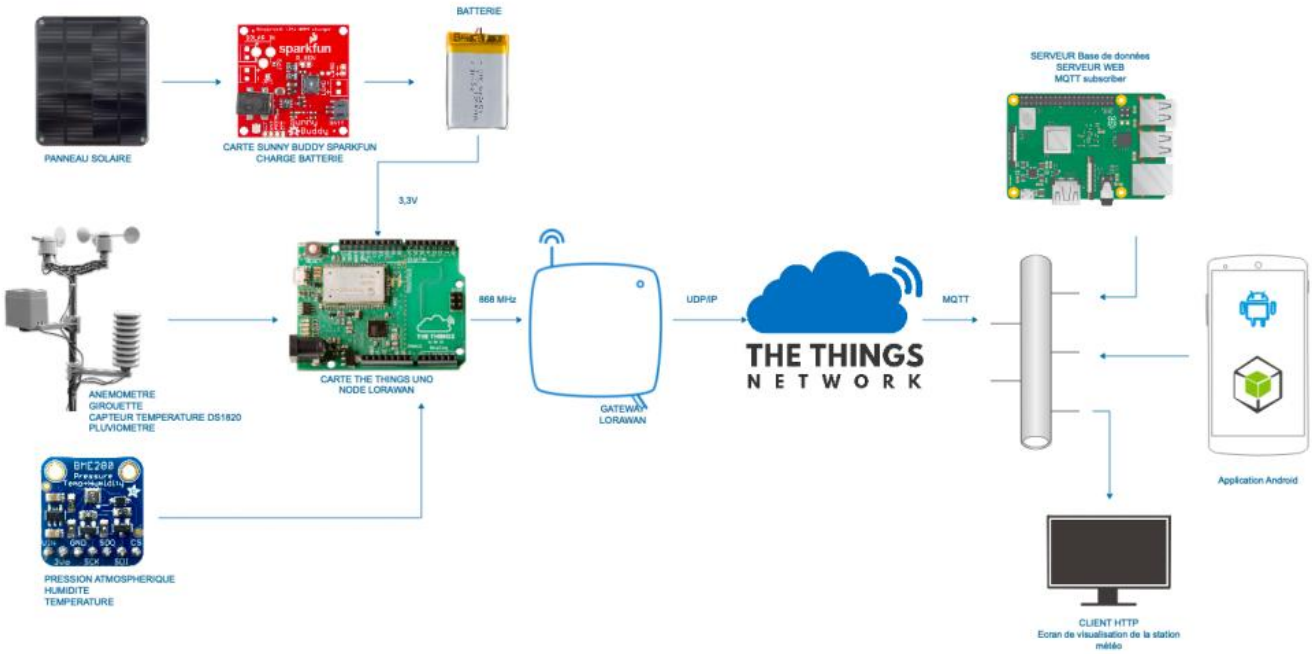
WEATHER STATION (Example in Clichy)

The material

Location in Clichy



Synoptic

SCENARIO : The **FRENCH COMPANY (NEWTON)** is specialized in IT and electronic solutions. They want to develop and commercialize a weather station. They want to subcontract the metal part. An **ITALIAN COMPANY (CAVANIS)** is leader in metal solution on demand. They want to collaborate in that industrial project.

Intensive Europe INEU: 7 Phases

Phase	when	Where	What
1	2nd week of october		1st virtual meeting **introduction of the participants ,** **general presentation of the Weather Station , specifications** **presentation of the moodle platform , how to use the courses**
2	7th of december		2nd virtual meeting **Making the teams of two students (1 italian / 1 french)** **Presentation of the expected work:** **Each group suppose to look for a location and imagine a type of support (video , picture) for the WS.** **They have to do also a Market analysis** **(pros and cons)**
3	10-19th Dec 2022	CHIOGGIA ITALY 	**The french students will assemble and program the electronic boards and sensors and set up the IT NETWORK. The italian students will observe and listen to the explanations from the french.** **After that, the italian students will present the material and welding technics to the french and they will choose together the best solution (the shape of the support is not defined at this time)** **Visit of the Venizia WS**
4	January		3rd virtual meeting **Each group (cf phase 2) will present the location and the type of support that is supposed to be the best in their school for the WS (video , picture). They present also their Market analysis (pros and cons)**

5	End of January	CLICHY FRANCE	4th transnational meeting Workprogress (staff point of view)
6	March 2023		4th virtual meeting Workprogress (student point of view)
7	May 2023	CLICHY FRANCE	French WS : Assembly of the Electronic boards, sensors, IT material in the support built by the Italian students. Installation in the choosen place. Final adjustment, revision, tests. Developpement of the website. All the weather data should be displayed on a screen (CHIOGGIA & CLICHY) Assessment of the project

Phase 1: **Specifications**

Team of 2 students / propose à kind of WS , support , IT ,sensors
Material In moodle
2 compagnies working together international cooperation
***1st virtual is introduction of participant , general presentation of the WS , specifications**

***2nd Virtual presentation of the moodle and we create team of two. Each group suppose to present a location and type of support (video , picture) / Market analysis (pros and cons)**
***3rd Virtual presentation of the solution of each**

Nr.	Content	Time app.
1.	Presentation of the project , timeline , specifications, goal Needs of materials , orders , wiring schematics …	60 to 120‘
2.		
3.		

Phase 2 : Material mounting

Nr.	Content	Time app.
4.	inventory of the material , datasheets , ingress protection code	180‘
3	Choice of Tripod location for WS	60‘
4	Assembly of the devices	1200’

Phase 3: **Ideas and programming**

Nr.	Content	Time app.
5	**Task**: team work (Italian & french student) , software basics , knowledge & skills sharing	120‘
	Input: Examples , basics , courses given by teachers	240‘
6	Presentation: The teams present their architecture (material & software) (15 minutes per team). The other teams comment choice and feasibility	240’
7	Teachers discuss the students solutions (only teachers)	90´
	Consulting the teams (all) / teachers comment the ideas	
8	Choice of communication protocol and software (teams)	30´
9	How to make a working plan? (lesson)	30´
10	Students develop a working plan for the WS project	120´

	a) Material supply and installation b) Communication with the WS from a distance c) Data access d) Data processing e) Data displaying..	
11	Production of program and/or code list	480´
12	Presentation and evaluation of app prototype (draft)	75´
	Around 24h	
13	Preparing for Phase 4 and 5	60’

Phase 4 : Data exchange

	Content	Time app.
14	Availability of the data from another country	120‘

Phase 5: finalization and tests

	Content	Time app.
15	Adjustment and revision	240’
16	Test	120’
17	Assessment of the WS	120
18	Dissemination (video, databook , flyer, userguide ….)	480’