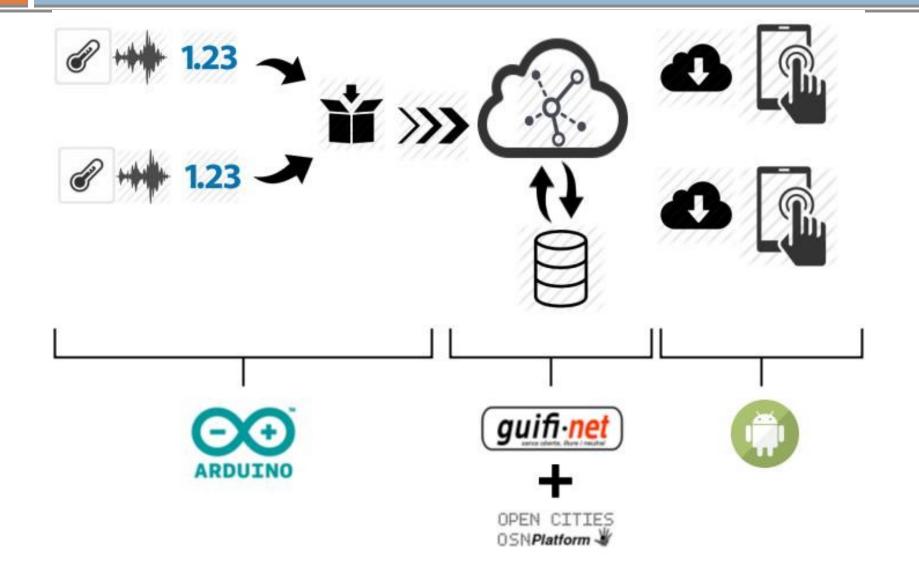
A BOTTOM UP SENSOR TESTBED

Alumno: Sergio Almendros Díaz Tutor: Jaume Barceló

INTRODUCTION

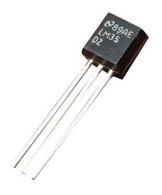


SENSORS





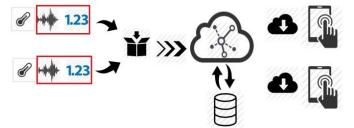




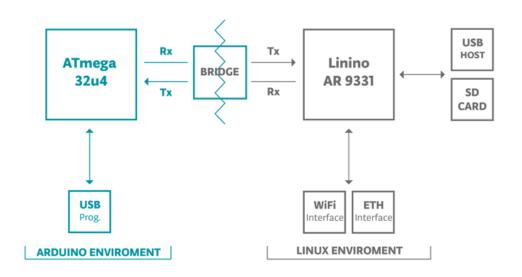




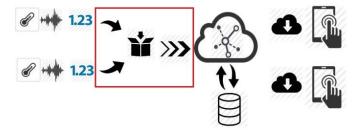
ARDUINO







PYTHON

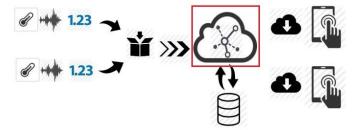


·Modular

Fast prototyping

Easier to understand

COMUNITY NETWORK



· Guifi.

Participati on

philosophy



STORAGE RESOURCE BROKE



- Opencities (at UPF) OPEN CITIES
 OSNPlatform
- Improving both projects

Intermediary



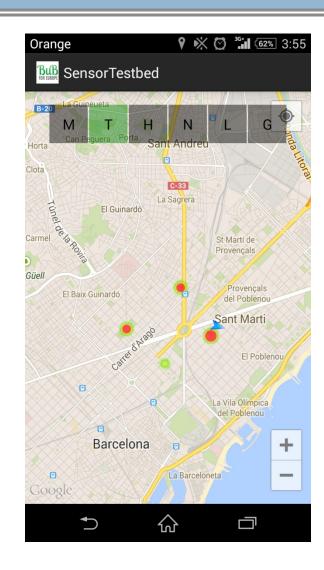
VISUALIZATION PLATFORM

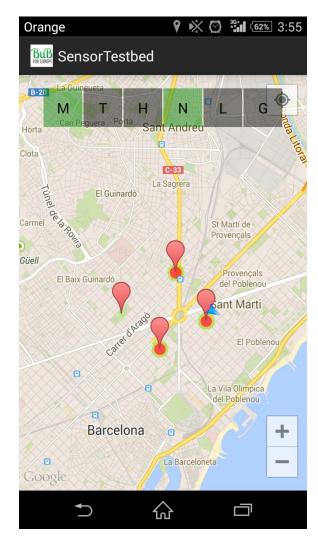


Easy to

understan d

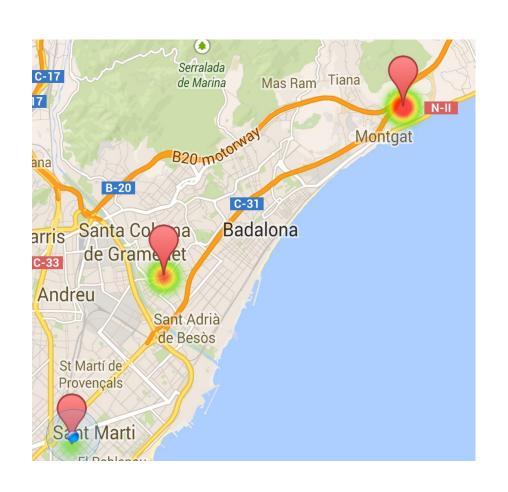
Markers and Heatmap





points

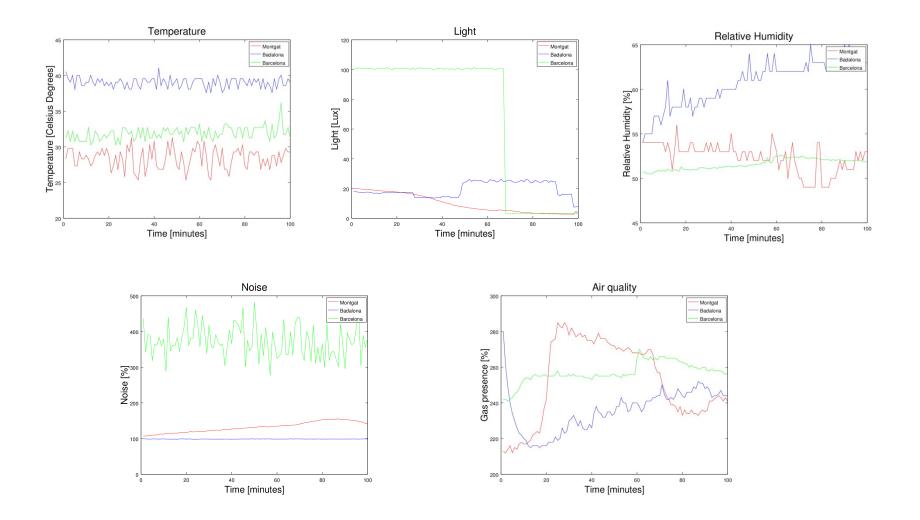
TESTBED



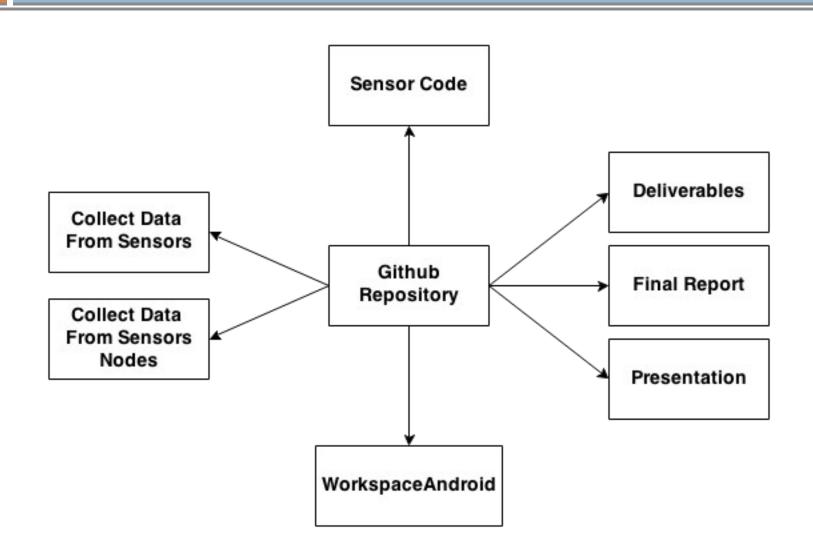
- Free space
- Different locations

Display the data into some

TESTBED RESULTS



REPOSITORY



CONCLUSIONS

- Deployment
- Inexpensive
- Open source
- Mobile App
- Github Repository
- Goals Accomplished

FUTURE WORK

- Can be improve
- Build a prototype
- PoE
- Improve Android App
- Diffuse