



# **KNOWLEDGE SESSION**



## Successful Demonstration and Future Scope of **Natural Refrigerant Systems in India**

05<sup>th</sup> October 2024 | Time : 10:00 AM – 01:00 PM Venue – Biswa Bangla Mela Prangan, Kolkata



#### Key Speakers



Dr. Yosr Allouche Director General of the International Institute of Refrigeration (IIR)



Prof. Armin Hafner Professor,

**NTNU Norway** 



KM Manikkandan Managing Director, Kardi Dryers (P) Ltd



Dr. Kristina N. Widell Senior Research Scientist, SINTEF Ocean, Norway



Prof. MP Maiya Professor, Department Of Mechanical

Engineering, IIT Madras



Prof. Pramod Kumar Prof. MS Dasgupta Professor. Interdisciplinary Centre for Energy Research, IISc Bengaluru



Professor, Department of Mechanical Engineering, BITS Pilani, Rajasthan



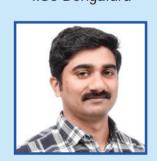
**Torgrim Asphjell** Chief Engineer, Norwegian **Environmental Agency** 



**Sonal Kumar** Programme Lead, CEEW, New Delhi



Dr. Krzysztof Banasiak Senior Researcher, SINTEF Energy Research



Dr. Sarun Kumar Kochunni Post Doctoral Fellow, **NTNU Norway** 



Dr. Simarpreet Singh Research Associate, **NTNU Norway** 



**Marco Bless** Researcher, SINTEF Energy Research



Lukas Köster Researcher. SINTEF Ocean. Norway



Dr. Siva Kumar Reddy Post Doctoral Fellow, Department Of Mechanical Engineering, **IIT Madras** 



Dr. Chayan Das Post Doctoral Fellow, Department of Mechanical Engineering, BITS Pilani, Rajasthan



**Prosenjit Singha** Ph.D, BITS Pilani



Vinod Laguri Ph.D, Interdisciplinary Centre for Energy Research, IISc Bengaluru



Dr. Arun BS Post Doctoral Fellow, ICAR-CIFT Kochi, Kerala

### Conference Schedule

#### INTRODUCTION SESSION

**Topic** 

Global Challenges of the Refrigeration Sector

Potential for Natural Refrigerant Based Systems for Refrigeration Applications in India - Challenges and Opportunities Heat Pump for Drying Applications - A Case Study

INDEE+ Project: Outcomes and Contributions to Indian Cooling Applications

## INDEE+ INDUSTRIAL DEMONSTRATION SITES AND ACADEMIC EDUCATIONAL UNITS

**Topic** 

Potential of CO2 Heat Pump for Hospital Applications. Clean Cooling Solution to Meet the Heating Cooling Demand in Milk Processing

Onboard Ice Production in Small Fishing Boats Using Natural Refrigerants

Hotel Decarbonisation Using R744 Heat Pump/Chiller in India Performance Evaluation of CO2-NH3 Cascade Refrigeration System for Seafood Deep Freezing

Learnings from CO2 Refrigeration and Heat Pump Systems Developed in India

**PANEL DISCUSSION 1** 

Topic How India can Transition to Clean Refrigerants

**PANEL DISCUSSION 2** 

**Topic** Solutions for Reducing Food Loss and Waste in Cold Chains

**Register Now For Free Entry** 



**SPEAKERS FROM** 

















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