

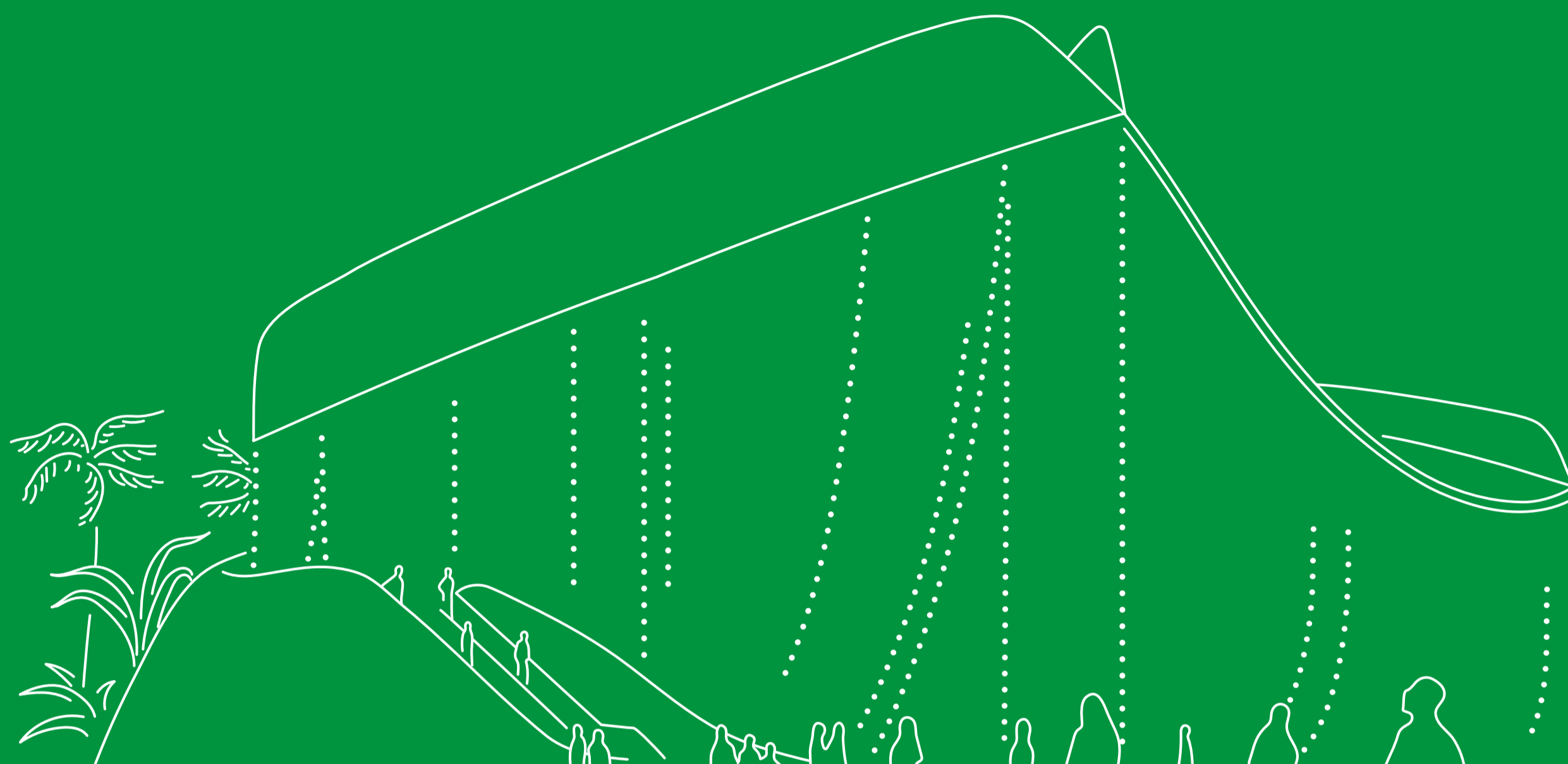


ITALIA  
LA BELLEZZA UNISCE LE PERSONE  
BEAUTY CONNECTS PEOPLE  
الجمال يجمع الناس



Co-  
Creation  
**LAB**

Partner of Italy Pavilion at Expo 2020 Dubai



## *DYNAMO:*

### **DISTRIBUTED LEISURE YACHT-CARRIED SENSOR-NETWORK FOR ATMOSPHERE AND MARINE DATA CROWDSOURCING APPLICATIONS**

**FEBRUARY 9th 2022**

*10.30 am - 6.30 pm Dubai time / 7.30 am - 3.30 pm CET*

Data crowdsourcing is an increasingly pervasive and lifestyle-changing technology due to the flywheel effect that results from the interaction between the Internet of Things and Cloud Computing. DYNAMO (Distributed leisure Yacht-carried sensor-Network for Atmosphere and Marine data crowdsourcing applications) defines and operationalizes an infrastructure devoted to collecting marine environmental data by leisure boats. DYNAMO leverages the still unexploited citizen science at the sea paradigm. It improves the operational meteorological and ocean forecasts by using crowdsourced data for training predictive algorithms based on Artificial Intelligence. In this training camp event, we present the FairWind++ open-source software development kit for embedded marine electronics applications. We show how to design and implement a FairWind App for the intelligent and sustainable tourist use of the coastal marine areas powered by different data sources obtained through crowdsourcing and perfectly integrated into an onboard ecosystem (marine electronics).

**Venue** **Accademia** - Italy Pavilion

**Language** English

Important COVID-19 Precautions for Entry: All attendees must show a valid COVID-19 PCR test taken within 72 hours to access the event.