



# Smart dive

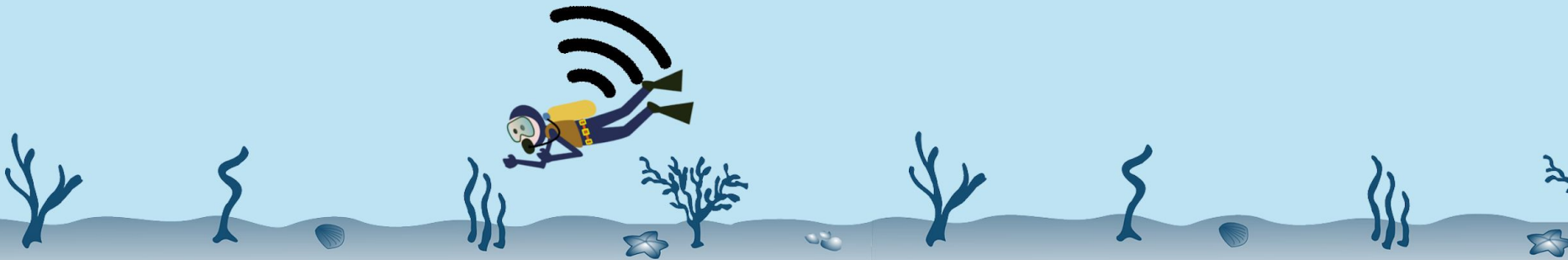
Merckaton 2019 project

CHASSERAT - CHOUVET - LAFFOSSE - NOIZE - RAYNAUD

# Presentation of the project



Ultrasounds

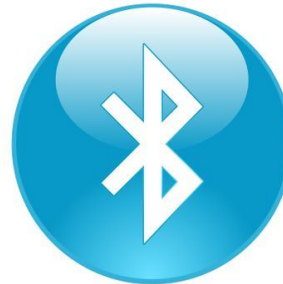
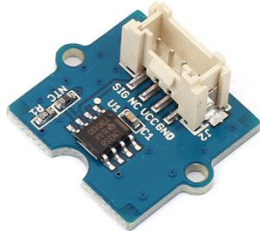


# Hardware

What has been done

→ 2 Intel Edison cards

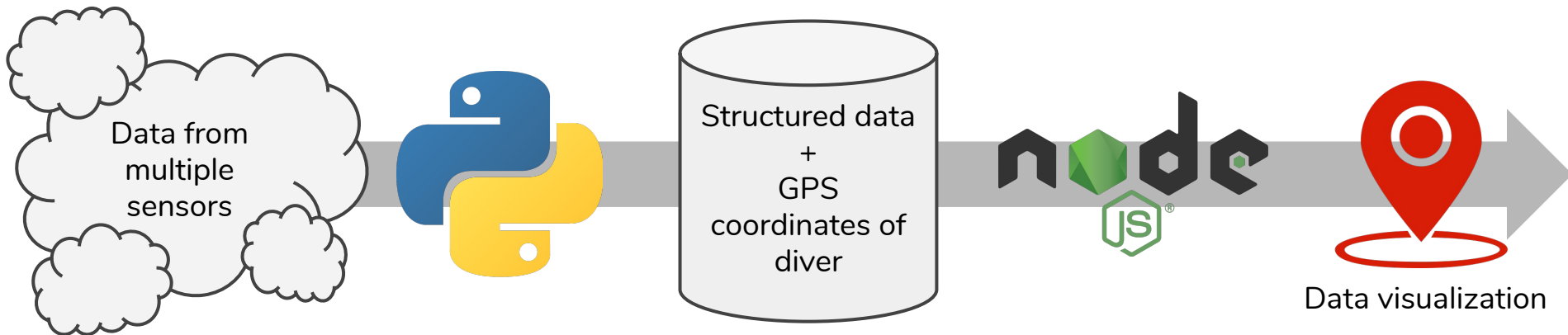
Measurement of Data	Transfer of Data
Temperature sensor, and ultrasonic ranger sensor	Peer-to-peer Bluetooth communication
Add the pressure sensor, and improve the computation of the distance.	Need to send the data to the server.



# Software

What has been done

- Micro-services
  - Data aggregation and refinement
  - Front-end Web interface



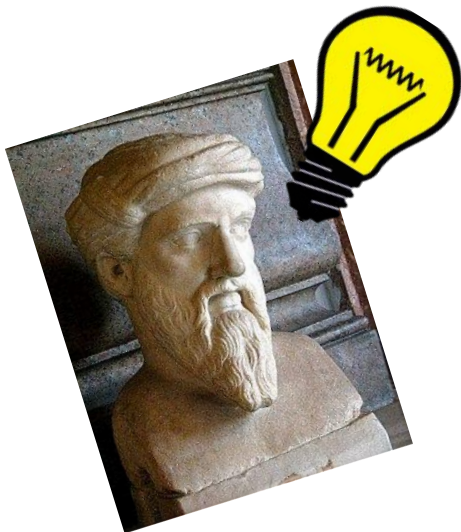


**Demonstration time !**

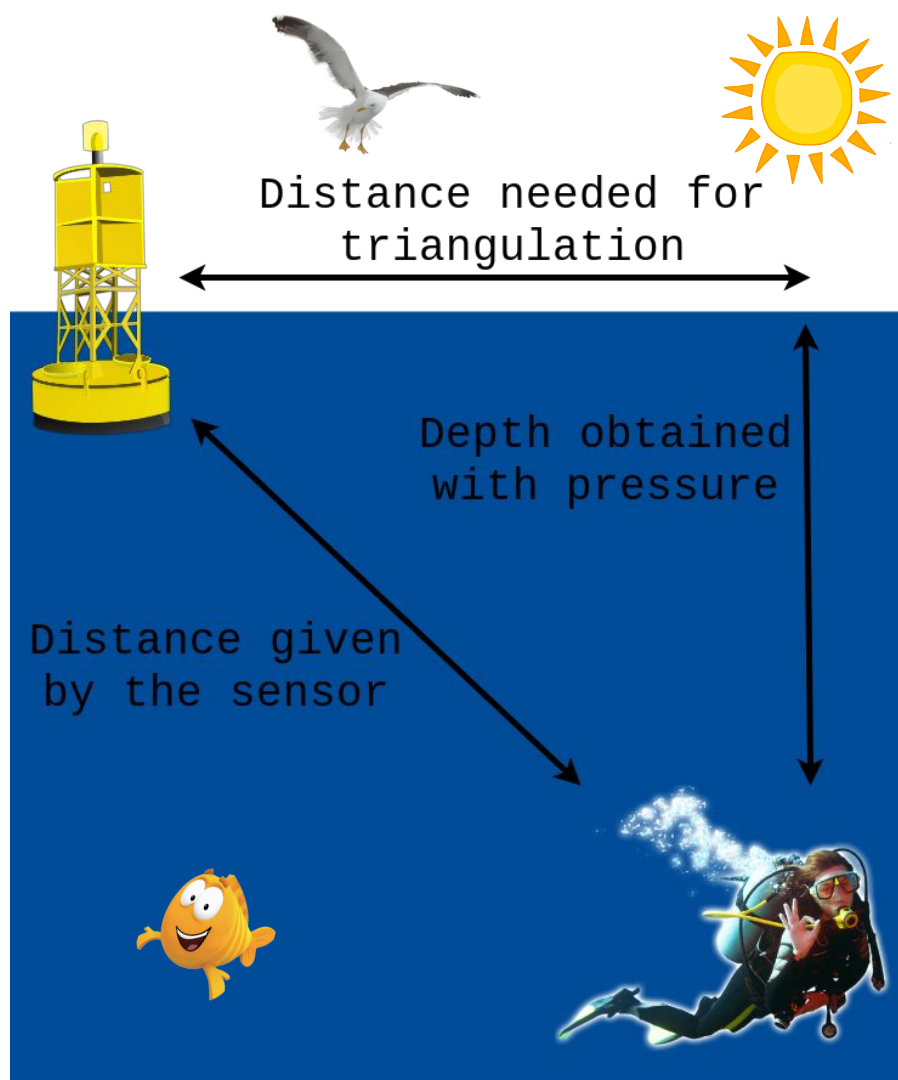
# Software

Triangulation to locate the diver

⇒ How to find the surface distance ?



⇒ Demonstration of triangulation !







**Thank you !**