

iFOREST

INTERNATIONAL
FORUM
FOR ENVIRONMENT,
SUSTAINABILITY
& TECHNOLOGY

S I D E E V E N T

MAINSTREAMING NOT-IN-KIND TECHNOLOGIES FOR GREENING RAC SYSTEMS

**Combined thirteenth meeting of the Conference of
the Parties (COP13) and the Thirty-Sixth Meeting of
the Parties to the Montreal Protocol (MOP36)**

Wednesday, 30th October 2024 | 13:00 to 15:00

**CR-3, United Nations Conference Centre (UNCC), United
Nations Economic and Social Commission for Asia and
the Pacific (ESCAP), United Nations Building, Bangkok**



Background

Not-in-kind (NIK) cooling technologies offer non-fluorocarbon and energy-efficient refrigeration and cooling, breaking away from traditional refrigeration and air-conditioning systems that rely on vapour compression cycles using a gaseous refrigerant. They encompass a variety of technologies, both new and old, that do not depend on ozone-depleting or high global warming potential (GWP) refrigerants, making them a climate-friendly option.

As the parties to the Montreal Protocol (MOP) concentrate on the phase-down of hydrofluorocarbons (HFCs), the focus is primarily on the availability of zero- or low-GWP alternatives. However, over the past two decades, owing to rapid research and development in this space, NIK technologies have made a significant breakthrough and have the potential to play a significant role.

Objective

With the rapidly rising demand for cooling, especially in the Global South, and these countries striving to meet their SDG targets without compromising economic growth, this side event aims to emphasise and bring about an accelerated and transformational change by developing a global policy focus on NIK solutions to address the rapidly rising cooling demand.

The side event will bring together global experts to explore the status of technological and market development, existing barriers, and the strategies and support required for global scale-up for the adoption of NIK technologies.

Key themes to be discussed

- Comparison of NIK with conventional cooling technologies
- Role of NIK technologies in ozone protection
- High-potential NIK technologies available in market
- Current barriers for scaling up NIK
- Standards required for scaling NIK technologies
- Global policy ecosystem required for scale-up of NIK
- Role of international agencies in promoting NIK
- Financing NIK for Global South

Session Agenda

13:00 – 13:30	Welcome and Refreshments
13:30 – 13:45	Context Setting and Presentation by Dr Chandra Bhushan, President & CEO, iFOREST
13:45 – 14:45	Panel Discussion <ul style="list-style-type: none"> • Mr Aditya Narayan Singh, Additional Director – Ozone Cell, MoEFCC, GoI • Dr Chandra Bhushan, President & CEO, iFOREST • Mr Maas Goote, Founder - Carraway Strategies and Former UNFCCC lead negotiator for the European Union • Dr Nihar Shah, Presidential Director – Global Cooling Efficiency Program, Lawrence Berkeley National Laboratory • Dr Omar Abdelaziz, Assistant Professor – The American University in Cairo And TEAP Member • Dr Sukumar Devotta, Professor of Eminence, Anna University and Former Director, CSIR and NEERI and TEAP Member Session Moderator: Ms Nidhi Bali, Director – Clean Energy and Urban Transition, iFOREST
14:45 – 15:00	QnA & Felicitation

Refreshments will be provided