chair- Environment and Climate
Change Committee, PHDCCI
Mob: +91- 9868282230
Email Id: sharmajswarup@hotmail.com



Mr. Umesh Sahdev
Co-Chair- Environment and Climate
Change Committee, PHDCCI
Mob: +91-9811088665
Email Id: umesh.sahdev@hydro-genium.com



Mr. Mahendra Rustagi
Co-Chair- Environment and Climate
Change Committee, PHDCCI
Mob: +91-9810081650
Email Id: mahendra.rustagi@krestonsnr.com




Mr. Yogendra Sarin
Founder & Chief Executive Officer
Petron Scientech Inc.
Mob: 609-651-3848
Email Id: ysarin@petronscientech.com



Ms. Kanchan Zutshi
Director, PHDCCI
Mob: +91-9818778399,
Email Id: kanchanzutshi@phdcci.in



Ms. Aparajita Mangotra
Sr. Secretary, PHDCCI
Mob: +91-9871002866
Email Id: aparajita.mangotra@phdcci.in



Mr. Kasber Thomas
Secretary, PHDCCI
Mob: +91-9899988206
Email Id: thomas@phdcci.in

PHD CHAMBER OF COMMERCE AND INDUSTRY

PHD House, 4/2 Siri Institutional Area,
August Kranti Marg, New Delhi - 110 016
(W) www.phdcci.in

