



Coronavirus (COVID-19) Guidance for R/V *ANGARI* Vessel Operations (July 10, 2020)

During this unusual time, ANGARI Foundation remains committed to supporting marine science research by providing R/V *ANGARI* at minimal costs while protecting the health of all scientists and crew aboard. Thus, the following protocols have been implemented and will remain in place until further notice.

1. Embarkation/Disembarkation

As part of the passenger information packet, all personnel will be required to complete and sign a COVID-19 screening form and present a negative COVID-19 RT-PCR test taken within 10 days of embarkation (or less if required by government regulations). Prior to coming aboard, all personnel will have his/her temperature taken.

During travel to the vessel, risks should be managed and mitigated, including wearing a face covering/mask, practicing social distancing, and cleaning and disinfecting. Anyone exhibiting any COVID-19 symptoms, including but not limited to fever, dry cough and/or respiratory issues, should not travel and will not be allowed to board the vessel.

During an expedition, personnel may only embark at the beginning of an expedition and disembark at the conclusion of an expedition. Any personnel who disembark prior to the conclusion of the expedition may not return; this includes while at dock during an expedition. Only vital crew may disembark for docking and fueling, and they must wear a mask and follow hygienic procedures. No new personnel may embark once the expedition has begun. Only registered personnel will be allowed onboard; no guests.

Because a ship is a closed environment, after being at sea for 14 days or more, and if no persons show signs of illness, the vessel may be considered as free from COVID-19 and therefore safe.

2. Protective and Hygiene Measures Onboard

The vessel will undergo a high level of cleaning and disinfection measures before and after every expedition. Additionally, crew will maintain cleaning practices and routinely disinfect high use areas during expeditions.

All persons onboard will be provided with general information on COVID-19 and applicable standard health protection measures and precautions.



Human-to-human transmission of COVID-19 is understood to occur primarily through droplet spread. A person with COVID-19 coughs or sneezes, spreading droplets into the air and onto objects and surfaces in close proximity. Other people breathe in the droplets or touch the objects or surfaces and then touch their eyes, nose or mouth. Any person(s) who develops fever, cough or difficulty breathing must seek medical attention promptly.

All persons should take the following precautions to maintain good hand and respiratory hygiene while onboard:

- Frequently wash hands using soap and hot water for 20 seconds or alcohol-based hand sanitizer until completely dry
- Avoid touching the face, including mouth, nose and eyes, with unwashed hands
- Cover the nose and mouth with a disposable tissue when sneezing, coughing, wiping or blowing the nose, and dispose of the used tissue immediately into a waste bin, followed by handwashing
- If a tissue is not available, cover the nose and mouth and cough or sneeze into a flexed elbow
- Aim to keep at least 1 meter (3 feet) distance from other people when possible
- Avoid non-essential contact or close proximity with others
- Disinfect his/her own work areas, equipment and tools as appropriate after use
- Wash hands both before and after using the toilet, and place the toilet lid down before flushing
- Handle food carefully to avoid cross-contamination, consistent with good food safety practices
- Each person should use their own set of utensils; do not share serving utensils.
- Frequently sanitize touchpoints

3. Suspected Cases Onboard

All persons onboard are expected to monitor his/her own health throughout the expedition. Any person(s) displaying any of the following symptoms should be considered as a suspected case of COVID-19: fever, dry cough, tiredness, shortness of breath, aches and pains, sore throat, nausea, loss or change in taste/smell, runny nose, rash, diarrhea.

A suspected patient will be immediately isolated in his/her cabin and provided with a face mask to wear at all times. Contact with the patient will be limited to 1 person who will wear PPE, gloves, goggles and face mask. Patient will be regularly monitored and brought meals and medicine as needed until professional medical attention can be obtained, and the patient can be transferred to a medical facility.

Once the patient has disembarked, the vessel will undergo a high level of cleaning and disinfection measures.