

VAISALA

Vaisala Quanterra Ecosystem Monitoring Service

Solution Spotlight



vaisala.com/quanterra

Measure carbon and water fluxes continuously to validate climate action outcomes

Climate action needs verifiable data to demonstrate impact. Whether you are developing nature-based solutions, managing carbon projects, or conducting ecosystem research, making confident decisions requires continuous, site-specific data rather than estimates or infrequent snapshots.

The Ecosystem Monitoring Service provides the trusted site-specific data you need to optimize climate actions and verify results. Using scientifically robust atmospheric monitoring, the service measures carbon, water, and energy flows every 30 minutes, giving you a complete picture of how your ecosystem responds to management practices and weather events.

For an affordable subscription fee, you can access this advanced measurement technology without the burden of hardware investment, installation challenges, maintenance, or data processing expertise.

The service deploys flux stations at your locations and delivers ready-to-use data to help you demonstrate impact to stakeholders, verify carbon removals, optimize land management strategies, and meet your climate goals with confidence.

Key benefits

Continuous site-specific monitoring captures real-time ecosystem responses to weather and management practices on an on-going basis.

Affordable as-a-service model makes atmospheric flux monitoring accessible without expensive equipment or specialized expertise.

Verifiable impact data demonstrates effectiveness of climate actions for carbon accounting, supply chain commitments and carbon credits.

Expert deployment and data processing deliver high-quality measurements you can trust.

Versatile application across farmland, grassland, forests, and peatland ecosystems, even in remote locations.

