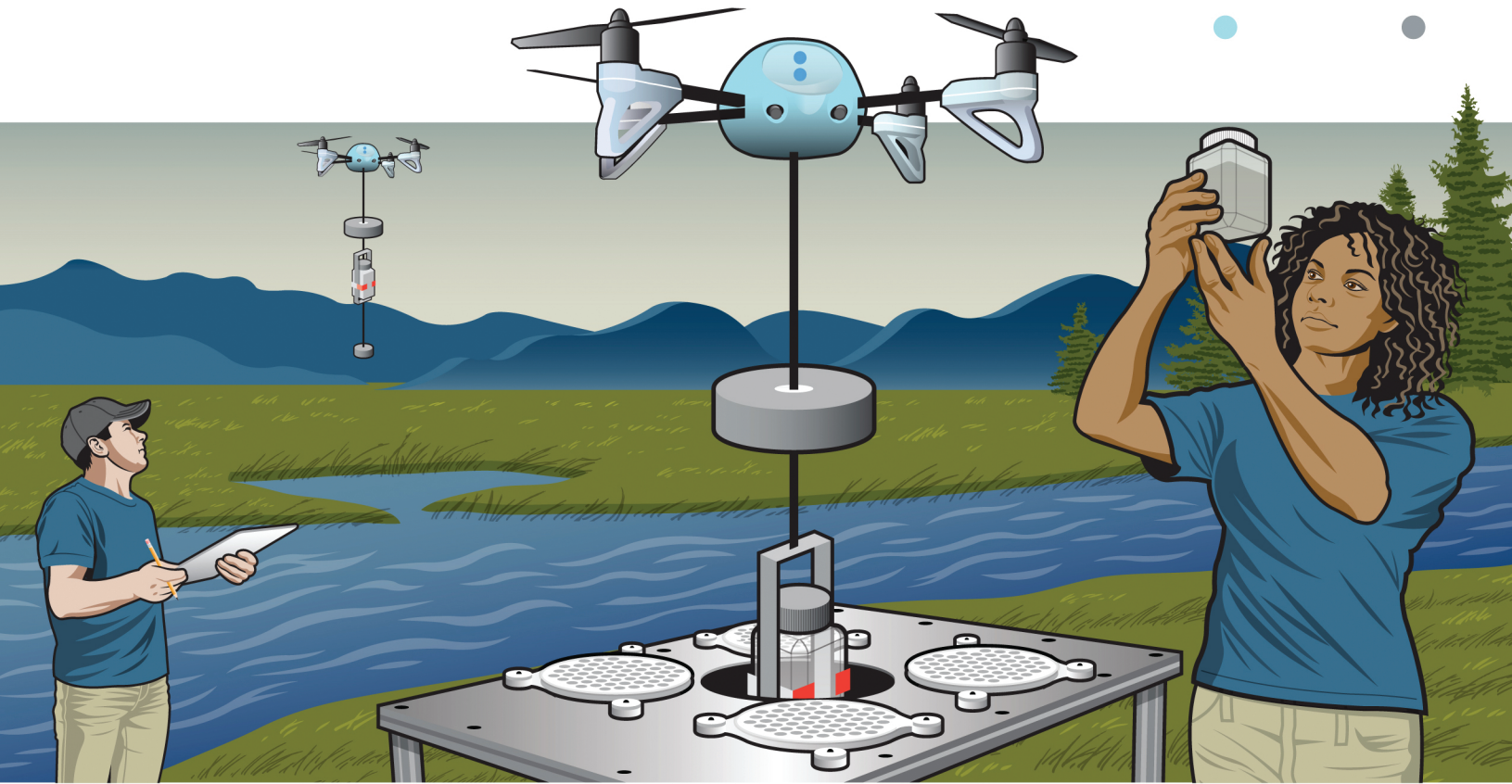


Water Sample Collection

Spiri



HARDWARE

- Spiri Mu
- Spiri Water Sampler

OVERVIEW

Periodic water testing provides crucial information in safeguarding the health of our fisheries, our communities, and our environment. However, many lake, river, and coastline areas still go untested.

We offer a solution for water sample collection. Autonomous teams of Spiri Mu carry Spiri Water Samplers to pre-planned locations. Aerial sampling alleviates access issues that limit the extent of water testing today. Our use of smart drones improves the precision and repeatability, and enables greater reach and frequency, for a water testing program.

Our solution aims to improve ecological and economic outcomes related to water resources. It is compatible with other Spiri environmental programs.

COORDINATION

Locations for water sample collection are chosen based on previous analysis, as well as emerging commercial and public safety needs. The Spiri Mu flock self-organizes on site to conduct the mission efficiently, without a need for human piloting.

CONSISTENCY

Our solution provides centimetre precision for both depth and lateral position. Sample depth and location are adjustable by the mission planner either in advance or at the scene. Such adjustments flow through the flock automatically.

EFFICIENCY

Compared to current practice, our solution retrieves samples more quickly, more safely, and at a lower cost. Moreover, it can serve areas that are remote or have been difficult to access up until now.



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