



**A consolidated report of the events organized by INCOIS in connection with an Outreach Program of 9th IISF-2023, and on the occasion of 19th Year of 2004 Indian Ocean Tsunami and Silver Jubilee Celebrations of INCOIS**

**Date: 26 December 2023 (10:00-17:00 hrs)**

**Venue: Indian National Centre for Ocean Information Services (INCOIS), Ministry of Earth Sciences, Hyderabad**

In connection with an Outreach Program of 9th IISF-2023 and on the occasion of the 19th year of Indian Ocean Tsunami, the Indian National Centre for Ocean Information Services (INCOIS), Ministry of Earth Sciences, Hyderabad opened its doors to the public, hosting an Open Day that drew a diverse crowd of over 600 visitors.

The Indian Ocean Tsunami, one of the strongest in the world and the deadliest of all time by an order of magnitude, occurred on December 26, 2004. Driven by this national calamity, the Government of India decided to put in place an Early Warning System for mitigation of such oceanogenic disasters. Indian National Center for Ocean Information Services (INCOIS), Hyderabad was given the responsibility to coordinate the entire project and make it operational. The Indian Tsunami Early Warning System comprises a real-time network of seismic stations, Bottom Pressure Recorders (BPR), tide gauges and 24 X 7 operational tsunami warning centre to detect tsunamigenic earthquakes and to monitor tsunamis and to provide timely advisories to vulnerable community by means of latest communication methods with back-end support of scenario database, vulnerability modeling and Decision Support System. The events were focused on raising awareness among students, general public and different stake holders.

The programme was broadly divided into two sessions. The Session-1(10:00-15:00 hrs) was focused on visit of School/College students and General public to INCOIS facilities and labs

while Session-2 (15:00-17:00 hrs) was allocated for a scientific talk by an eminent scientist attended by INCOIS scientists, researchers, training participants and staff.

## Pre-event Activities

INCOIS released a press note in the local newspaper about open house events and invites school/college students to participate in large numbers for making it successful. A leaflet/programme agenda was also circulated in all social sites/media channels of INCOIS. These posts were also shared/tagged with IISF, Vibha and other websites for wider visibility.

Telangana Today

# INCOIS open house programme today

**CITY BUREAU**  
Hyderabad

**O**n the occasion of the upcoming India International Science Festival (IISF), being celebrated from January 17, 2024, and its silver jubilee celebrations, the Hyderabad-based Indian National Centre for Ocean Information Services (INCOIS) is organising a one-day open house programme from 10 am to 3 pm at its campus on Tuesday, December 26.

The open house initiative will be open for general public and for school/college students followed by a popular scientific talk to be delivered by INCOIS scientists for training participants and research scholars.

INCOIS is also organising scientific talks to be delivered by senior scientists on Tuesday between 3 pm and 5 pm on 'Utilisation of GNSS data for Earthquakes and Tsunamis' by Dr Vineet K Gahalaut, Chief Scientist, NGRI, and a presentation to spread awareness about IISF 2023 by Prantkaryakarta from VIBHA.

The INCOIS has been providing ocean information and advisory services to society, industry, government agencies, and the scientific community in India and neighbouring countries through sustained ocean observations and constant improvements through systematic and focused research.

The centre has latest scientific techniques to provide early warnings of an impending tsunami in the Indian Ocean region and has functioned flawlessly since its establishment in October 2007. ITEWC also provides tsunami services to 25 Indian Ocean countries as a tsunami services provider.

26/12/2023 | Hyderabad | Page : 03  
Source : <https://enaper.telanganatoday.com/>

## Event Highlights

### Session-1: Visit of School/College Students and General Public

The Open Day kicked off with an introductory session on INCOIS Services followed by a visit to the Indian Tsunami Early Warning Centre at INCOIS. Around 500 students from various schools and colleges, and around 150 general public visited INCOIS and learned how tsunami and ocean advisories are helpful to coastal communities. The visitors were then taken on a tour to Auditorium (shown INCOIS movies and IISF activities) Tsunami Early Warning Centre and Operational Ocean Services Lab, to provide them an opportunity to explore the world of oceanography, seen the one the best tsunami warning centre in the world, learn about INCOIS

cutting-edge research, and understand the vital role of oceans in daily lives. During the Open Day, visitors had a chance to engage with the scientists and researchers at INCOIS.

The Open Day helped the visitors to understand in detail about the advanced tools used by INCOIS in generating Tsunami Early Warning and other ocean services. The students were fascinated to see the variety of techniques and instruments used for studying the ocean and the services provided by INCOIS for the coastal communities.

**Q&A Sessions:** To encourage dialogue and address queries, INCOIS organised Q&A sessions where attendees could interact directly with scientists and researchers. This helped break the barrier between the scientific community and the public.

**Visitor List:** 450 students (the list of schools/colleges given in below table) from different schools/colleges based in Hyderabad & over 150 general public visited INCOIS during the open house programme. A few selective photographs of this event are also enclosed.

<b>Institute</b>	<b>Class</b>	<b>No. of students</b>
Quantum Leap School	8, 9, 10	100
Bapuji High School	8	50
Reyan High School	7, 8, 9	50
The Hyderabad Millennium School	8, 9, 10	50
DMR International School	7, 8, 9, 10	50
VNR-VJIET, Hyderabad	B.Tech.	150





## Session 2: Scientific Talk by Eminent scientist &

In continuation, a scientific talk was also organized on the 'Utilization of GNSS (Global Navigation Satellite System) data for earthquakes and Tsunamis'. Dr. Vineet K. Gahalaut, Chief Scientist at CSIR-National Geophysical Research Institute, Hyderabad & and former Director of National Centre for Seismology (NCS), delivered an enlightening presentation during the event. Dr. Kunal Chakraborty, Scientist, delivered opening remarks and briefly provided an overview of the events, and Dr. T. Srinivasa Kumar, Director of INCOIS, delivered the welcome address, emphasizing the significance of INCOIS's tsunami early warning systems and services. Dr. Gahalaut's explained about the earthquake cycle, based on inter seismic, co-seismic and post seismic deformation. The talk delved into the critical role of GNSS data in understanding and monitoring seismic activities and tsunamis. He emphasized the importance of leveraging advanced technologies for early detection and preparedness, shedding light on how GNSS data can provide valuable insights into the dynamics of earthquake occurrences and subsequent tsunami threats.





**Presentation to spread awareness about IISF 2023 by Dr. S.S.C. Shenoi, National Vice-President of Vijnana Bharati (VIBHA) & Former Director, INCOIS**

To spread awareness about the India International Science Festival (IISF), Dr. S.S.C. Shenoi, Former Director, INCOIS and National Vice-President of Vijnana Bharati (VIBHA) delivered a talk. During this virtual talk, Dr. Shenoi delivered a brief overview of the upcoming IISF 2023 event and encouraged the active participation of MoES and related institutions in the program. The India International Science Festival (IISF) is a collaborative endeavour between Ministry of Science and Technology, Ministry of Earth Sciences, Department of Space and Department of Atomic Energy in partnership with Vijnana Bharati - a science movement spearheaded by scientists of the nation with swadeshi spirit. IISF's primary objective is to commemorate the world of science, making it accessible to all. The essential notion is to engage the general populace with science in an enjoyable and entertaining manner, thereby contributing to health, prosperity and meaningful life. By means of its inventive programs and initiatives, IISF extends opportunities for people and scientific community, both within the country and internationally, to come together, collaborate and partake in the gratification of advancing scientific pursuits towards betterment of India and humanity. Dr. B Ajay Kumar, Scientist, INCOIS conveyed the

vote of thanks for the event. Director, INCOIS congratulated and appreciated the INCOIS team and Vijnana Bharati (VIBHA) for successful conduct of this programme.



### **Feedback and Improvements**

Overall, this event was a resounding success. However, the participants were asked to provide feedback for potential improvements. It was suggested to increase the total duration of event and

to conduct various competitions (Drawing/Painting, Extempore and Science Exhibition/model making competitions) among school students to create awareness about IISF activities and provided a platform for participants to showcase their skills and gain knowledge on the importance of science on their day-to-day activities.

### **Post event Activities**

INCOIS released a press note in the local newspaper about the detailed events. All the photographs and relevant documents were shared with IISF, Vibha, NIScPR for sharing in social media. INCOIS also shared the successful conduct of this event through all social sites/media channels of INCOIS. These posts were also shared/tagged with IISF, Vibha and other websites for wider visibility. A detailed event report was prepared and submitted to IISF for further process. All the photographs and relevant reports/documents were archived at the Knowledge Resource Centre, INCOIS for future use.

### **Media coverage of the post event**

## **INCOIS ‘Open Day’ held**

### **The Hindu Bureau**

HYDERABAD

Indian National Centre for Ocean Information Services (INCOIS) observed an ‘open’ house program in connection with the 19th anniversary of 2004 Indian Ocean Tsunami and also as part of outreach activities of the 9th India International Science Festival, and

INCOIS silver jubilee with around 500 school and college students visiting the campus to learn about tsunamis and ocean advisories helpful to coastal communities on Tuesday.

National Geophysical Research Institute chief scientist Vineet Kumar Galaut and INCOIS ex-director S.S. C. Shenoi interacted with students.

# సాక్షి

## ఘనంగా ఇన్కాయిస్ సిల్వర్ జూబ్లీ వేడుకలు



### ఇన్కాయిస్లో సముద్ర అలలు, సునామీ తదితర విషయాలపై విద్యార్థులకు అవగాహన కల్పిస్తున్న అధికారులు

నిజాంపేట్: హిందూ మహాసముద్ర సునామీ 19వ వార్షికోత్సవం, 9వ భారత అంతర్జాతీయ సైన్స్ ఫెస్టివల్ (113ఎఫ్) ఔట్రిచ్ కార్యకలాపాలు, ఇన్కాయిస్ సిల్వర్ జూబ్లీ వేడుకలను పురస్కరించుకొని మంగళవారం ఓపెన్ హౌజ్ కార్యక్రమాన్ని నిర్వహించారు. ఈ సందర్భంగా వివిధ పాఠశాలల, కళాశాలల నుంచి సుమారు 500 మంది విద్యార్థులు, 150 మంది వరకు సాధారణ ప్రజలను ఇన్కాయిస్ను సందర్శించారు. సునామీ, సముద్ర సలహాలు, సూచనలు తీరప్రాంత ప్రజలకు ఏ విధంగా ఉపయోగపడతాయో ప్రత్యక్షంగా చూసి తెలుసుకున్నారు. సందర్భకులకు ఆడిటోరియంలో చలనచిత్రాలు, ఐఐఎస్ఎఫ్ కార్యకలాపాలు చూపించారు.

◆ అదే విధంగా సునామీ ముందస్తు హెచ్చరిక కేంద్రం, ఆపరేషన్ ఓషన్ సర్వీసెస్ ల్యాబ్ను సైతం విద్యార్థులు సందర్శించారు. దీంతో విద్యార్థులు రోజువారీ జీవితంలో మహాసముద్రాల కీలక పాత్రను అర్థం చేసుకున్నారు. ఈ ఓపెన్ డే సందర్భంగా విద్యార్థులు, సందర్భకులకు ఇన్కాయిస్లోని శాస్త్ర వేత్తలు, పరిశోధకులతో నిమగ్నమయ్యే అవకాశం లభించింది.

◆ అనంతరం నేషనల్ జియోఫిజికల్ రీసెర్చ్ ఇన్స్టిట్యూట్ భీష్, సైటిస్ట్ నేషనల్ సెంటర్ ఫర్ సీస్మాలజీ మాజీ డైరెక్టర్ డాక్టర్ వినీతకుమార్ గెహ్లాట్, విజ్ఞాన భారతి (విభా) వైస్ ప్రెసిడెంట్ డా. ఎస్ఎస్సి షెనోయ్, ఇన్కాయిస్ మాజీ డైరెక్టర్ ఐఐఎస్ఎఫ్ 2023పై అవగాహన మాట్లాడుతూ.. విద్యార్థులకు, సందర్భకులకు అవగాహన కల్పించారు.

## ఇన్కాయిస్లో ఓపెన్ హౌజ్..

దుండిగల్,డిసెంబర్26: కుత్బుల్లాపూర్ నియోజకవర్గం, నిజాం పేట్ మున్సిపల్ కార్పొరేషన్ పరిధి, ప్రగతినిగర్ సమీపంలోని భారతజాతీయ మహాసముద్ర సమాచార సేవాకేంద్రం(ఇన్కాయిస్)లో మంగళవారం జరిగిన ఓపెన్ హౌజ్కు విద్యార్థుల నుంచి మంచి స్పందన లభించింది. నగరంలోని వివిధ పాఠశాలలు, కళాశాలకు చెందిన సుమారు 500 మంది విద్యార్థులతో పాటు 150 మంది సాధారణ పౌరులు ఇన్కాయిస్లోని సునామి హెచ్చరికల కేంద్రాన్ని సందర్శించారు.

బుధవారం డిసెంబరు 27, 2023

### 'ఇన్కాయిస్'ను సందర్శించిన విద్యార్థులు

నిజాంపేట: ప్రగతినిగర్లోని ఇండియన్ నేషనల్ సెంటర్ ఫర్ ఓషన్ ఇన్ఫర్మేషన్ సెంటర్ (ఇన్కాయిస్) 25వ వార్షికోత్సవం సందర్భంగా మంగళవారం 'ఓపెన్ డే' కార్యక్రమం నిర్వహించారు. పాఠశాలలు, కళాశాలలకు చెందిన విద్యార్థులతోపాటు సాధారణ ప్రజలు కేంద్రాన్ని సందర్శించారు. కేంద్రం పనితీరు, పరిశోధన అంశాలు తదితర వాటిని శాస్త్రవేత్తలు సందర్శకులకు వివరించారు. ఎన్జీఆర్ఐఐ చీఫ్ శాస్త్రవేత్త వినీత్ కుమార్ గోహలాట్, విజ్ఞాన భారతి ఉపాధ్యక్షుడు డాక్టర్ ఎస్సెస్సీ ఇన్కాయిస్ మాజీ డైరెక్టర్ షెనాయ్ పాల్గొన్నారు.



పరిశోధన అంశాలను వివరిస్తున్న శాస్త్రవేత్త

*Flyer of the Outreach Event*

The flyer features a header with several logos: Ministry of Earth Sciences, Azadi Ka Amrit Mahotsav, INCOIS, a globe icon, India International Science Festival 2023, Labna, and the Indian Ocean Region logo. Below the logos, the text reads "OUTREACH PROGRAM" and "VISIT US" with a QR code. The main text lists three events: "9<sup>TH</sup> YEAR OF INDIA INTERNATIONAL SCIENCE FESTIVAL", "19<sup>TH</sup> YEAR OF 2004 INDIAN OCEAN TSUNAMI", and "25<sup>TH</sup> YEAR OF INCOIS FOUNDATION". The central focus is "OPEN DAY" on "26 DECEMBER, 2023" from "10 AM - 5 PM" at the "INDIAN NATIONAL CENTRE FOR OCEAN INFORMATION SERVICES (INCOIS), MINISTRY OF EARTH SCIENCES, GOVT. OF INDIA, 'OCEAN VALLEY', PRAGATHI NAGAR, HYDERABAD, TELANGANA - 500090". An illustration of a buoy with a yellow top and a red float is shown on the right. The bottom of the flyer features a stylized blue and white wave graphic and the contact information "Contact us : outreach@incois.gov.in".

**OUTREACH PROGRAM**

VISIT US

9<sup>TH</sup> YEAR OF  
INDIA INTERNATIONAL SCIENCE FESTIVAL

19<sup>TH</sup> YEAR OF  
2004 INDIAN OCEAN TSUNAMI

25<sup>TH</sup> YEAR OF  
INCOIS FOUNDATION

**OPEN DAY**

26 DECEMBER, 2023  
10 AM - 5 PM

INDIAN NATIONAL CENTRE FOR OCEAN INFORMATION SERVICES (INCOIS)  
MINISTRY OF EARTH SCIENCES, GOVT. OF INDIA,  
"OCEAN VALLEY", PRAGATHI NAGAR,  
HYDERABAD, TELANGANA - 500090

Contact us : [outreach@incois.gov.in](mailto:outreach@incois.gov.in)

*Banner of the Outreach Event*

**भारतीय विज्ञान संस्थान**  
भारत  
MINISTRY OF EARTH SCIENCES  
INDIA

75  
AZADI Ka  
Amrit Mahotsav

**INCOIS**

**INDIA INTERNATIONAL SCIENCE FESTIVAL 2023**

**Libha**  
LIBRARY

2021  
2030  
United Nations Decade  
of Ocean Science  
for Sustainable Development

Decade Collaborative Centre  
Indian Ocean Region

**OUTREACH PROGRAM**

VISIT US

**9<sup>TH</sup> YEAR OF INDIA INTERNATIONAL SCIENCE FESTIVAL**

**19<sup>TH</sup> YEAR OF 2004 INDIAN OCEAN TSUNAMI**

**25<sup>TH</sup> YEAR OF INCOIS FOUNDATION**

**OPEN DAY**  
26 DECEMBER, 2023  
10 AM - 5 PM

INDIAN NATIONAL CENTRE FOR OCEAN INFORMATION SERVICES (INCOIS)  
MINISTRY OF EARTH SCIENCES, GOVT. OF INDIA,  
"OCEAN VALLEY", PRAGATHI NAGAR,  
HYDERABAD, TELANGANA - 500090

Contact us : [outreach@incois.gov.in](mailto:outreach@incois.gov.in)

Programme Schedule of the Outreach Event

**9<sup>TH</sup> YEAR OF INDIA INTERNATIONAL SCIENCE FESTIVAL**

**19<sup>TH</sup> YEAR OF 2004 INDIAN OCEAN TSUNAMI**

**25<sup>TH</sup> YEAR OF INCOIS FOUNDATION**

**OUTREACH PROGRAM**

**PROGRAMS**

- 10:00 – 15:00 hrs INCOIS Open house programme.
- 15:00 – 15:05 hrs Inauguration and Opening Remarks.
- 15:05 – 15:20 hrs Welcome address by **Dr. T. Srinivasa Kumar**, Director, INCOIS.
- 15:20 – 16:00 hrs Talk on "**Utilisation of GNSS data for Earthquakes and Tsunamis**" by **Dr. Vineet K. Gahalaut**, F.N.A., F.A.Sc.
- 16:00 – 16:40 hrs Presentation to spread awareness about IISF 2023 by **Dr. S.S.C. Shenoi**, National Vice President, Vijnana Bharati.
- 16:40 – 16:50 hrs Closing Remarks and Vote of Thanks.
- 16:50 – 17:00 hrs High Tea.

INDIAN NATIONAL CENTRE FOR OCEAN INFORMATION SERVICES (INCOIS)  
MINISTRY OF EARTH SCIENCES, GOVT. OF INDIA,  
"OCEAN VALLEY", PRAGATHI NAGAR,  
HYDERABAD, TELANGANA - 500090

Contact us : [outreach@incois.gov.in](mailto:outreach@incois.gov.in)