

UDA

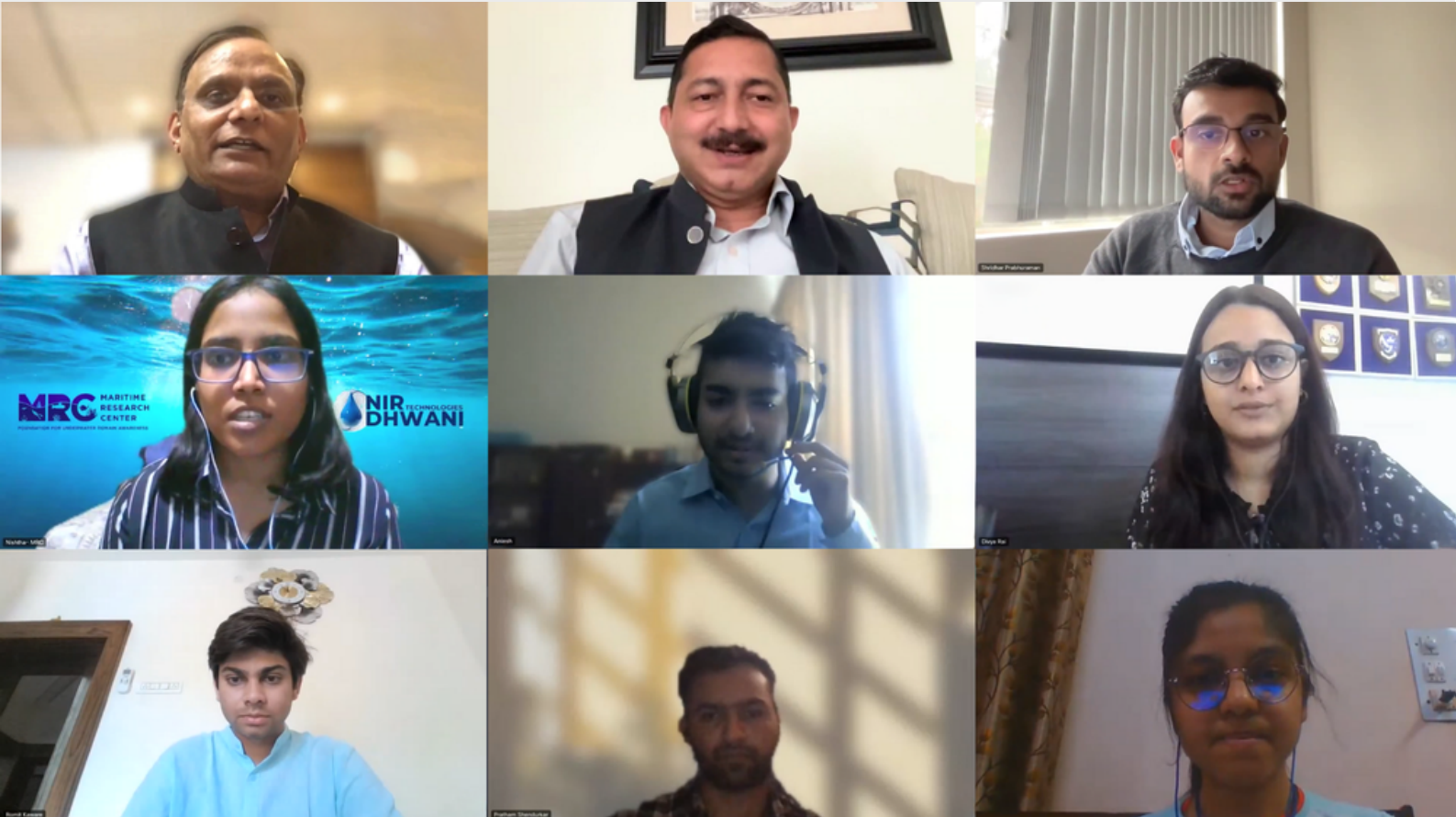
UNDERWATER DOMAIN AWARENESS

HOME

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UDA

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Glimpse from the **WORLD OCEANS DAY WEBINAR - 8TH JUNE 2023**

Underwater Domain Awareness Quarterly Update | Quarter Two (Apr/May/June) 2023

2nd Quarter at a Glance

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Webinar

40+

Esteemed Speakers

500+

Participants

2 Lac+

Social Media Reach

10

UDA Digest Articles

200+

Internship Applications Received



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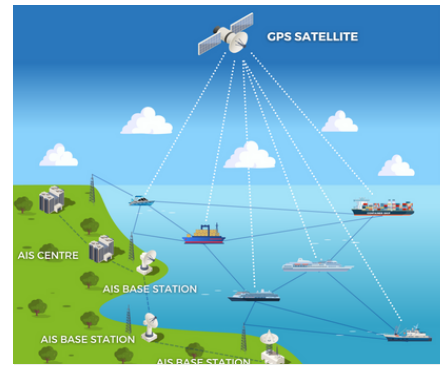


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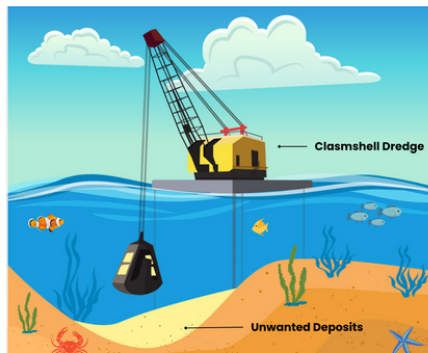
WEBINAR CELEBRATING
WORLD OCEANS DAY

Thursday 08 June 2023 | 1100 hrs

ESTEEMED GUESTS: DR. (CDR) ARNAB DAS, MS. RADHIKA SESHAN, DR. (CDR) ANIL K. SHARMA, DR. (CDR) ANIL K. SHARMA, DR. (CDR) ANIL K. SHARMA, DR. (CDR) ANIL K. SHARMA

HOSTS: MS. RADHIKA SESHAN, DR. (CDR) ANIL K. SHARMA, DR. (CDR) ANIL K. SHARMA, DR. (CDR) ANIL K. SHARMA

PRESENTATION BY MRC FELLOWS: DR. (CDR) ANIL K. SHARMA, DR. (CDR) ANIL K. SHARMA, DR. (CDR) ANIL K. SHARMA, DR. (CDR) ANIL K. SHARMA

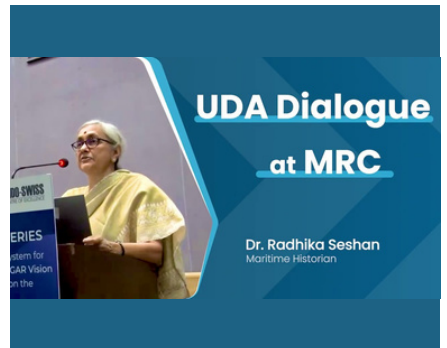


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GET IN TOUCH WITH US

The Maritime Research Center (MRC), Pune is a not-for-profit, Section 8 company registered with the Registrar of Companies (RoC), as Foundation for Underwater Domain Awareness.

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UDA*
The conventional approach of each of the stakeholders pursuing their own UDA* efforts has serious limitations given the highly resource intensive field experimental research initiatives required for a long period. Click here for more

MRC UPDATES/ IMPORTANT INTERACTIONS

We are in the process of delivering 10 E-learning modules to the Capacity Building Commission of India (CBC). These modules talk about the 'Basics of the Underwater World'. MRC has collaborated with CBC and is acting as a knowledge partner to them for their Mission Karmayogi.



Our Founder & Director Dr. (Cdr) Arnab Das delivered a captivating presentation during O's second Foundation Day on March 31, 2023. He discussed the important connection between the arts and sciences, emphasizing the need for multidisciplinary collaboration.

WATCH THE VIDEO

Introductory meeting with Dr Abhilasha Joshi, Additional Secretary, Development Partnership Administration, MEA on holding a virtual workshop on UDA under the ITEC program – 27 April 2023



Ministry of External Affairs India
Government of India

MRC UPDATES/ IMPORTANT INTERACTIONS



High Commission of India
Victoria, Seychelles

Preliminary meeting with the High Commission of India in Seychelles - 02 June 2023

The High Commissioner gave his in-principle approval to host a virtual workshop by the MRC to sensitize the stakeholder.

Meeting between Dr (Cdr) Arnab Das, director, MRC and the KAS representative Dr Adrian Haack on future collaborations - 13 June 2023



High Commission of India
Male, Maldives

Introductory meeting with the High Commission of India in Maldives to discuss various ways of collaboration and sensitising the stakeholders on the importance of UDA in the face of climate change - 25 June 2023



Discover the fascinating world of Underwater Domain Awareness (UDA) through our captivating photoessay! UDA goes beyond military defense, providing crucial insights into the earth's undersea geophysical activities, sustainable commercial activities, and conservation initiatives.

[VIEW THE PHOTOESSAY](#)

**Khwahish Vig**

SSLA, Pune

Discerning the importance of biosphere reserves: A case study of Sindhudurg

**Akshay Bhivagade**

IIT Kharagpur

Impact of Climate Change on Ocean Acidification and Its Effects on Marine Organisms

**Mohd Athar Ansari**

IIT Kharagpur

Machine learning based estimation of nutrient concentration for Brahmaputra river

**Kothinti Sai Balaji**

IIT Kharagpur

Digital Tool and APY analysis of Carp Farming

**Akshay Mondal**

IIT Kharagpur

Ambient Noise Mapping

**Shendurkar Pratham**

IIT Kharagpur

AUV Design and Development for climate change monitoring

**Arijit Biswas**

IIT Kharagpur

AUV Design and Development for sea Bed Imaging using sonar

**Sneha Sahu**

IIT Delhi

Impact of water quality change on aquaculture

**Somya**

IIT Delhi

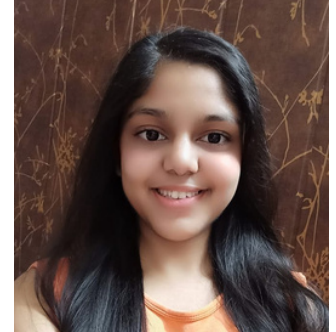
APY Analysis of Shrimp & Seaweed Farming

**Chirag Khare**

IIT Delhi

Multiparameter Sensor
based Water Quality
Monitoring**Rishikesh Nanaware**

IIT Delhi

Performance Evaluation of
Commonly Used Detection
Algorithms in Passive Sonar**Akshita Mangal**

IIT Delhi

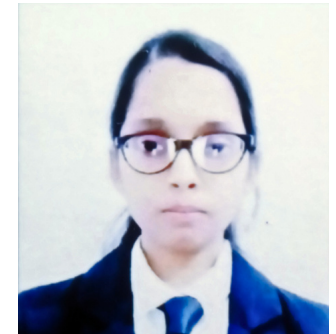
Ambient Noise Mapping

**Aman Bansal**

IIT Roorkee

Collision Avoidance &
Navigation System using
AIS**Radhika Agarwal**

IIT Roorkee

Economic Impact of climate
change on
Seaweeds/Shrimp farming**Vanshita Sharma**

IIT Guwahati

Groundwater Management
in Brahmaputra basin**Kethavath Kumar Naik**

IIT Guwahati

Climate Change Impact in
the Indian Ocean Region**Meenatchi G**

IIT Guwahati

Urban flooding and
mitigation management
aspect**Divya Rai**

MRC Fellow

MRC Fellow
Geopolitics and
International Relations



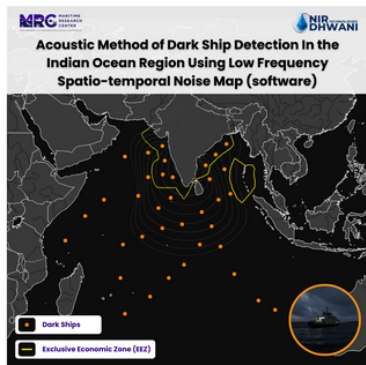
A Machine Learning Model For Estimating Shipping Noise In India Ocean Region

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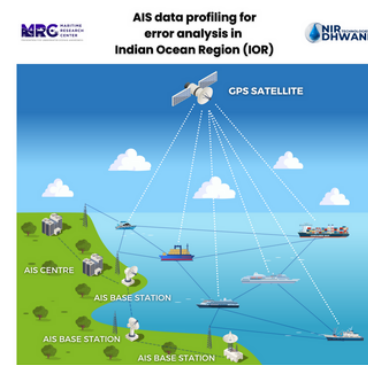
Underwater Search And Recovery In Its Present Level Of Technology

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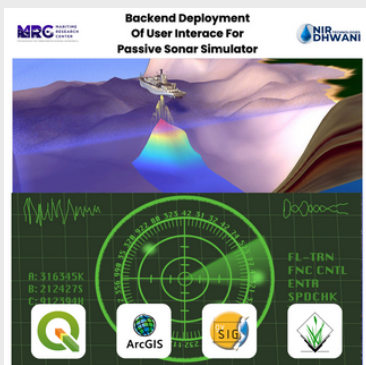
Acoustic Method of Dark Ship Detection In the Indian Ocean Region Using LOW Frequency Spatio-temporal Noise Map (software)

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AIS data profiling for error analysis in Indian Ocean Region (IOR)

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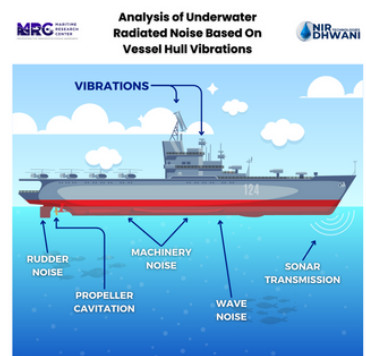
Backend Deployment Of User Interace For passive Sonar Simulator

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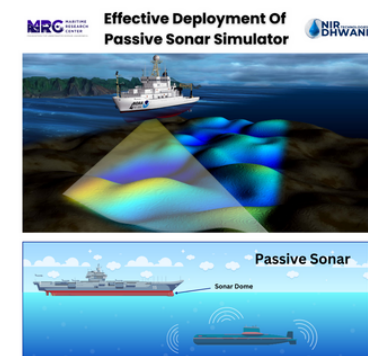
AUV Design And Development To Validate Low Ambient Frquency Noise

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Analysis of Underwater Radiated Noise Based on Vessel Hull Vibrations

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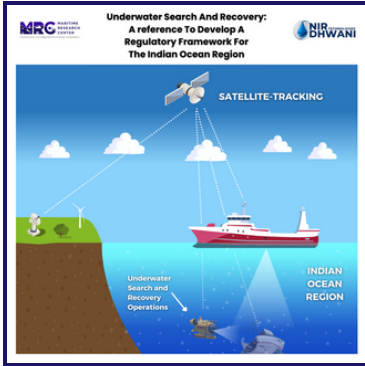


Effective Deployment Of Passive Sonar Simulator

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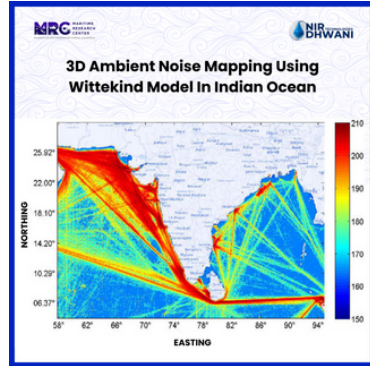
03

UDA RESEARCH ARCHIVES



Underwater Search And Recovery: A reference To Develop A Regulatory Framework For The Indian Ocean Region

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3D Ambient Noise Mapping Using Wittekind Model In Indian Ocean

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04

WEBINAR

The banner is blue and white with the text 'WEBINAR CELEBRATING WORLD OCEANS DAY' in large white letters. Below it, it says 'Thursday 08 June 2023 | 1100 hrs'. The MRC and NIR DHWANI logos are in the top right. The banner is divided into three sections: 'ESTEEMED GUESTS', 'HOSTS', and 'PRESENTATION BY MRC FELLOWS'. Each section contains circular portraits of the participants with their names and titles below them.

ESTEEMED GUESTS	HOSTS	PRESENTATION BY MRC FELLOWS		
 AMB ANUP K MUDGAL Blue Economy Task Force at PICCI, Chair	 MR. SHRIDHAR PRABHURAMAN MRC Deputy Director	 J. CATHERINE Full-Time Fellow	 SHLOK NEMANI IIT Bombay	
 DR (CDR) ARNAB DAS Founder & Director MRC, Pune	 MS. NISHTHA VISHWAKARMA Communications and Advocacy Lead, MRC	 RISHIKA KHANNA IIT Delhi	 ROMIT KAWRE IIT Delhi	 SANSKAR SONI IIT Delhi

Webinar Celebrating World Oceans Day 08 June 2023

[CLICK HERE TO WATCH THE WEBINAR](#)

[CLICK HERE TO READ THE WEBINAR REPORT](#)



"Balancing Profits with the Planet" in the Perspective of Expansion of Aquaculture

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Maritime History & Traditional Knowledge

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Managing Underwater Radiated Noise in the Marine Environment using Marine Spatial Planning

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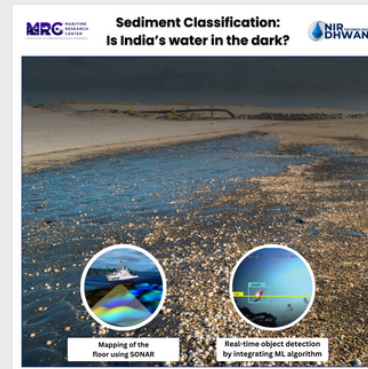
Dredging under Sustainable Blue Economy

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Misallocation of Groundwater Resources & its management through UDA

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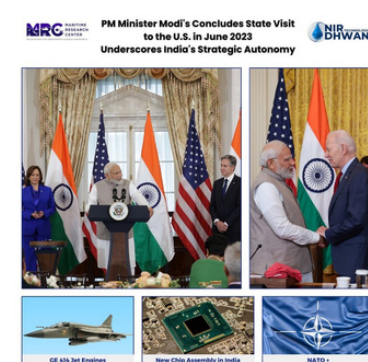
Sediment Classification: Is India's water in the dark?

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The Future of the Indus Water Treaty: Review of Indus Waters Treaty through Socio-political, Environmental, and Technical lens

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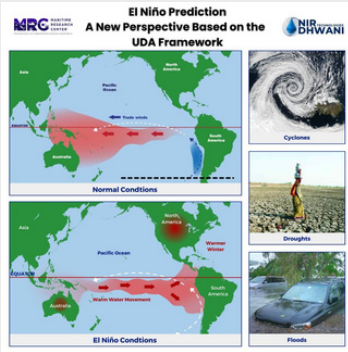


PM Minister Modi Concludes State Visit to the US. in June 2023 Underscores India's Strategic Autonomy

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UDA DIGEST



El Niño Prediction – A New Perspective Based on the Underwater Domain Awareness (UDA) Framework

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"Riding the waves of Prosperity": Aquaculture transforming people's Lives

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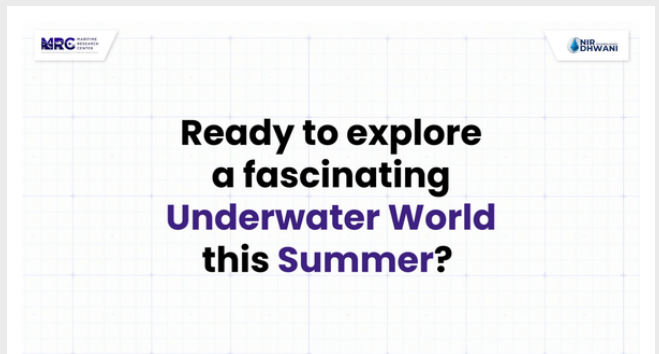
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MRC VIDEOS



Dr. Radhika Seshan
UDA Dialogue at MRC

[WATCH](#)



Underwater Domain Awareness (UDA) Summer School 2023

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Contact Information

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UDA*

The conventional approach of each of the stakeholders pursuing their own UDA* efforts has serious limitations given the highly resource intensive field experimental research initiative required for a long period. [Click here for more](#)

Support MRC Initiatives



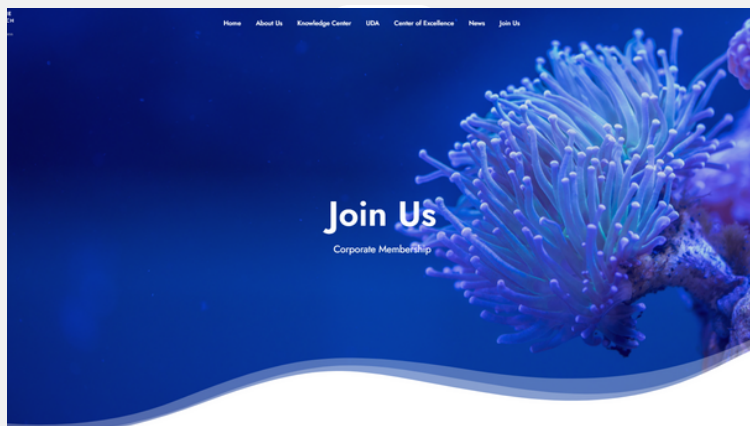
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Checkout our Digital Brochure



Digital Brochure

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Individual & Corporate Membership