

CALL FOR RESEARCH



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Extreme E and Enel Foundation are pleased to announce a pilot project for the year 2021. Scientific researchers will be given dedicated time, during transits between each Extreme E race location, in order to conduct research and outreach programs whilst onboard the ship; St. Helena. We encourage researchers to join us on this program by competitively applying for our newly designed open call.

We would like to see research projects and research groups that are well-constructed, diverse and inclusive. We encourage all researchers to have at least two applicants stated on their proposals; one of whom ideally is from one of the countries where an Extreme E race will be conducted.

All submitted research projects will be considered, however each submission needs to fulfil the following criteria to be in with a chance of being selected:

- ✖ Research project can be conducted during any leg of the St Helena's global voyage
- ✖ No or very minimal mobilisation requirements are necessary
- ✖ No or very minimal changes to voyage track and/or timing or schedule requirements are necessary (this includes projects that require the ship to stop or slow down for regular equipment deployment)

All research projects must fit within the theme of 'Racing for the planet' and have a focus on understanding climate change and/or consequences, adaptation and mitigation pathways of this phenomenon. Such research projects could be from a broad range of sciences, (e.g. atmospheric science, oceanographic or biology) and should have discrete ship-based activities (e.g. meteorological observations, water sampling or mammal observation) at the core of them.

About the ship

The St. Helena is 104m in length and was previously used by the Royal Mail. She has now been refitted for Extreme E's use.

In 2021 the ship will be transiting at approximately 10 knots within the Red Sea, Mediterranean Sea and North and South Atlantic. The ship track will be determined by the captain and there is no opportunity to change this for scientific purposes unless previously agreed prior to boarding.

Leg 1 will be from the UK to Saudi Arabia over February and March 2021. The other confirmed legs of the ship's voyage will be shared at Extreme E's Virtual Global Series Launch event on 27th October 2020. Please note, Extreme E has every intention of running to schedule but due to the uncertainty globally with regards to Covid-19, locations and exact dates will be subject to change; any changes potentially with little notice due to factors outside of the control of Extreme E.

IMPORTANT DATES IN 2020

OPENING CALL
October 20th
18:00 (BST)

CLOSING DEADLINE
November 27th
18:00 (BST)

QUESTIONS & CLARIFICATION REQUESTS
December 7-11th

NOTIFICATION
December 18th

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Scientist Responsibilities

- Obtain all permits required for science and specimen transportation prior to expedition
- Provide risk assessments of all proposed activities two months prior to boarding using template provided by Extreme E
- Write a non-technical summary about the work for the Extreme E webpage and send text and images for social media three times while at sea
- Send a list of any equipment or goods that could be considered 'dangerous cargo' to the Extreme E team for consideration at least eight weeks prior to boarding.
- Complete all paper work at least 14 days prior to boarding the ship
- Arrive in boarding location at least 24 hours before departure, more time may be required when mobilisation of equipment is necessary
- Leave the ship within 48 hours of arrival in final port, more time may be granted when mobilisation of equipment is necessary
- Provide a 'cruise report' that will detail methods, data collection and storage, as well as a narrative of activities before leaving the ship
- Write a report detailing progress after three months and a final report within 12 months
- In any related academic publications, the ship time should be acknowledged with specific description provided by Extreme E and Enel Foundation
- Share with Extreme E and Enel Foundation when outputs resulting from the voyage will be produced and work on press releases about them when requested
- You will NOT require any STCW certificates to be onboard
- You will need to comply with all medical fitness certification as deemed necessary by the ships management. This is likely to be a seafarers' medical certificate (e.g. ENG1) and proof of a negative COVID test no earlier than 48h before boarding.
- Obtain and maintain during the voyage period, adequate personal medical and travel insurance.
- Obtain and provide, as necessary, any valid personal identification, passport and/or travel visas.
- Consent, warrant and agree to comply with all medical fitness certification, health and safety regulations, and Covid-19 protocols as deemed necessary by the ship's management, Extreme E and/or applicable local government authority. This is to include, without limitation, the provision of a seafarers' medical certificate (e.g. ENG1) and valid proof of a negative Covid-19 test no earlier than 48 hours before boarding the ship and Worldwide business travel insurance (except USA) for period they are on board

Notes about the science on-board

All supported projects will mostly be conducted in the high seas unless a permit for national waters or work in a port has already been agreed prior to applying for ship time.

There may be multiple projects operating on the ship at any one time. A pre-cruise meeting is mandatory to ensure smooth running and intersection of projects.

Extreme E Responsibilities

- Provide a safe space aboard the St. Helena in order to conduct research in at least 21m²
- Provide storage of researchers own equipment
- Provide travel costs up to €1000 per person. Specific needs above this level will be considered
- Provide board and lodging for the duration of the research aboard the St. Helena
- Provide a science lab and some specific equipment: Chemical storage cabinet, fume hood, fridge-freezer for lab, freezer for storage -20, freezer for storage -80, Milli Q water maker, winkler oxygen titration kit, vacuum filtration system, binocular microscope, selected sieves, selected micropipettes, selected plastic and glass containers, data server, Computer and A4 Printer
- No further funding apart from that detailed above will be provided
- Promote the research that is being conducted and outputs that result

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Eligibility

- All science research project team members must be 18+ years of age
- Lead scientists of any research project must be, at a minimum, enrolled and participating in a recognised graduate science-related program (MSc or PhD)

Selection Criteria

Extreme E and Enel Foundation have a philosophy of diversity and equality. The research projects selected will reflect the range of applications, applicants and disciplines. Projects will be selected based on their ability to meet the following criteria across four areas, outputs, diversity and inclusivity, logistics and communications.

Outputs

- Be original and further the understanding of climate change or its consequences
- Be scientifically sound and demonstrate the active engagement of PI and collaborators
- Have additional outcomes that have under-represented groups as beneficiaries
- Be realistic given ship's capacity for data collection, time (maximum of 12 months post field work) and resources
- Provide evidence of past successful projects in the CVs and list of publications

Inclusivity & Diversity

- Align to Extreme E's goals of inclusivity, equality and in-knowledge production and sharing
- Detail the collaborative nature of the science research project team
- Have the primary or co-investigator(s) ideally originating from one of the countries where an Extreme E race is being conducted



Logistics

- Use the equipment already onboard or applicants should provide a clear mobilisation plan within their application form
- Accommodate and fit with the ship's fixed voyage schedule
- Should have a maximum of three (3) scientists on the ship or have a clear rationale for additional members

Communications

- Use clear written English language to explain the knowledge gap being addressed, methodology used, outcomes expected and consequences of these
- Have previous experience communicating science to others, ideally to a non-scientific audience.

PART OF THE TEAM

