OUR INNOVATIVE TECHNOLOGY

TRAQUA develops and produces its own compact and innovative in-situ measuring equipment.

The STREAM© fluorometer/turbidimeter allows a direct, high-resolution measurement of fluorescence, turbidity, and water temperature.

The small size and weight of the equipment enables a quick and easy installation in the field (natural sites, wells, pipelines, cave systems).

STREAM© fluorometers are autonomous and do not require an external datalogger or power source, which allows the equipment to be installed in almost any location.

TRAQUA's strength lies in the ability to rapidly deploy a vast monitoring network. This network makes it possible to respond quickly and precisely to a large number of flow issues.

We also offer our fluorometers for rent to experts and scientists in the domain of water quality and monitoring.

TECHNICAL SPECIFICATIONS	
Size	Ø 60 mm x 230 mm
Weight	1,25 Kg
Housing	Anodized aluminium, polycarbonate window
Depth rating	**- 1000 m (100 bar)**
Connection	USB (battery recharge) Wi-Fi (configuration, data transfer)
Autonomy (internal battery)	> 30.000 measurements ✓ 20 days at 1 measurement/minute ✓ 7 months 1 measurement/10 minutes
Internal data-logger	microSD
Timestep	1 – 60 minutes

PARAMETERS	
FLUORESCENT TRACERS	
Fluorescein	Resolution: 0.06-0.09 ppb Measuring range: 0- 3000 ppb
Other dyes	Sulforhodamine B, Amino-g acid
Turbidity	0.08 – 1000 NTU
Water temperature	Resolution: 0.06°C / -55°C to +125°C
Parameters on request	Dissolved organic matter, hydrocarbons
Suspended matter	0-10 grams/liter

DO YOU WISH ADVICE OR INFORMATION ON OUR PRODUCTS AND SERVICES? CONTACT OUR TEAM

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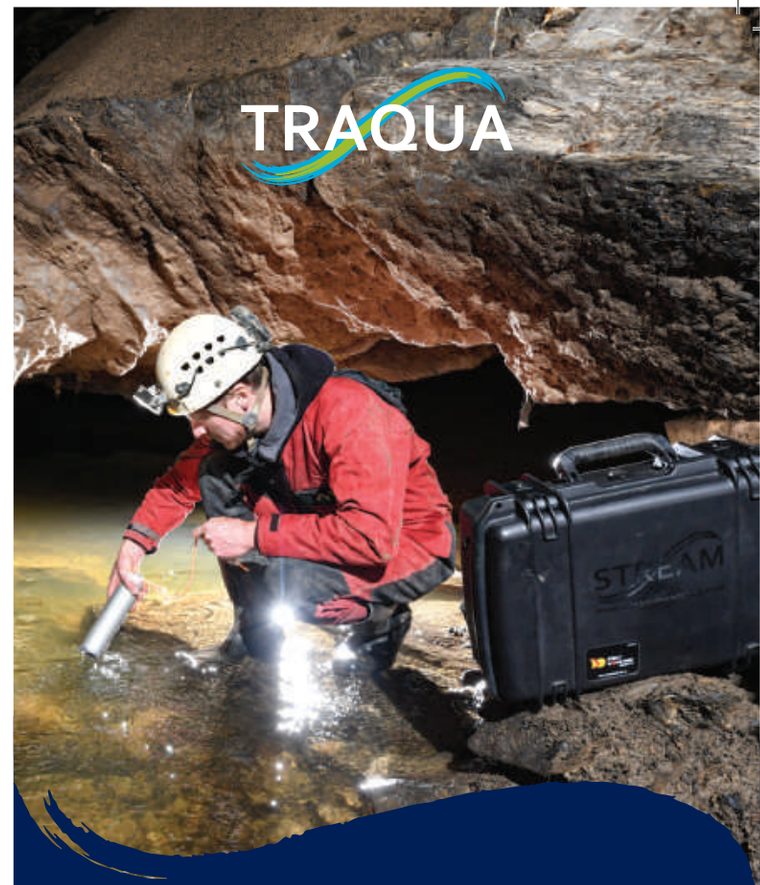

EXPERT IN HYDROLOGICAL AND HYDROGEOLOGICAL MONITORING

TRAQUA is specialized in techniques for water flow characterisation. We offer **innovative technological solutions** and customized expertise to hydrogeological or hydrological inquiries (analysis, diagnosis, monitoring)

- Dye tracing, water network diagnostics
- In-situ monitoring of water resources
- Hydrogeological expertise and consulting

PROTECTING WATER RESOURCES IS OUR PROFESSION

TRAQUA combines the development of an **innovative technology** with **expertise in hydrogeology** to provide targeted solutions to problems related to (ground, surface, distribution, waste) water flows.

We implement tailored in-situ monitoring based on an analysis with high temporal and spatial resolution. The continuous sampling of data such as fluorescence, turbidity and water temperature provide useful information about your problem to obtain a detailed analysis, scientific diagnosis and resolution.

TRAQUA can provide unique technology and expertise for a range of applications related to hydraulic connectivity, flow and groundwater characterization, vulnerability of water resources, water quality monitoring, and much more.

OUR DOMAINS

1. NATURAL WATER FLOWS AND THE ENVIRONMENT

- Dye tracing, delimitation of recharge areas, vulnerability and prevention studies.
- Hydrodynamic characterization of water flows (travel time, speed).
- Diagnosis of contamination: origins and impacts.
- High-resolution monitoring in wells, piezometers, rivers, lakes, and the marine environment.
- Qualitative monitoring of water resources (turbidity, suspended matter, organic matter, temperature).

2. WATER DISTRIBUTION OR COLLECTION NETWORKS

- Network diagnostics (distribution, drainage, or sewers systems): connections, travel time, flow efficiency, leak detection, malfunction assessment.
- Hydrodynamic analysis by dye tracing.
- Qualitative monitoring of water with high temporal and spatial resolution (turbidity, suspended matter, temperature).

3. INDUSTRY, MINES, AND QUARRIES

- Water supply analysis.
- Impact of pumping or dewatering in engineering, mining, or construction activities.
- Contamination risk assessment, diagnostics, vulnerability studies, leak detection.
- Monitoring of wastewater or mining discharge.
- Efficiency study of industrial or water treatment processes.