

**News Release** 

## GLOFOULING WEBINAR: EFFECT OF BIOFOULING ON SHIP PERFORMANCE AND ENERGY EFFICIENCY

World Ocean Council Invites Participation in "Effect of Biofouling on Ship Performance and Energy Efficiency" Webinar, 22 July

9 July 2020

The World Ocean Council (WOC) – the lead GloFouling Project Partner for engaging the global ocean business and investment community – invites interested parties to the GloFouling webinar:

"Effect of Biofouling on Ship Performance and Energy Efficiency" Date: 22 July 2020 Time: 2:00 pm (BST) Registration: <u>https://www.glofouling.imo.org/webinar/10</u> The webinar is open to all participants without charge.

The webinars are part of the <u>GEF-UNDP-IMO GloFouling Partnerships Project</u> which is working to better understand and tackle the multi-sectoral challenge of biofouling and its impacts on marine biodiversity and the Sustainable Blue Economy.

Marine biofouling is an escalating problem from both economic and environmental points of view, in terms of increased fuel consumption, increased GHG emissions and transportation of harmful non-indigenous species. The fuel consumption of a ship is strongly influenced by its frictional resistance, which is directly affected by the roughness of the hull's surface, i.e. biofouling. Increased hull roughness leads to increased frictional resistance, causing higher fuel consumption and CO2 emissions. While it would be beneficial to accurately predict and quantify the effects of biofouling on energy efficiency, fuel consumption and CO2 emissions, it has been a challenge to relate fouling-control coatings and the effect of biofouling to full-scale ship resistance and powering.

For more information, visit https://www.glofouling.imo.org/webinars.

# Blue Economy by the Numbers #

Decrease in vessel speed due to biofouling: Up to 10% Increased fuel consumption resulting from biofouling: Up to 40% Estimated annual cost of biofouling to the shipping industry (2009): \$1 billion

Source: Vietti, P. 2009. "New Hull Coatings Cut Fuel Use, Protect Environment". Currents: Fall 2009, pages 36–38.

## **Recent and Upcoming WOC Outreach and Engagement**

30 June – 2 July, Online Meeting International Hydrographic Organization (IHO) Crowdsourced Bathymetry Working Group Meeting (Speaker)

6 July, Online Meeting G20 Workshop on Circular Carbon Economy "Remove – Nature Based Solutions (NbS)" (Speaker)

2-3 September, Online Summit Global Arctic Shipping Summit (Speaker)

World Ocean Council (WOC) – The Global Blue Economy Business Organization

The WOC is the international, cross-sectoral alliance for private sector leadership, collaboration and action on ocean sustainability, stewardship and science. Companies from a range of industries worldwide are distinguishing themselves as leaders in "Corporate Ocean Responsibility", including: shipping, oil and gas, tourism, fisheries, aquaculture, mining, renewable energy, ocean technology and investment.

WOC Members are listed <u>here</u>, a part of the WOC Network of 35,000+ ocean industry stakeholders around the world. The WOC is a registered not-for-profit organization in the US and France.

Contact email: info@oceancouncil.org Web: www.oceancouncil.org

To subscribe to future WOC News or to update your contact information, <u>click here</u>. To share this issue of WOC News with others (on Facebook, Twitter, etc), <u>click here</u>.

©2020 World Ocean Council | 3035 Hibiscus Drive, Suite 1 Honolulu, HI 96816 USA