

The "Mantamaran", a light, robust, portable and affordable sampler designed for altitudes lake microplastics sampling campaigns

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Lac Pavé - Parc National des Ecrins - 2 820 m



The electric motor and lithium-ion battery package were specifically designed for the project by SHEMATIC (www.shematic.ch)



- The "Mantamaran" is composed of:
- two inflatable kayaks
 - a metal structure
 - multiple sensors and GPS
 - a 50 µm mesh size net.

Four to five persons are required to carry the equipment (60 kg).



A logging device developed by HEPIA (www.hesge.ch/hepia) including GPS system and several sensors (flow counter, sonic sensor) guarantees high accuracy of the measurements



www.aqualti.org/plastilac

AQUALTI NGO remains at your disposal for any information and to carry out sampling in isolated environments

Funding:

Stakeholders and partners:

Other collaborators:

