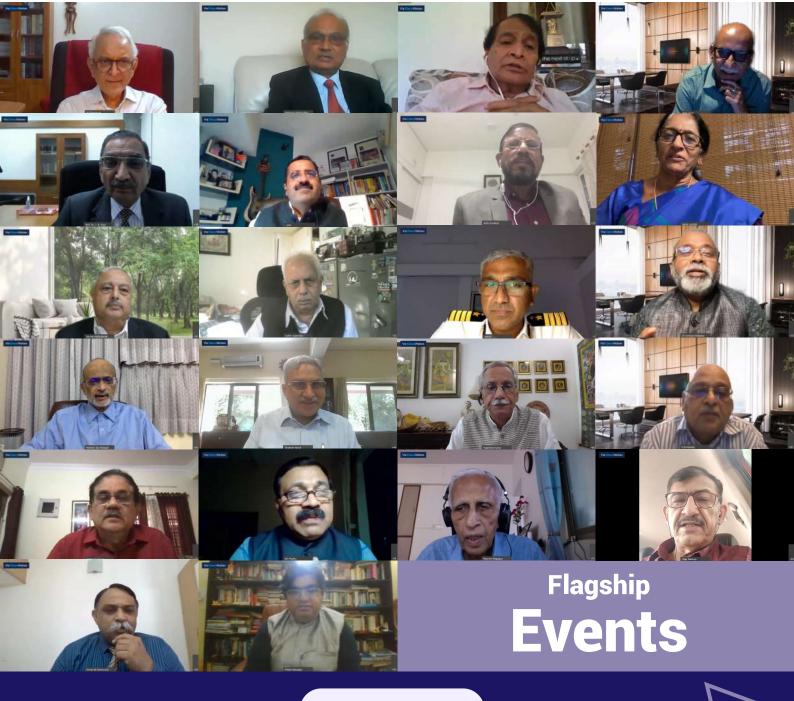


UNDERWATER DOMAIN AWARENESS (UDA) QUARTERLY UPDATE

Come, Take a Tour of the last Quarter of Year 2021, With Us!

OUNDATION FOR UNDERWATER DOMAIN AWARENESS



Read More

Important Interactions

1) Our Founder and Director, Dr (Cdr) Arnab Das met His Excellency Mr. Milinda Moragoda, High Commissioner of Sri Lanka to India. Dr Das briefed His Excellency on the Underwater Domain Awareness (UDA) Framework and it's importance for the Indo-Sri Lanka relationship.





2) MRC had the opportunity to brief the Honourable Minister Shri G Kishan Reddy. Secretary Shri Inderjit Singh Ji for the Ministry of Development of North Eastern Region (DoNER) was also present. The Honourable Minister took a lot of interest in the Underwater Domain Awareness (UDA) Framework in reference to the Brahmaputra River and assured all support.

3) On the occasion of Navy Day, MRC Founder & Director Dr (Cdr) Arnab Das was invited on Rajya Sabha TV, with distinguished panelists Vice Admiral Raman Puri and Anchor Mr. Maroof Raza.

*Click here!



5) Interaction with Dr. Ashok Khosla, Former President, IUCN.





4) Our Founder and Director, Dr (Cdr) Arnab Das met Cmde Amit Rastogi (Retd), Chairman and Managing Director (CMD) National Research and Development Corporation (NRDC) and briefed him on the Underwater Domain Awareness (UDA) framework.



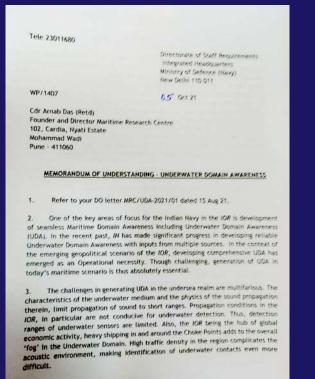
6) Interaction with Dr. Romila Thapar, Professor of Ancient History, Emerita, JNU.

MRC Updates



MRC has submitted the Interim Report on 'National Capacity & Capability Building Policy for Realising Effective Underwater Domain Awareness (UDA)' using a 'Whole of Nation' Approach to bring all the stakeholders together. NITI Aayog CEO Shri Amitabh Kant accepted our report personally and appreciated our continued efforts in progressing the UDA framework.

MRC is well placed to contribute to the SAGAR vision of the **Honourable Prime Minister**





MRC is engaging with Indian Navy to build on a sustainable UDA framework

डॉ० जितेन्द्र सिंह ाज्य मंदी स्वतंत्र इपरा), तिरान पर्य प्रेथितिक मंत्रालक राज्य मंत्री (स्वतंत्र इपरा) पुष्ठी विज्ञान मंश्रालय, राज्य मंत्री बार्वार्ग्त, लोक जिल्लायल एवं पेतन भंजलब, राज्य मंत्री बार्वार्ग्त, लोक जिल्लायल एवं पेतन भंजलब, राज्य मंत्री वार्वार्ग्त, क्रांति विधान तब्ध राज्य मंत्री वांतरित विधान



D.O. No. 42-6 MOSINCHISETEESIND -Dr. JITENDRA SINGH Dr., JTEENDEA SINGH Miniser of Stine (dependen Chrege) of de Ministry of Sciences and Technology, Minister of State (independen) Chrage Minister of State in de Ministry of Farth Sciences, Minister of State in the Ministry of Fernonel, Public Gevenes and Persionse. Minister of State in the Department of Sciences Minister of State in the Department of Sciences Government of India

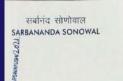
E 8 167 1771

Respected Shri Suresh Prabhu Ji,

Please refer to your D.O. letter bearing number UDA-2021/01 dated 10.08.2021 addressed to the Union Minister for Environment, Forest and Climate Change apprising him of Underwater Domain Awareness (UDA) framework for safe, secure and sustainable growth model for all in the Indian Ocean Region and beyond.

You may be aware that Ministry of Earth Sciences (MoES) is in process formulating the Blue Economy Policy for India. "Security, strategic ension, and international engagement" is one of the thematic areas of the Economy Policy and it seems that UDA framework is similar to this matic area.

In this context, it is inform that MoES is primarily engaged with the Coastal and Deep Sea Mining and offshore energy segment of the Blue Economy. However, National Institute of Ocean Technology (NIOT), Chennai,



With regards,

Ministry of Defence (Navy) New Delhi 110011

मंत्री पतन, पोत्त परिवहन और जलमार्ग एवं आयुप

भारत प्रारंत रारकार भारत रारकार Minister Ports, Shipping & Waterways and AYUSH Government of India

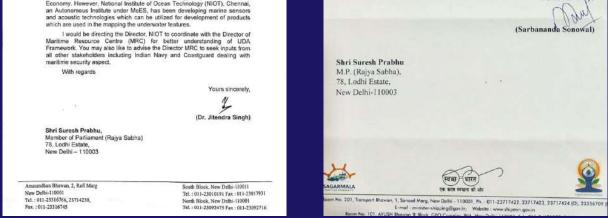
18th August, 2021

D Restected Suresh Brathy Ji,

1 am in receipt of your letter No. UDA-2021/01 dated 10.08.2021 regarding a new Perspective based on the Underwater Domain Awareness (UDA) Framework.

I am having the matter looked into.

Yours sincerely,



MRC is engaging with MoES and Shipping Ministry to build on a sustainable **UDA framework**

| path <u>finder</u> | Dr. (Cdr) Arnab Das | Formulating a Indo-Pacific |
|--|---|--|
| 27* November 2021 | | |
| Dr (Cdr. Amab Des | | Strategy |
| Director, Martime Research Carler, | | |
| Pune Maharashta | | The Maritime Research Centre is keen |
| Indu | | play a major role in this critical nation regional initiative. |
| Deer Dr Das, | | |
| Groatings from the Pathfinder Foundation. | | With the global community seeing India in the very differently, we have no choice but to acce |
| The Pathfinder Foundation, established in 2003, is a Colombu based thirk/tank working primarily on security. | | of being a global leader in helping the country to co China's growing influence in the Indian Ocean Region |
| HIRD STrategic Eccuse, | | a responsibility that Prime Minister Narendra Modi has |
| In pursuit of preneting historical relations with links, the Foundation established a Carsto Ro Indo Lawia Instantis in 2015, Needed b Astrinal System Characeagu, Theme Chemmerole of the Ski Lanka Away, The Control is connertly headed by Mr A. A. Jawad, tomic Anatoseagu and Aectional Secterary of Kinistry of Foreign Atlass. | | indication of shouldering, starting from way back in |
| Coan mitted matters have been or use of interest to the Frankform in prosts of our objectives, we have conducted waves request orderwesse locating on the low of the frankform the state concentrated on issues widing to the excurpt of the history been, and in pravat of the discubic, encoded the history Coan decards Conference in 2023. Currently, we are painting for the vecced conference on the indeal Decard Security Conference in 2023. | | |
| We exertly care to know from our High Commissioner in India, the Founder of the Patrincio Foundation, that your installation is mension if noninvert instantino Comman natiate which is furned. The of the tooga areas of the obtain Oncom Scoretty (Proteiner - 352 of a Marine Domain Assemble). The other thoo main themes of discussion would be development of an (Prove recently and theorem for the other Domain of the development of Confedera & Balling Maarine. | Dr. (Cdr) Arnab Das, a retired Indian Navy | |
| Against this backulop it is our openion that the Foundation sculd ongoge is joint work realising to the MRC's mere of interest. Further, depending on the need, we are conferent that we could stagged support of the Winstry of Fension Atlanse, Ministry of Defence, the Coast Clauset, the Marcine Environment Protection Asthony etc., to explay in an discussion as to how we could wint together, through webinam site: | Commander, is a researcher, maritime strategist and | |
| With this in mand, the Foundation looks forward to a discussion that would result in establishing a formal relationship between our two institutions that would be mutually isereficiel to both inalfadions. | entrepreneur. He is the Founder-Director of | |
| With kind regards, | the Maritime Research | A COLORADO AND A COLORADO ANDO AND A COLORADO ANDO ANDO ANDO ANDO ANDO ANDO ANDO A |
| Sinceway | Centre (MRC) that is | and the second s |
| Morepaus | working on Underwater | Martin Contractor |
| Bemant Goonetileke | Domain Awareness | |
| Chairman Pathfinder Foundation | (UDA). | |
| | | all the |
| Penhlinker Frankfaller (Applantiss) New CA (80) Stephenski, 2006 (Specified Read) - Verprode, (1104) Stephenski, (104) Stephenski, 2006 (Specified Read) - Stephenski, Stephen | | |
| | | |

MRC was invited by a Colombo based think-thank, founded by the High Commissioner of Sri Lanka in India, to collaborate on maritime security and strategic issues

Dr.(Cdr) Arnab Das, Founder and **Director of MRC featured in the** latest issue of the Prestigious Corporate Tycoons, for contribution in formulating critical inputs for the Indo-Pacific Strategy

MRC Internship and Fellowship



Harshit Agarwal IIT Bombay



Hastyn Doshi **IIT Bombay**



Kriti Chaturvedi **IIT Bombay**

Atul Kumar

IIT Roorkee



Sarthak Raj **IIT Bombay**



Barnik Goswami IIT Roorkee



Shlok Nemani IIT Bombay



Khushie Shah Ness Wadi college of commerce, pune



Aditya Gupta IIT Roorkee



IIT Roorkee



Tanvi Asolkar Monash University, Malaysisa



Ananya Mailk MRC Research Associate, Brahmaputra





Shri Suresh Prabhu

"India has a huge coastline, the government, research institutes and various stakeholders need to come together to integrate their resources to improve our coastline management as without healthy oceans, life cannot be sustained on our planet."

Shri PM Heblikar

"There are a lot of areas where UDA proves to be essential and institutions like MRC plays an important role in creating a platform for the dialogue to combine strengths of different stakeholders to collaborate on technology and higher impact delivery."

Shri Alok Joshi

"The capacity to collect information and to analyze it in a meaningful way lies with the central agencies but at the same time the understanding of the local coastal communities, their problems, the aspirations and the way forward for effective mobilization lies with the state authorities. Therefore, any institutional framework set up will need to address the need to merge these two current structures with Indian Navy where coastal security is concern."

Shri Madhav Das Nalapat

"We need to empower young professional and invest in technology by dissemination the information and generating a strong data-driven knowledge base."



Research and Publications



3D Shipping Radiated Noise Mapping



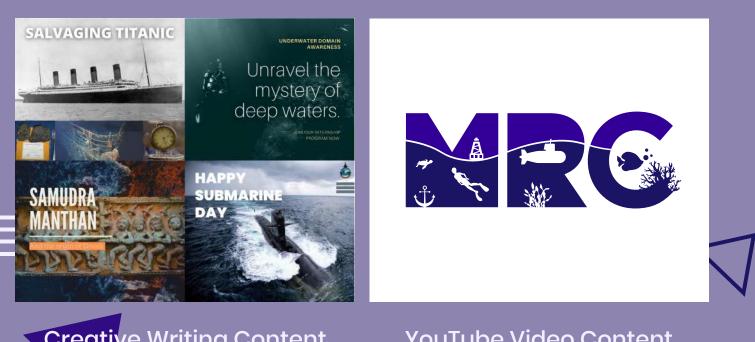
Acoustic method of dark ship detection in the Indian Ocean Region using low frequency spatio-temporal noise map (software)



Acoustic method of Dark Ship Detection in the Indian Ocean Region(IOR) using low frequency Spatio temporal noise mapping



Media and Communication



Creative Writing Content

YouTube Video Content



Check out our Individual Membership



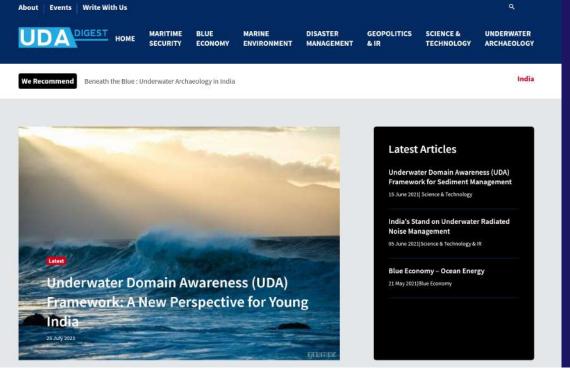
Check out our Corporate Membership





UDA Digest



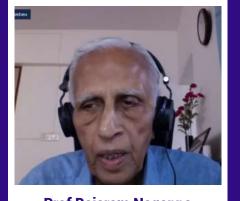


UDA Digest Videos



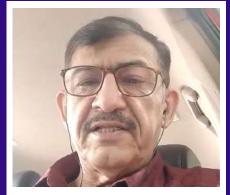
Amb.Yogendra Kumar Why challenges of Blue Economy and Maritime Security, are two sides of the same coin

Watch



Prof Rajaram Nagappa Relevance of Underwater Domain Awareness in the global context, and its various stakeholders

Watch



Dr. Vijay Sakhuja Importance of mapping the Sea-bed and collecting Sea-bed data

Watch



Dr Shailesh Nayak Variety of wealth that lies in our oceans and how we can make the most of it

Watch

 \triangleleft



Amb Gurjit Singh Improving UDA Technology and our role in IOR

Watch



Dr Atmanand M A Instrumental role of underwater domain, blue economy and sustainability

Watch

Get in Touch with Us







