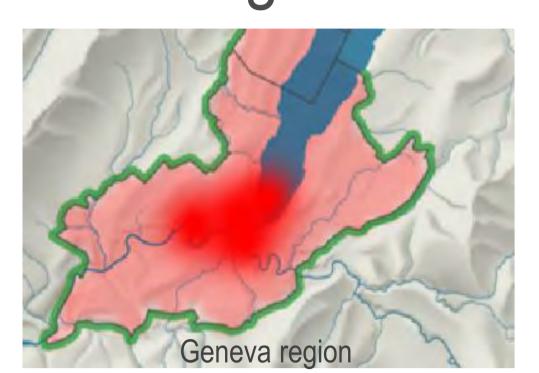
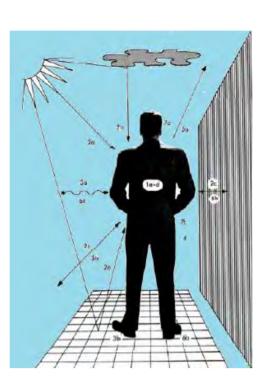
## City Feel – an instrument for climatic urban design for healtly cities and mitigate heat island

In order to mitigate the warming in our cities and to ensure a better and confortable quality of public spaces in more dense cities, we need more knowledge.



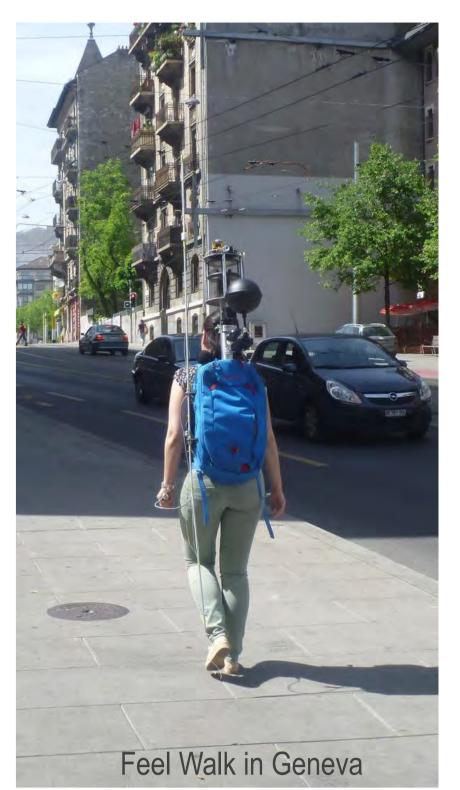


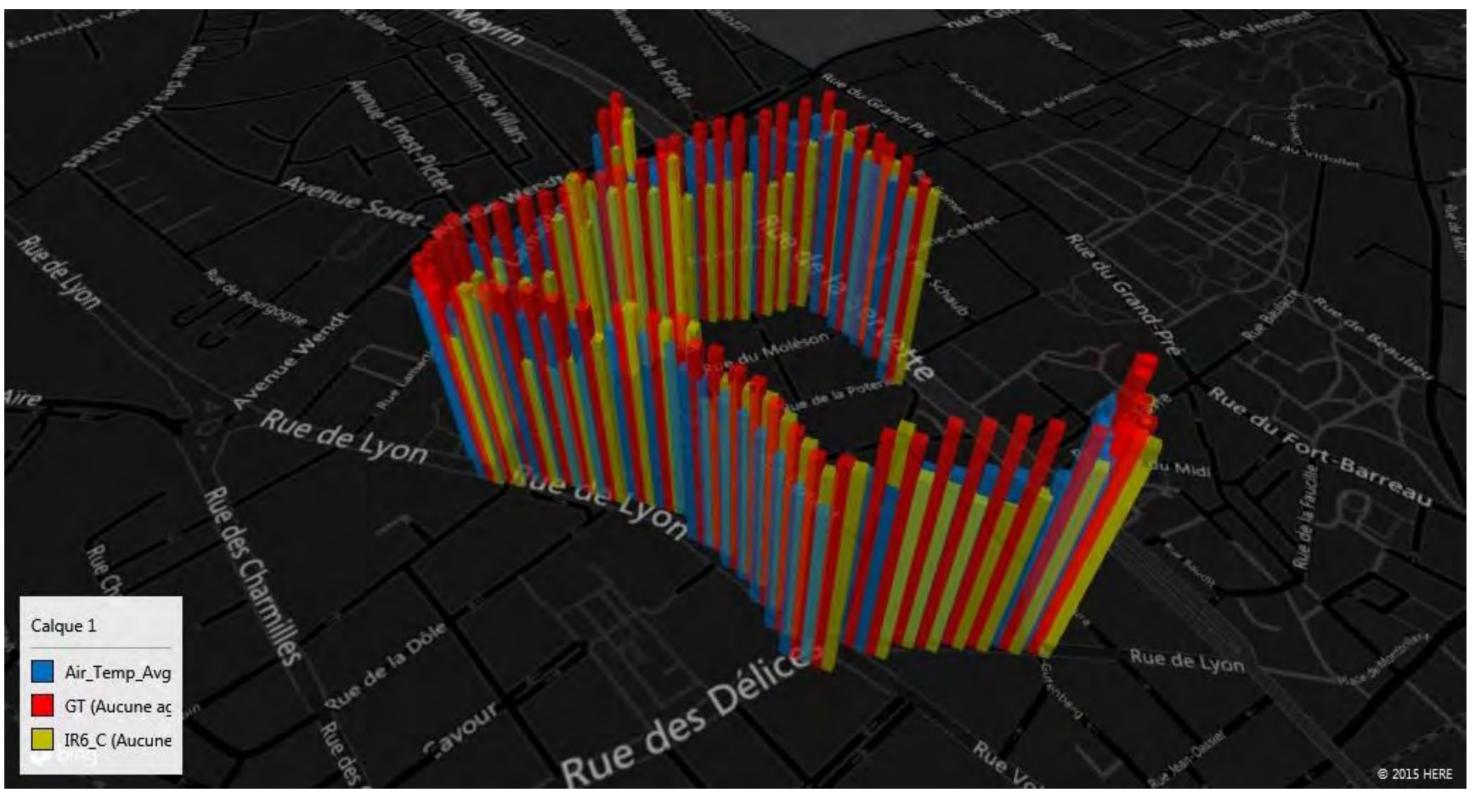


City Feel is a broad project within the framework of climatic urban design. The aim of the project is to develop and share a methodology and a affordable measurement equipment to be easily deployed on the streets, squares and other public places at the pedestrian level.

The equipment collects quantitative (physical) and qualitative (visual) environmental data that are georeferenced and correlated to qualify the urban ambiences.

The monitoring equipment is embedded into a backpack that is carried during a « climatic urban walk » - that can be reproduced at different times of the day or seasons so to yield a dynamic view of the climatic quality of a portion of the city.





Exemple of georeferenced representation of data during a Walk

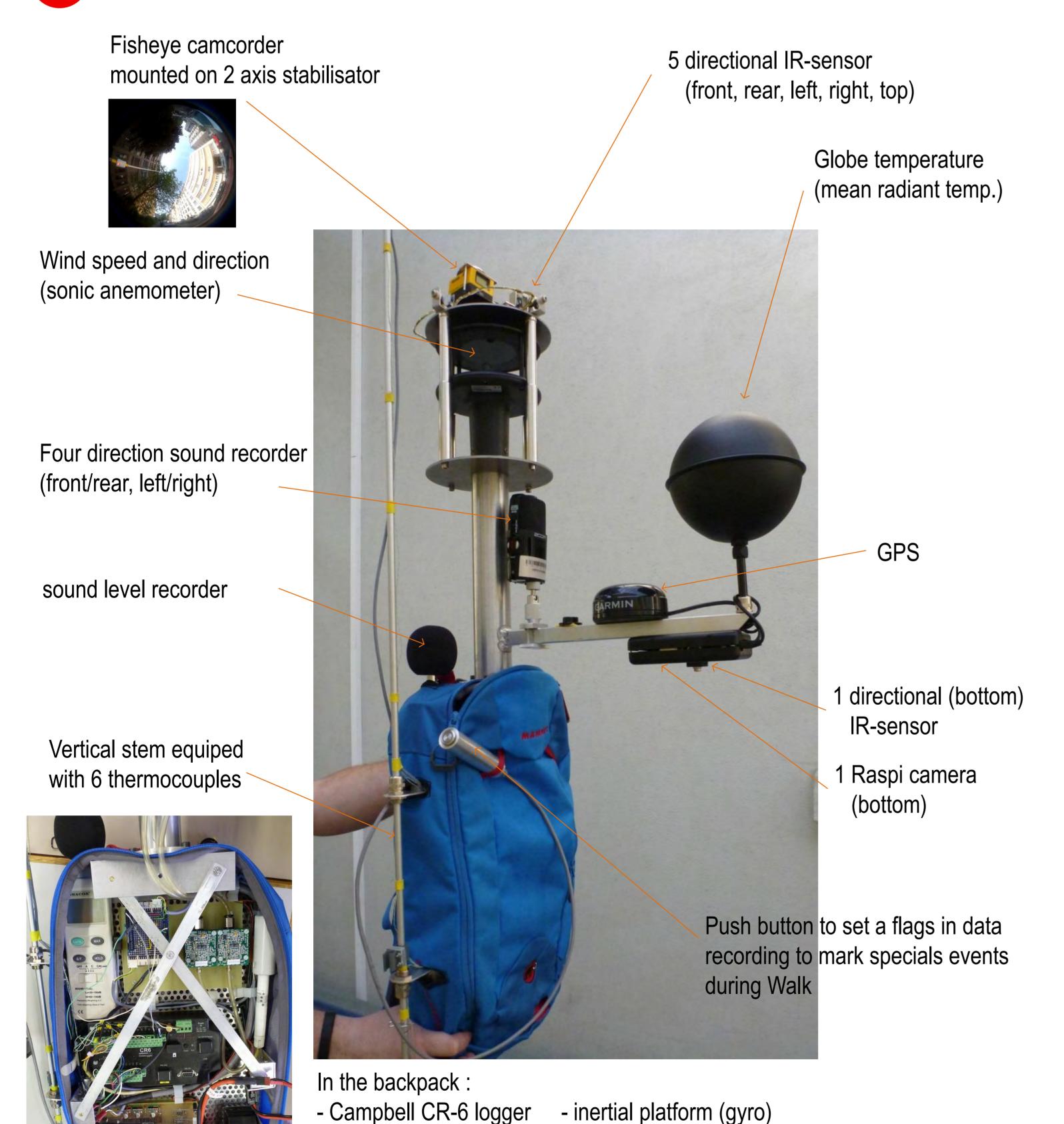
## **Overwiew of environmental sensors**

- Arduino

Hes-so///GENÈVE

de Suisse occidentale

Li-lon battery



- ventilated air temp. and humidity

(connected to external air duct)

- O<sub>3</sub>, NO<sub>x</sub> and PM10 sensors

- Join the project. Current research focuses on :
- Optimization of the device and automation of data retrieval and storage
- Development of a signature based data search system to be used for identification of similar cases
- Development of immersive and user friendly graphical interface

Crowdsourcing. We make available the monitoring equipment to public and academic partners who have interesting in contributing and sharing case studies trough an open source database containing monitored situations related to urban climatic design of public spaces.

Contact: reto.camponovo@hesge.ch



www.leea.ch

L'avenir est à créer





