



INDIA'S CARBON CAPTURE & UTILIZATION NETWORK (CO₂INDIA)

1st Webinar on 26th August 2021
(4.00 to 5.30 pm IST on Zoom Platform)

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Speaker



Dr. ANIL KAKODKAR

Former Chairman,
Atomic Energy Commission

Webinar on

"Decarbonising India's Energy System - Lessons from our Nuclear Energy Programme"

Decarbonising India's energy systems would require recourse to nuclear and renewable energy as primary energy supply and to electricity and hydrogen as energy carriers. All segments (residential, industrial, transportation etc.) of demand side would need to be reconfigured around these energy sources and energy carriers. Realising the transformation from the present fossil dependent energy infrastructure to one stated above is a huge challenge with major technology and financial ramifications. Further the transformation would necessarily have to go through a period of heavy deployment of CCU technologies since the world cannot wait for reaching net zero emission beyond the middle of this century.

The challenge for India is particularly serious since our additional energy needs to reach a human development index comparable with the best are the highest for any country in the world. Domestic technology development with an integrated approach, is crucial in this regard as such an approach can allow us to tailor optimum solutions to meet our needs at minimum cost with positive impact on our economy.

Can we make this happen? How ready is our S&T system and more importantly our industrial and policy mind set? What about external business interests? The presentation would discuss these issues in the context of our experience with nuclear energy.

Organizers: Vivek Polshettiwar (TIFR, Mumbai), Tapas Maji (JNC SAR, Bangalore), Swadhin Mandal (IISER, Kolkata), Jitendra Bera (IIT, Kanpur), Ayan Datta (IACS, Kolkata), Sukhendu Nath (BARC, Mumbai), Rajanish Kumar (IIT, Chennai), Sreekumar Kurungot (NCL, Pune), Jyoti Phirani (IIT, Delhi), Sharad Lande (Reliance Industries), Kapil Bansal (GasGrows Solutions Pvt. Ltd.).

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Webinar Zoom Link: <https://zoom.us/j/99378552824?pwd=UoJOToxDUHNXUDcyYnV3NGJYN2dJdzog> Passcode: bhabha

