



**INDIA INTERNATIONAL CENTRE (IIC) & MINISTRY OF EARTH SCIENCES (MoES)**

## **IIC Diamond Jubilee Science Exhibition**

7<sup>th</sup> to 14<sup>th</sup> January, 2023 (11 am to 7 pm)

*Venue: Art Gallery, Kamaladevi Complex, IIC, Lodhi Road, New Delhi*

### **Ministry of Earth Sciences and its growth by Leaps and Bounds**

Ministry of Earth Sciences, formerly the Department of Ocean Development (DOD), which was created in July 1981 functioned as a nodal institution for organizing, coordinating and promoting ocean development activities in the country. In July 2006, the Ministry of Ocean Development was reorganized by the Government of India as new Ministry of Earth Sciences (MoES), is mandated to provide services for weather, climate, ocean and coastal state, hydrology, seismology, and natural hazards; to explore and harness marine living and non-living resources and to explore the three poles of the Earth (Arctic, Antarctic and Himalayas). These developments accelerated the growth of Indian expertise in ocean science and technology, marine geosciences, operational oceanography, exploration of marine living resources, etc. and also lead to the establishment of National Institute of Ocean Technology (NIOT), National Centre for Polar and Ocean Research (NCPOR), Indian National Centre for Ocean Information and Services (INCOIS), now playing major role in ocean related studies in the Country.

Today, India is capable of providing forecasts on various facets of ocean including the early warnings on tsunami and storm surges, building desalination plants to solve the drinking water problems in Lakshadweep Islands, building remotely operable underwater vehicles, exploring the Southern Oceans, management of marine living resources, etc. With these capabilities, India is well posed to take the next step to channel these developments in the areas of ocean science and technology to craft out socially, strategically and economically useful products and knowledge.

Considering the importance of Ocean sciences for sustainable development of the country, the Ministry has recently launched an ambitious program named "Deep Ocean Mission" which aimed at developing technologies to explore deep ocean for resources and their sustainable use, growing the country's marine and maritime economy, tackle climate change and pollution. Deep Ocean Mission will be a mission mode project to support the Blue Economy Initiatives of the Government of India.

The exhibition highlights this journey starting from 1981 in providing advisory services in weather and ocean, understanding of polar science and solid earth and development of technologies for harnessing ocean resources and to the continuing journey that has transformed the country into a technology driven one. It will be highlighted in the form of display of text, photographic panels, display of posters and models for technology demonstration.

## **Title: Science and Technology in Earth Sciences for Modern India**

Venue: Seminar Hall I, II & III - Kamaladevi Complex

Themes: **Solid Earth, Ocean Sciences, Atmospheric Sciences & Polar Science.**

### **Program:**

**12<sup>th</sup> to 13<sup>th</sup> January 2023**

(10:00 am to 6:00 pm)

Panel Discussion (Five themes)

**12<sup>th</sup> January 2023**

(10:00 am to 12:30 pm)

**Panel I - Panellists**

#### **Emerging Areas in Solid Earth**

Prof. Talat Ahmad, Ex. VC, Kashmir Univ.- Chairman  
Dr. Prakash Kumar, Director, NGRI  
Dr. Kalchand Sain, WIHG, Dehradun  
Dr. O.P.Mishra, Director, NCS  
Dr. Sumar Chopra, DG ISR, Gujarat

**12<sup>th</sup> January 2023**

(2:00 pm to 04:30 pm)

**Panel II - Panellists**

#### **Ocean Services, Technology & Blue Economy**

Dr. Shailesh Nayak, Director, NIAS- Chairman  
Dr. G.A. Ramadass, Director, NIOT  
Dr. Srinivas Kumar.T, Director, INCOIS  
Dr. G.V.M.Gupta, Director, CMLRE  
Dr. Pravakar Mishra, Sci-G, NCCR

**12<sup>th</sup> January 2023**

(5:00 pm to 06:30 pm)

**Panel III - Panellists**

#### **Emerging trends in Earth Sciences**

Dr. M. Ravichandran, Secretary, MoES- Chairman  
Dr. Shaliesh Nayak, Director, NIAS  
Dr. Talat Ahmad, Former VC, KU  
Dr. K.J. Ramesh, Former DG, IMD  
Dr. Rasik Ravindra, Former Director, NCPOR

**13<sup>th</sup> January 2023**

(10:00 pm to 12:30 pm)

**Panel IV - Panellists**

#### **Weather and Climate Research & Services**

Dr. K.J.Ramesh, Ex DG, IMD - Chairman  
Dr. M. Mohapatra, DG, IMD  
Dr. R. Krishnan, Director, IITM  
Dr. Pradeep Thapliyal, Sci-G, SAC-ISRO  
Dr. V.S. Prasad, Sci-G, NCMRWF

**13<sup>th</sup> January 2023**

(02:00 pm to 04:30 pm)

**Panel V - Panellists**

#### **Exploring Polar Science**

Dr. Rashik Ravindra, Ex. Director, NCPOR- Chairman  
Dr. Sulgana Chattopadhyay, Editor-in-Chief, G&Y  
Dr. Rahul Mohan, Sci-F, NCPOR  
Dr. K.P. Krishnan, Sci-F, NCPOR

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