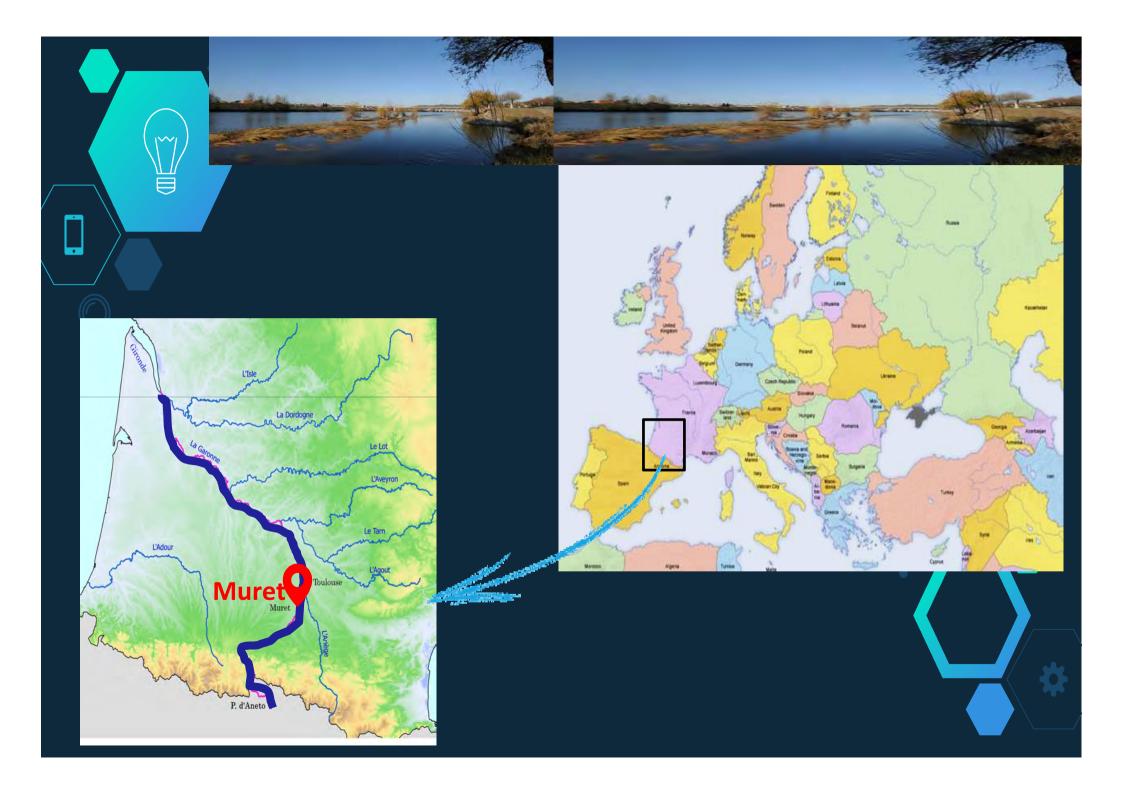


Experimental monitoring of the water quality of the river Garonne

OSTSTLa Rochelle (France)
November 4, 2016







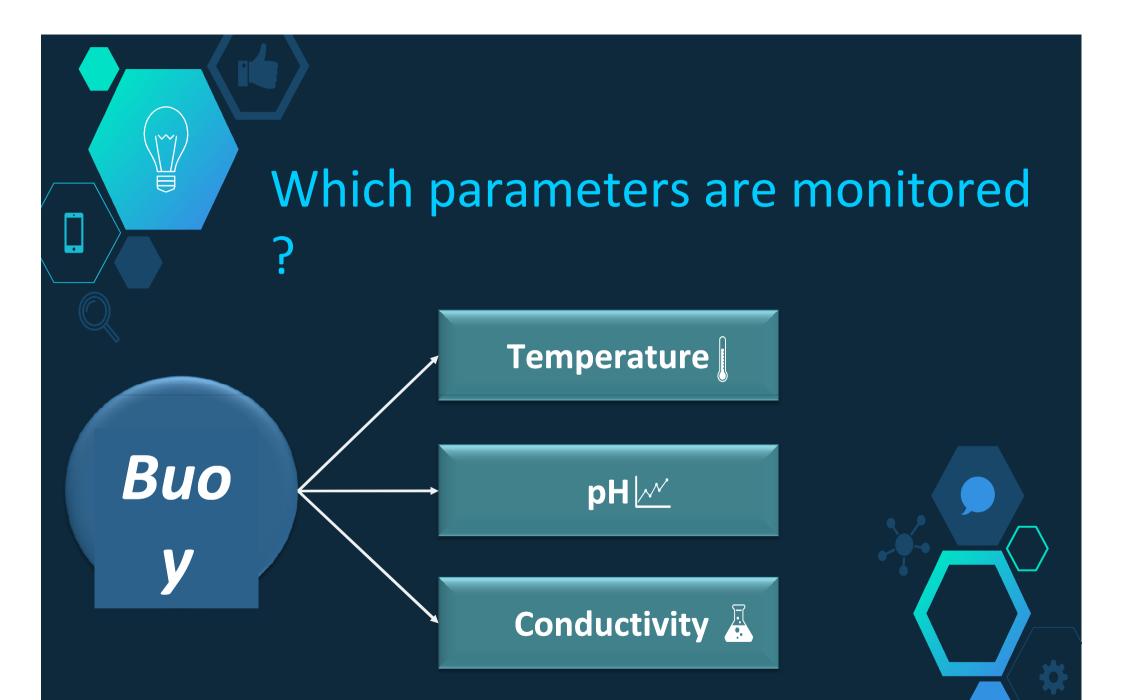


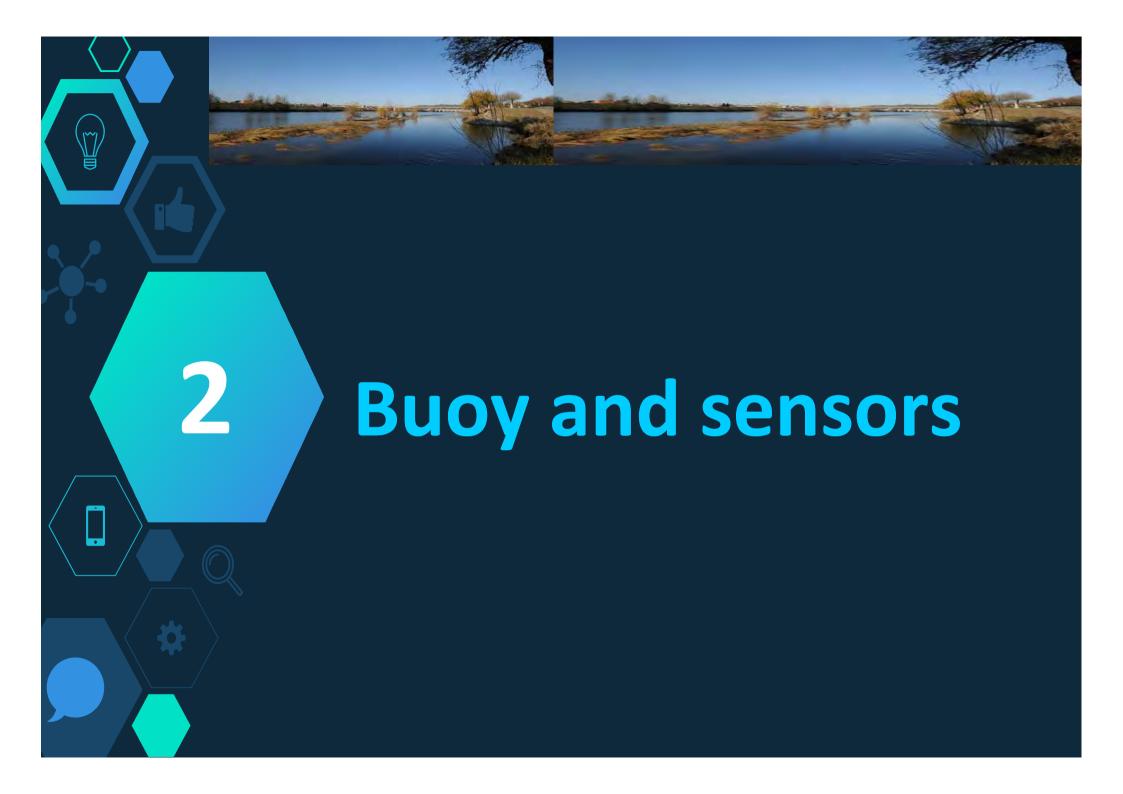
Study differents parameters to

determine water quality

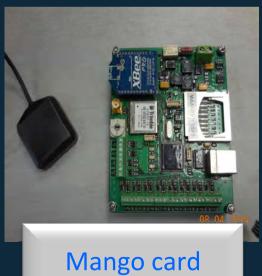
- conceive a tool able to make various measurements and record data
- compare our measurements to scientists' results



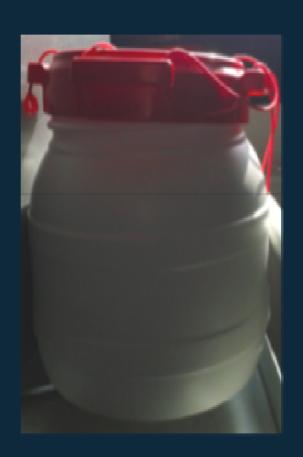






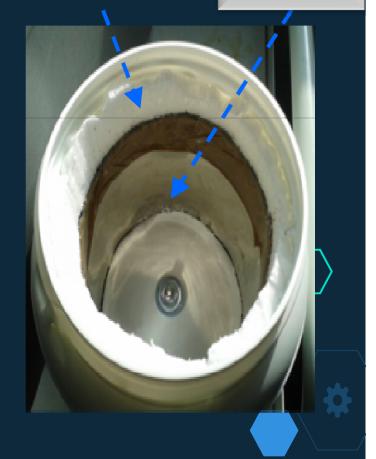


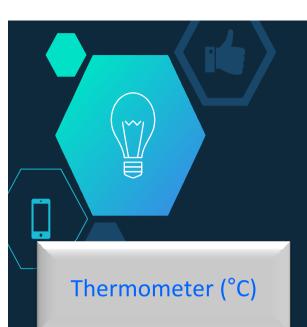
Buoy



Expanding foam

Flue pipe







Sensors







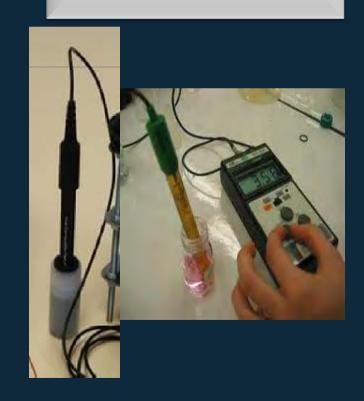
Sensors



Thermometer (°C)











Sensors

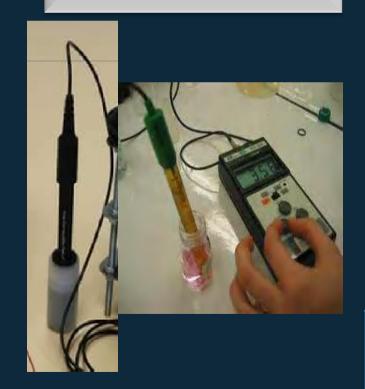


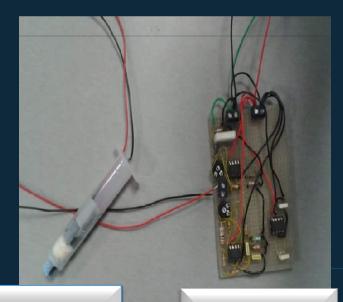
Thermometer (°C)

pH-meter

Conductivity sensor

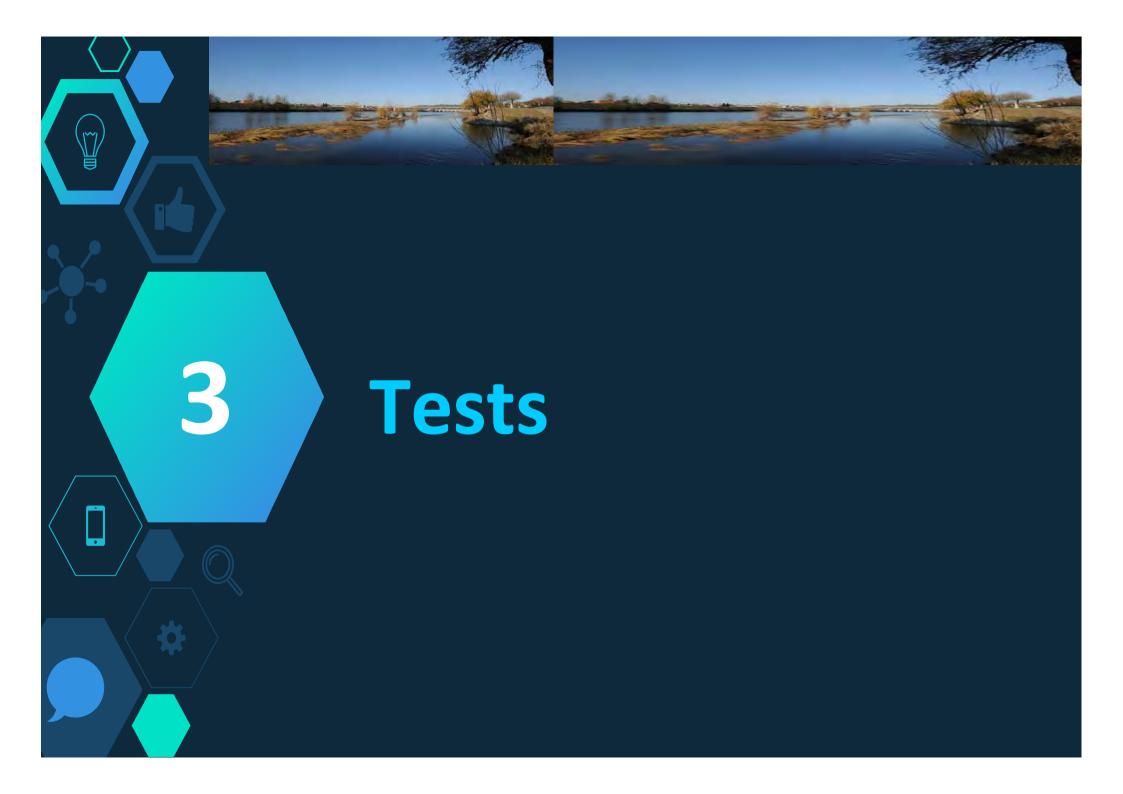






Electrodes:
Anode and
Cathode

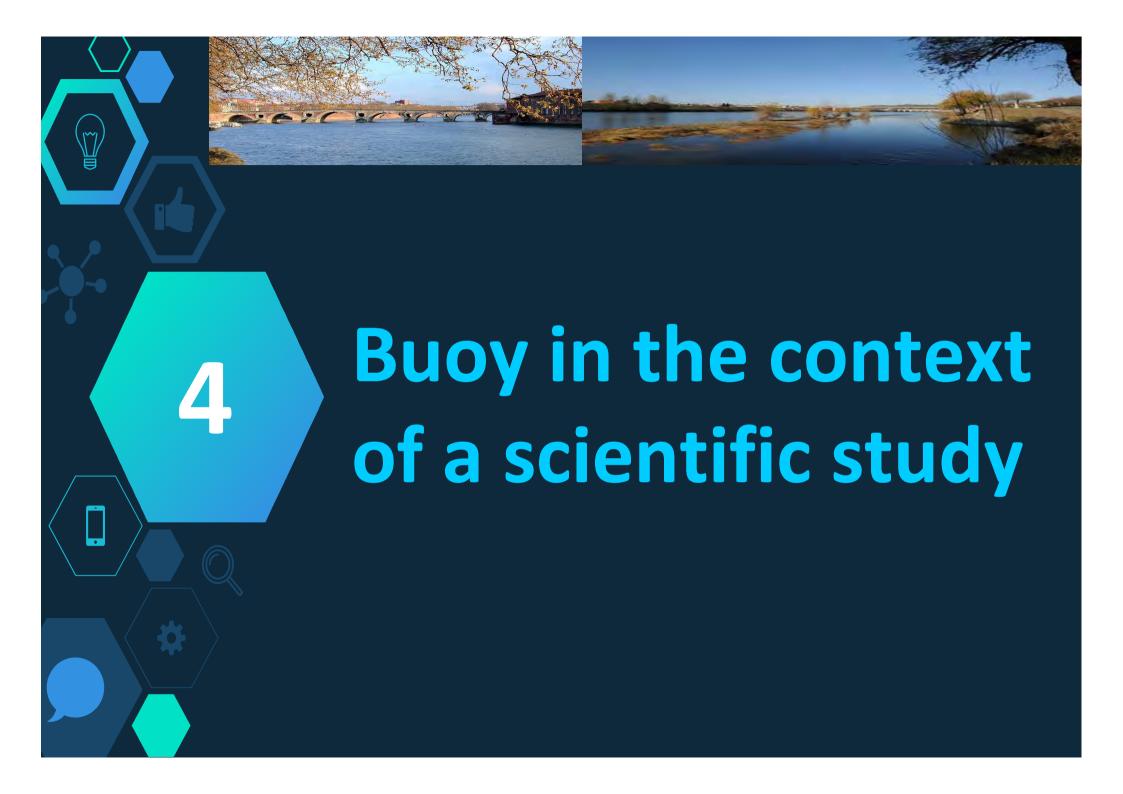
Board with various componants

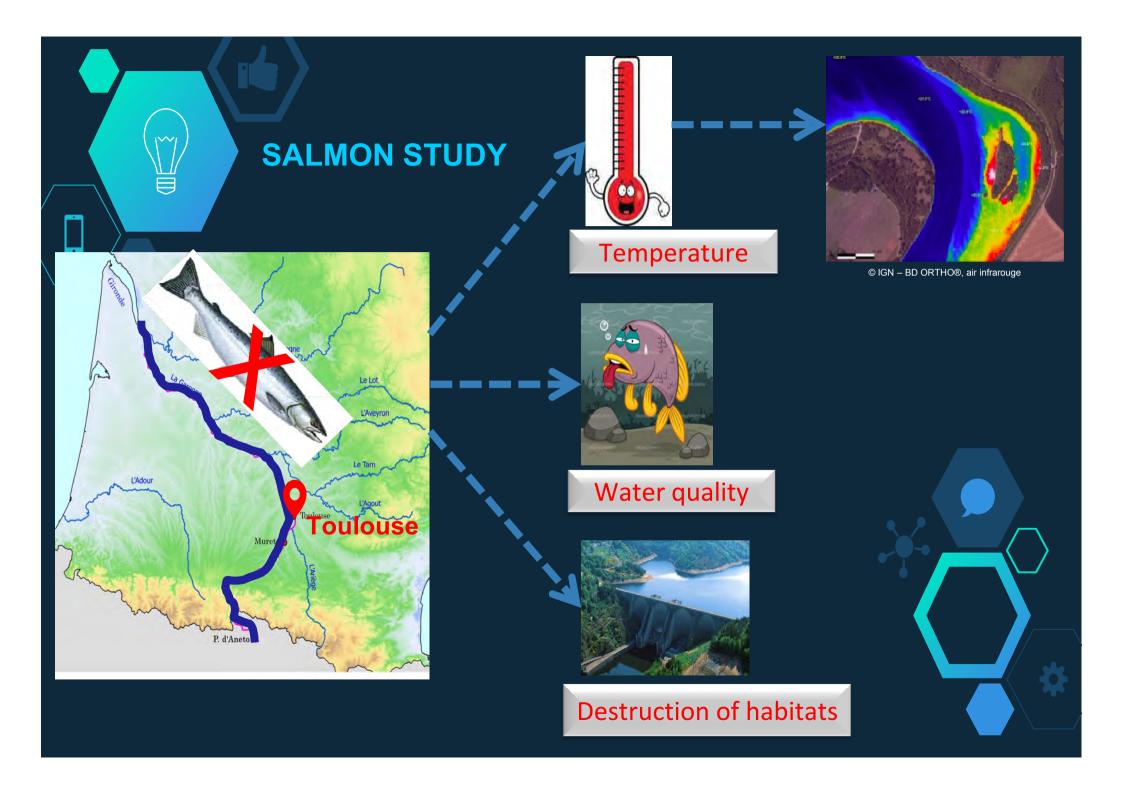
















Measurement of streamflow by **SUMOS** ible application?

Evaluation of the use of satellite sensors for the most important hydrological applications requiring RIVER DISCHARGE

While the temporal resolution of radar altimetry prevents its use on the forecasting activities and for water resources management for small basins, the optical sensors could give a better support for the evaluation of extreme events.

Altimetry can be used for the climate change evaluations, whereas actually less studies have addressed this topic for optical sensors.

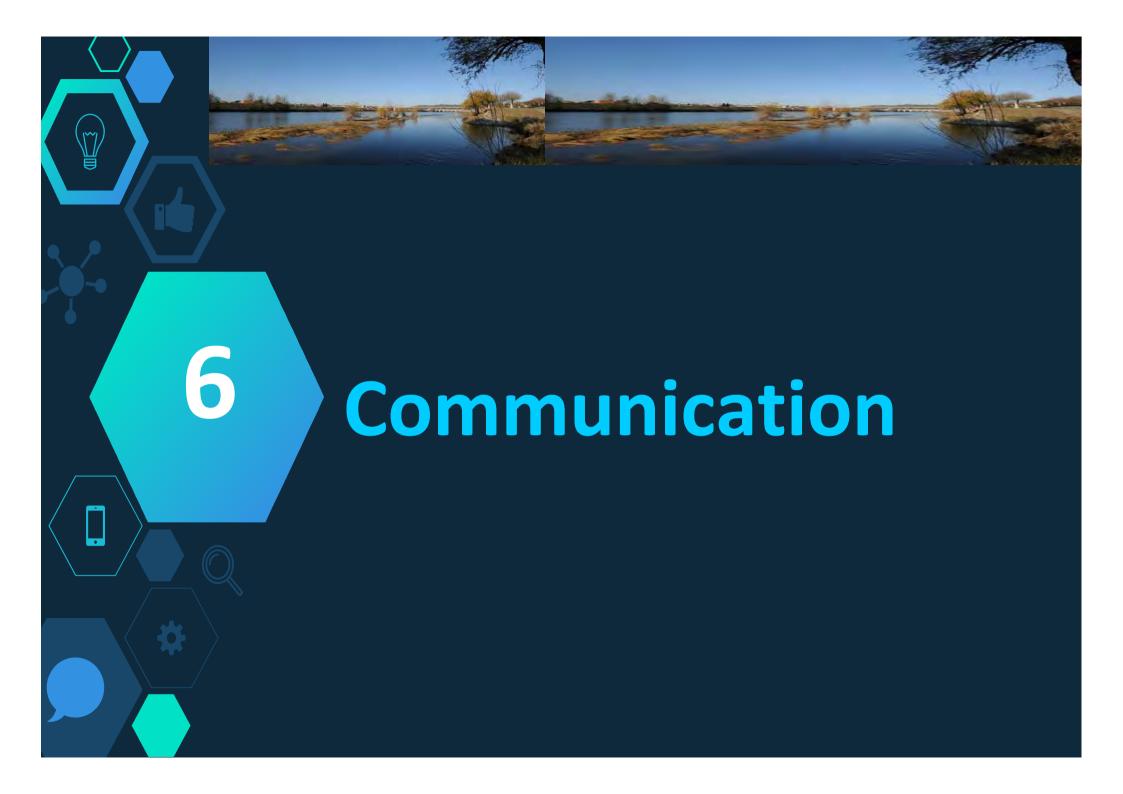
	ALTIMETRY		
	FORECASTING OF EXTREME EVENTS	WATER RESOURCES MANAGEMENT	CLIMATE CHANGE
Small- medium basins	4	9	<u> </u>





Jason







Newspaper articles

- Movies in french and english
- Explain our project to younger students in primary schools

















une bouée dans la Garonne

construction de bouées expérimentales pour évalue





