



WORLD HYDROGRAPHY DAY IN INDONESIA

To support WHD 2020 "Hydrography - enabling autonomous technologies", Indonesia Naval Hydrographic and Oceanographic Office (Pushidrosal) has conducted several events and activities.

Due to the pandemic of covid-19 this year, the annual commemoration of World Hydrography Day in Pushidrosal was postponed in a short while, yet the high enthusiasm of society upon the celebration is still on the horizon.

With several adaptability, Pushidrosal has finally conducted numerous events to celebrate the World Hydrography Day 2020 on September 2020 with people from different walks of life across the globe. Regarding its main topic Hydrography - Enabling Autonomous Technologies, Pushidrosal expected these series of events to contribute in improving public awareness and policy, determining the importance of maritime development in society. Several pictures below explain the summary of the events.

Therefore, we are very happy if the documentations of our events could be share to IHO and international hydrography communities at IHO WHD 2020 webpage.

The documentations are as below:

- **Text and pictures**
- **“Video1” of Autonomous Technologies short video** at link:
<https://youtu.be/InHdp4TUzal>
- **“Video2” of International Web Seminar Recorded** at link
https://youtu.be/mwT_WAZzBPY
- **“Video3” of Greetings from Hydrography Communities** at link:
<https://youtu.be/XwvMRkGCOzM>



PUSHIDROSAL, INDONESIA - WORLD HYDROGRAPHY DAY 2020

World Hydrography Day 2020 of Pushidrosal was celebrated by conducting a series of events and activities. The focus of this year's celebration is that hydrography plays an important role in supporting autonomous technologies. In the development of autonomous technologies and digital transformation era, Pushidrosal as an Indonesian National Hydrographic Office is continuously improving the role in achieving safety of navigation, defence as well as national maritime interest and economy through hydrography.

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SDB Day Webinar - The Utilization of Satellite Derived Bathymetry (SDB) for National Concerns



**Pusat Hidrografi dan Oseanografi
TNI Angkatan Laut**

WORLD HIDROGRAPHY DAY 2020
"HYDROGRAPHY ENABLING AUTONOMOUS TECHNOLOGY"

SDB DAY WEBINAR

Rabu, 26 Agustus 2020
13.00 - 15.00 WIB

PEMANFAATAN SATELLITE DERIVED BATHYMETRY (SDB) UNTUK KEPENTINGAN NASIONAL

PEMBICARA

- **Kolonel Laut (E) Dr. Yanuar Handwiono, M.Sc.**
Direktur Pengamanan, Kerja sama dan Perbatasan, Pushidrosal
- **Ir. Dr.rer.nat. Poerbandono**
Dosen Hidrografi FITB-ITB, Bandung
- **Dr. Thomas Heege**
CEO EOMAP GmbH & Co K.G., Seefeld
- **Kolonel Laut (P) Oke Dwiyana, M.M.**
Kepala Dinas Pemetaan, Pushidrosal

KATA SAMBUTAN
Laksda TNI Dr. Ir. Harjo Susmoro, S.Sos., S.H., M.H.
Kepala Pusat Hidrografi dan Oseanografi TNI AL

HOST
Letkol Laut (KH) M. Qisthi Amarona, S.T., M.Tr. Hanla
Kasubdis Peta Navigasi Elektronik
Dispeta, Pushidrosal

MODERATOR
Gabriella Alodia, M.Sc (CAT-A)
Kandidat Doktor University of Leeds, United Kingdom
Category A Hydrographic Surveyor

Live on YouTube
 **Pushidrosal Channel**
Link Registrasi : bit.ly/sdbpushidrosal26
 **Nara Hubung : Rahmad 0813 1728 1358 (Whatsapp)**

Pushidrosal invited some experts to speak on this platform regarding the optimization of autonomous technologies through Satellite Derived Bathymetry (SDB) application. This webinar broadcasted on August 26th 2020 aimed to reach out to people in related fields of expertise to provide them information towards the availability and opportunity of utilizing SDB tech to support maritime development. The amount of enthusiastic participants of this webinar took to 400 joining via Zoom Apps and live streaming on Youtube.

Watch the SDB Day Webinar with this following link:
<https://youtu.be/6o79uKANBPQ>

International Webinar - Autonomous Technologies, Hydrographic Offices Challenges, and Opportunities



WORLD HYDROGRAPHY DAY INTERNATIONAL WEBINAR “HYDROGRAPHY - ENABLING AUTONOMOUS TECHNOLOGIES”

📅 SEPTEMBER 1st, 2020 ⌚ 13.00 (UTC + 07.00) WIB
Official Contact: whd@pushidrosal.id

“Hydrography is much more than just nautical chart, hydrography is the key of economic gate and the spearhead on national maritime defence.”

LIVE ON

 YouTube  zoom

KEYNOTE SPEAKER



RADM Luigi Sinapi
Director of IHO



Admiral Yudo Margono, S.E., M.M.
Chief of the Indonesian Navy

OPENING



RADM Dr. Harjo Susmoro
Chief Hydrographer

SPEAKER



Hans Christoffer Lauritzen
Director PRIMAR Norwegian Hydrographic Service



Trias Aditya, PhD
Associate Professor Geodetic Eng. UGM

HOST & CO-HOST



Capt. Dr. Yanuar Handwiono
Director of Int. Partnering Pushidrosal



Dr. rer. nat. Poerbandono
Associate Professor Geodetic Eng. ITB



Ole Kristensen
SW Manager at EIVA Maritime survey and construction solutions Denmark



Ir. Yudi Hendarto
Director of Explora Prima Survey Specialist

**EXCLUSIVE VIDEOS PERFORMANCES
E-CERTIFICATE | DOORPRIZE**

Attended by: IHO Member States, Regional Hydrographic Commissions (EAHC, NIOHC, SWPHC), Maritime Related Ministries and Agencies, and Hydrography Community.

Registration: [Bit.ly/Hydro-Autonomous](https://bit.ly/Hydro-Autonomous)



SCAN ME

 @pushidrosal  Pushidrosal  Pushidrosal Channel

This webinar was broadcasted internationally on September 1st 2020 where it was attended by invitees from many of IHO member states and Indonesian Institutions thus it was fully conducted in English. In this webinar, Pushidrosal invited some experienced experts with related fields of expertise to provide the information about the importance of autonomous technologies advancement in hydrography for maritime improvements. This webinar had reached 833 registered participants from 38 countries to join in the session via Zoom apps and live streaming on youtube

Rolls-Royce



Rear Admiral Dr Harjo Susmoro (Indonesian Chief Hydrographer) as a Keynote Speaker, with Captain Dr Yanuar Handwiyono (Director of International Partnering of Pusidrosal), and Prof. Dr.rer.nat. Poerbandono (Associate Professor of ITB) as moderators welcoming the international webinar invitees and participants.

Watch the International Webinar with this following link:
<https://youtu.be/Rvzo6qNtKbA>

National Webinar - Hydrography's Role in the provision of the Traffic Separation Scheme (TSS) from Maritime Defence and Economic Perspective

LIVE ON  YouTube  zoom

WEBINAR NASIONAL HARI HIDROGRAFI DUNIA

“PERAN HIDROGRAFI DALAM PENETAPAN
TRAFFIC SEPARATION SCHEME (TSS) DARI PERSPEKTIF
EKONOMI DAN PERTAHANAN MARITIM”

“Hydrography is much more than just nautical chart,
hydrography is the key of economic gate and
the spearhead on national maritime defence.”

Official Contact: whd@pushidrosal.id

KEYNOTE SPEAKER



Jenderal TNI (Purn)
Luhut Binsar Pandjaitan, MPA
Menteri Koordinator Bidang
Kemaritiman dan Investasi

SAMBUTAN



Laksamana TNI Yudo Margono, S.E., M.M.
Kepala Staf Angkatan Laut

NARASUMBER 1



Dr. Arief Havas Oegroseno
Dubes Luar Biasa dan Berkuasa
Penuh Republik Indonesia untuk
Republik Federal Jerman

NARASUMBER 2



Laksamana TNI (Purn) Prof. Dr. Marselio
Penasehat Ahli Kemenkomarves
bidang Hankam Maritim

HOST & CO-HOST



Kolonel Laut (E) Dr. Yanuar Handwiono
Dirpamkersamtas Pushidrosal



Zilvia Iskandar
Metro TV

NARASUMBER 3



R. Agus H. Purnomo
Dirjen Perhubungan
Laut Kemenhub

NARASUMBER 4



Laksda TNI Dr. Harjo Susmoro
Kepala Pushidrosal

PEMUTARAN VIDEO EKSLUSIF
E-CERTIFICATE | DOORPRIZE

 2 SEPTEMBER 2020  10.00 WIB

Registration: <https://bit.ly/TSS-Hydrography>



SCAN ME



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Traffic Separation Scheme (TSS) is used to improve the safety of ships routes located in the Sunda Strait and Lombok Strait. This is because the two straits have high traffic both for passenger and cargo ships. Since Indonesia has become the first archipelago country to set and claim TSS in its own region, Pushidrosal wanted to provide important information about TSS through this national webinar held on September 2nd 2020. Some speakers with related expertise were invited to speak on this platform about the significance of Traffic Separation Scheme in Indonesia. This webinar successfully attracted 563 registered participants across the country joining in Zoom Apps and live streaming on Youtube.



Pushidrosal and World Hydrography Day 2020 Committee preparing at the beginning of national webinar.

Watch the National Webinar with this following link:
<https://youtu.be/Xkvvt6-Ldlw>





World Hydrography Fun Day Events

With the intention to enliven the commemoration of the World Hydrography Day 2020 in Indonesia, Pushidrosal created a Fun Day event with a variety of activities including Cooking Competition for Pushidrosal's personnels, Fun Cycling day, Drone Competition and Scientific Papers Competition with the theme: Hydrography - Enabling Autonomous Technologies. The drone competition was held to trigger the willingness of the personnels to learn more about autonomous technologies as well as the skill of writing scientific papers for the hydrography advancement.

Cycling Day was conducted to accommodate the excitement of cycling in Indonesia as the consciousness of green living nowadays while cooking competition was carried out to provide the personnels families a platform to join in the commemoration of the World Hydrography Day 2020 in Pushidrosal. Since these all were held amid the pandemic of covid-19, the committee put a strict concern for the health protocol to prevent the possibility of the spreading of covid-19.



FUNDAY

Pushidrosal's Fun Day of World Hydrography Day 2020



Cooking Competition for Pushidrosal Personnel's Families

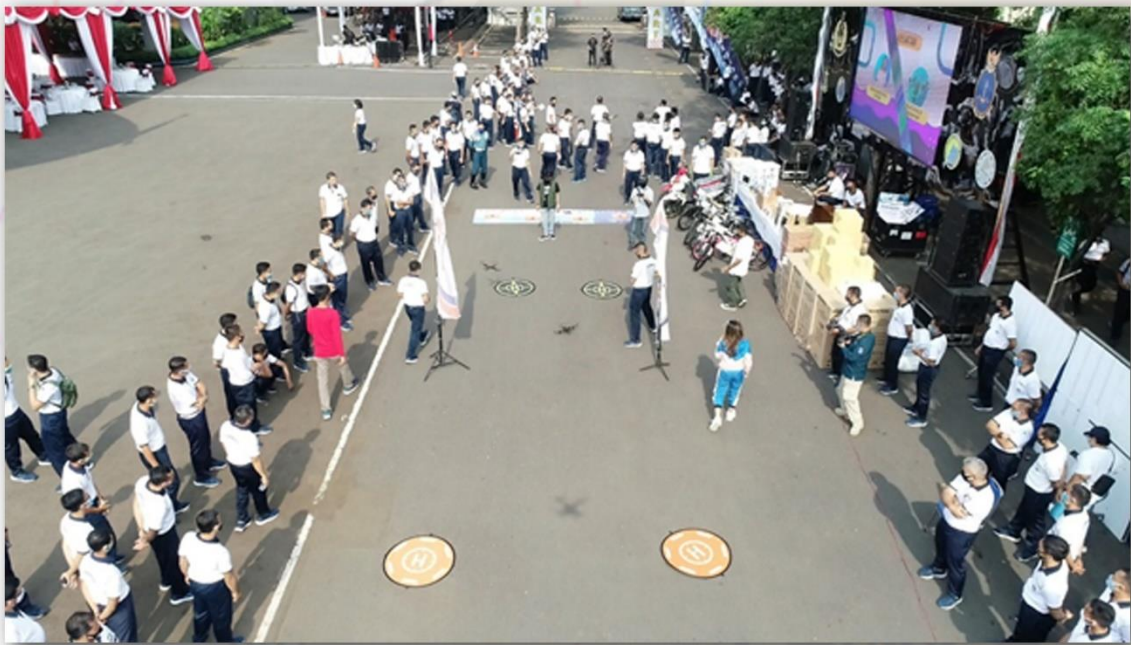


FUN DAY

Fun Cycling Day around Pushidrosal



Drone Competition Participants competing at Fun Day of World Hydrography Day 2020



FUNDAY

Scientific Paper Competition participants presenting in front of the panelists



Aside from those activities, Pushidrosal has created an inspirational video profile in a purpose of triggering a wide knowledge of global society towards hydrography and its prominence. The video aims to spread the impactful message of the importance of hydrography and get the public community to the point where the comprehension upon hydrography is crucial to prosper excellent maritime improvements.

Watch Pushidrosal's Inspiring Video Profile with this following link:

<https://youtu.be/InHdp4TUzaI>

This variety of events held by Pushidrosal to celebrate World Hydrography Day 2020 seems able to spread the important awareness of hydrography both in public and maritime decisions making. With the euphoria and enthusiasm of the broader community, it is expected to invite a lot more people from many different walks of life to develop our maritime sector through hydrography.

