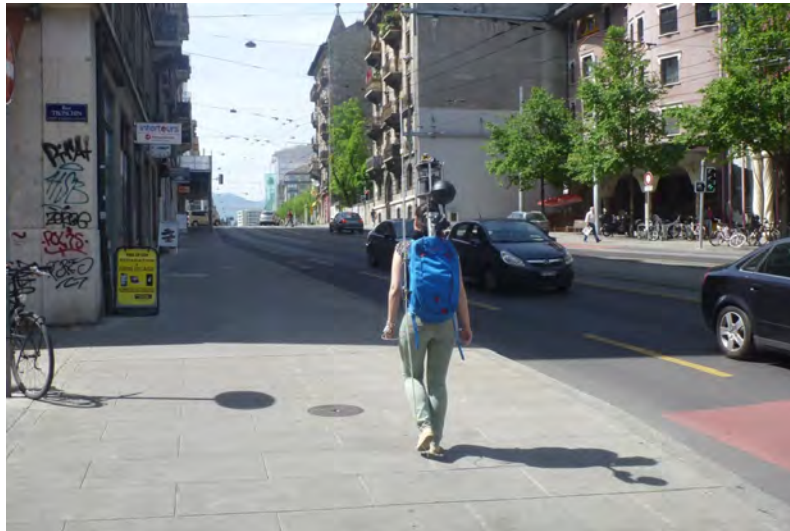


## feelcity : Clever data acquisition for liveable cities



Prof. Reto Camponovo

head of the laboratory for energy environment and architecture

University of Applied Sciences and Arts Western Switzerland



[reto.camponovo@hesge.ch](mailto:reto.camponovo@hesge.ch)



### Observation

Trend : ...*Everything has to be «Smart», the same goes for Cities*

### Our proposed analysis

- Cities can not be smart because they have no brains
- Cities are the mirror of the intelligence of their urban planners and the authorities
- Urban planners need better city climate knowledge to build livable and sustainable cities
- IT technologies are a tools that can contribute to improve this knowledge but alone they are not enough

## Two different way

### 1) Most trendy (**quantitative approach**)

Quick analysis of instant collected data to find a better individual compromise (eg. itinerary adaptation to prevent polluted streets, traffic obstruction, displacement optimization, ...)

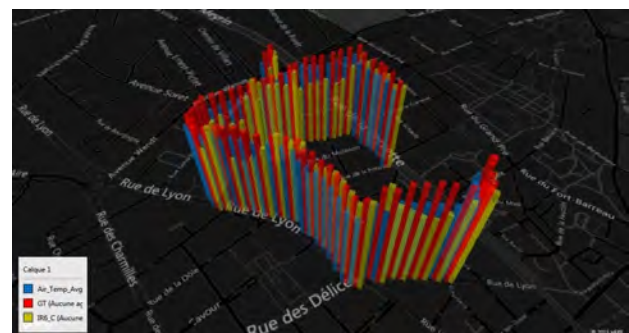
➔ Improves daily but does not build sustainable cities



### 2) Most sustainable (**quantitative & qualitative approach**)

True analysis of collected data coupled with real-time images to establish physical phenomena correlations with the immediate environment of a pedestrian. This enables authorities and urban planners to develop reliable planning projects to improve the quality of the city in a sustainable approach.

➔ transforms the city sustainably for the benefit of all inhabitants



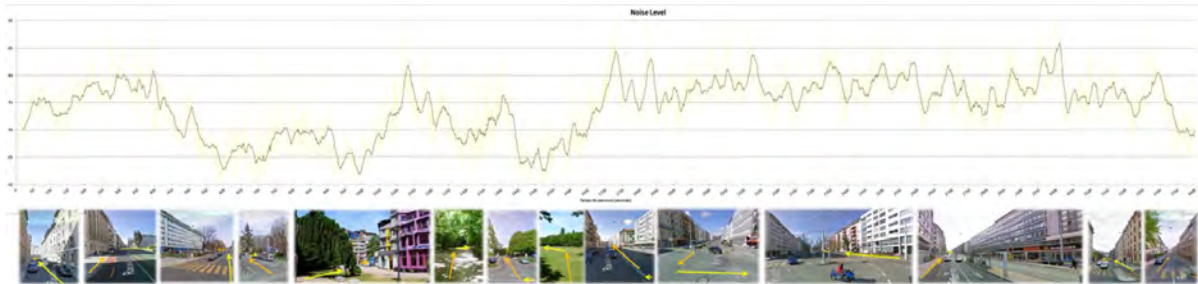
# feelcity project follows the 2nd way

The aim of the project is to act sustainably on mitigation of climate change in the city by increasing the knowledge for urban planning.



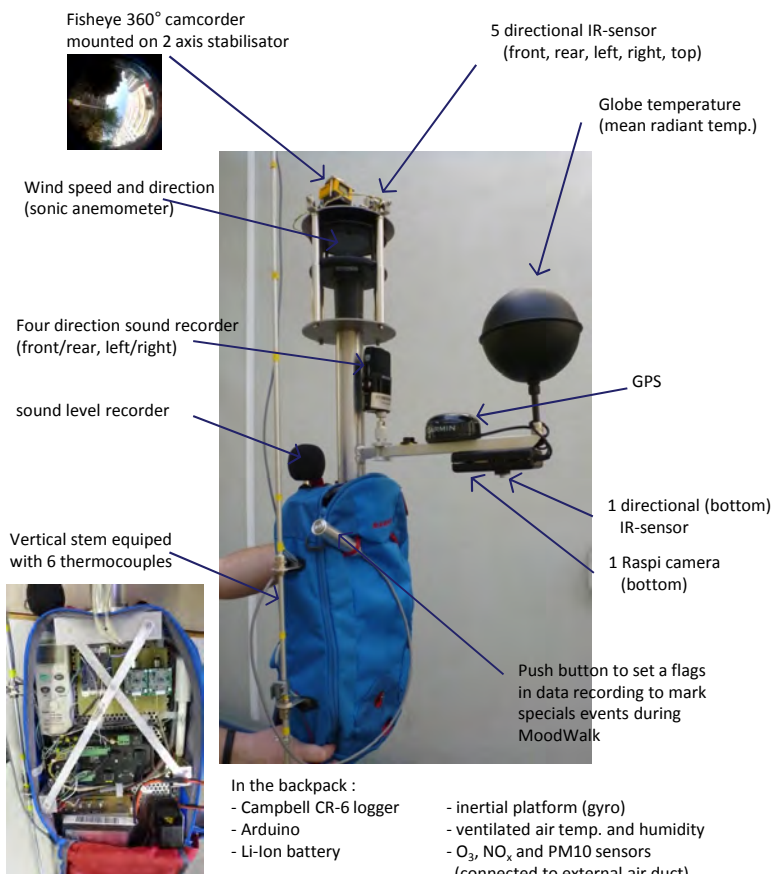
dessin : Jana Milošovičová, 2010.

Authorities and urban planners need new planning tools for the transition towards sustainable and liveable cities, and to target public investments.



graphiques : leea / hepia, 2015

## feelcity in short



The equipment is easily deployed on streets, squares and other public places at a pedestrian level 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.

# Creating a «feelcity» network of cities

The measurement equipment is available to public and academic partners who are interested in contributing and sharing case studies through monitored situations related to urban climatic design of public spaces and new projects..

**We want to create a network of cities to share and improve the knowledge**

**Join the project, contact**

[reto.camponovo@hesge.ch](mailto:reto.camponovo@hesge.ch)



Thanks for your attention ...

Oslo (N), 21/08/2014

59°54'54.15"N 10°44'03.44"

Picture : Reto Camponovo