GlobalHAB Webinar Series - Modelling and Prediction of Harmful Algal Blooms

We are delighted to announce that we will start an online series of open seminars and discussions starting in June 2021 to address the grand challenge of predicting harmful algal blooms. This monthly series will be delivered by six experts and the topics will cover size-based models, acclimation models, model validation, and machine learning etc. The participants will have the opportunity to share their local issues with the community, to interact with leading scientists in the field, and to learn state-of-art modelling techniques. We will also host a set of Slack channels to facilitate both online and offline discussions. This webinar series will serve as a precursor for a week-long, in-person GlobalHAB workshop (sponsored by EuroMarine, and US NOAA) that will take place in Glasgow, United Kingdom in the Spring of 2022.

Each webinar episode will run for 1 to 2 hours. The detailed schedule is listed below:

Date	Time	Speaker	Title
29 June 2021	9 am US Western = 12 pm US Eastern = 5 pm UK = 0 am China	Jim Cloern	Phytoplankton Community Variability: Some Rules and Rule Breakers
15 July 2021	9 am US Western = 12 pm US Eastern = 5 pm UK = 0 am China	Androniki Tamvakis	Using Machine Learning algorithms for HAB prediction
31 Aug 2021	5 am US Western = 8 am US Eastern = 1 pm UK = 8 pm China	Aletta Yniguez	Using the individual-based approach for HAB modelling: from HAB species to shellfish toxicity
21 Sep 2021	9 am US Western = 12 pm US Eastern = 5 pm UK = 0 am China	Onur Kerimoglu	Accounting for flexible phytoplankton physiology, and relevance to modelling HABs
20 Oct 2021	9 am US Western = 12 pm US Eastern = 5 pm UK = 0 am China	Michael Parsons	Modeling considerations for benthic HABs
16 Nov 2021	9 am US Western = 12 pm US Eastern = 5 pm UK = 0 am China	Rick Stumpf	Making Useful Models for Forecasting Harmful Algal Blooms

The webinar series is free and open to all, but a one-time pre-registration is required. For access to the webinar links and discussion forums, you will need to join the HAB Modelling and

Prediction slack site. For any enquiries, please contact Bingzhang Chen via Bingzhang.chen@strath.ac.uk.

Predicting harmful algal blooms requires multidisciplinary dialogue among physical scientists, biologists, computer modellers, and technologists, as well as community stakeholders and the government and industry end-users of prediction systems. We hope this online series will benefit all parties in the HAB community and lead to new in-person conversations and connections in Glasgow next spring.

The IOC-SCOR GlobalHAB online workshop committee