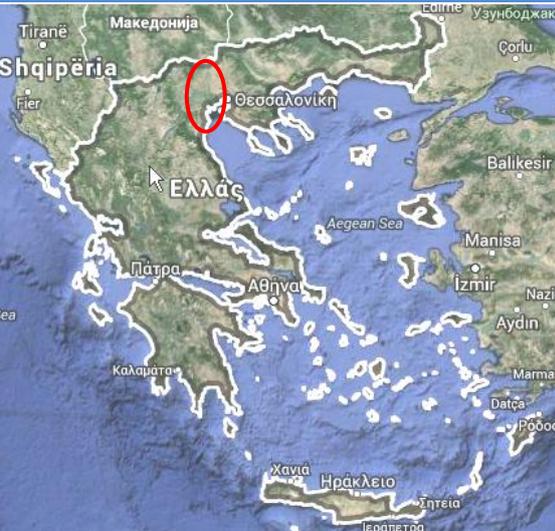


Strymon



In brief

The case: *Telemetry network measuring water flow and quality*

Location: *Along Strymon river*

Year: 2012

Project Administrator

Decentralized Administration of Macedonia and Thrace
W / Water Directorate of Eastern Macedonia - Thrace

Project ID:

Supply and installation of telemetry recording equipment of water quality /quantitative parameters in Strymon river, for the on time warning in cases of flood. The project was under implementation of the E.U. «**Decision Support System for flood risks alert in Strymon/Struma River Basin**» with initials «**RIVERALERT**» which was implemented under the Program INTERREG IV (EUROPEAN TERRITORIAL Co-operation) GREECE- BULGARIA 2007-2013.

Allocation of measuring stations

A network of 6 full equipped telemetry measuring stations was installed along the river, from the Greek Bulgarian Borders until Amfipolis.

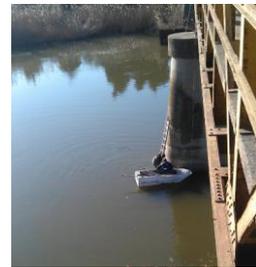


Simultaneous application of contemporary technology

Our company combined the contemporary technology of leading manufacturers:

- UHF and GPRS telemetry** Collect, logging, transmission and data processing
- Doppler systems** flow and water level measurements at the highest accuracy
- Intelligent probes** measure the physical and chemical water parameters
- Spectrophotometers** measure the nitrates, TSS and total Organic Carbon

Network structure



Station	Measured parameters
Trimeristis	<ul style="list-style-type: none"> - Water speed in two spots - Water level in two spots - Temperature - Power supply voltage
Tousla	<ul style="list-style-type: none"> - Water speed - Water level - Temperature - Power supply voltage
Peponia	<ul style="list-style-type: none"> - Water speed - Water level - Temperature - Power supply voltage
Kerkini Lake	<ul style="list-style-type: none"> -Water sample temperature -pH -Dissolved oxygen -Conductivity - Redox potential -Turbidity -TSS -Nitrates - Total Organic Carbon - Temperature - Power supply voltage
Rivers inlet in Greece	<ul style="list-style-type: none"> - Water sample temperature -pH - Dissolved oxygen - Conductivity -Redox potential - Turbidity -Nitrates - Total Organic Carbon - TSS - Temperature - Power supply voltage
Amfipolis	<ul style="list-style-type: none"> - Water sample temperature -pH - Dissolved oxygen - Conductivity - Redox potential - Turbidity - Temperature - Power supply voltage

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