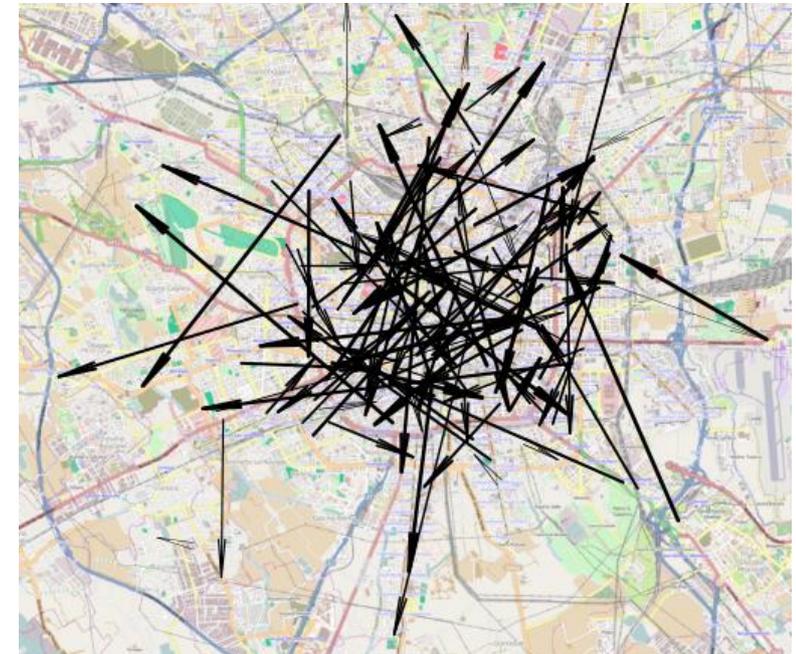
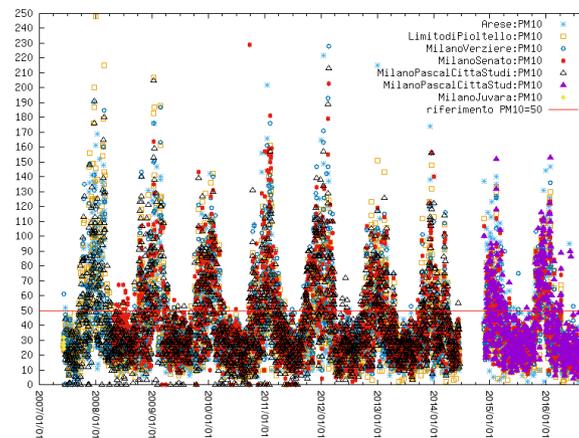
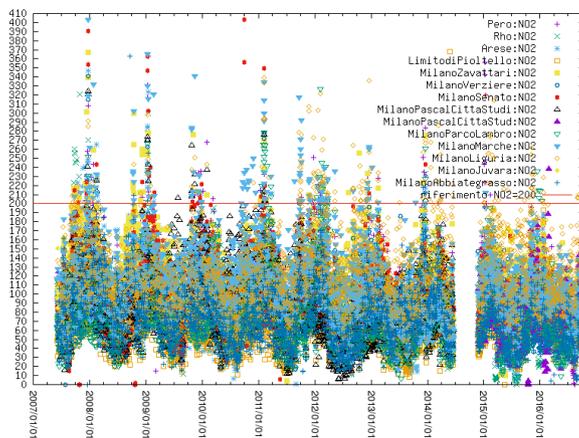
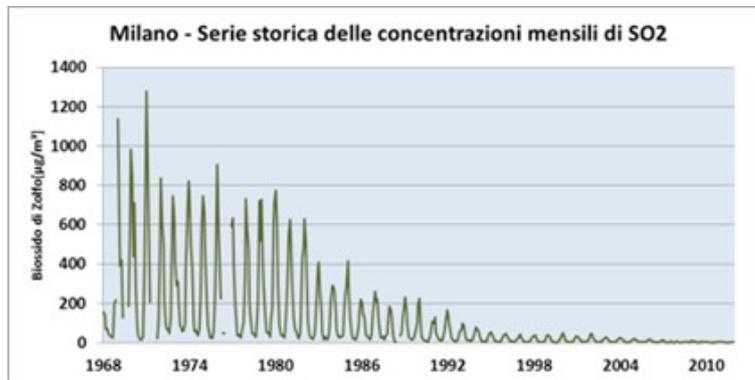


Motivating car-sharing services open-data mandatory APIs

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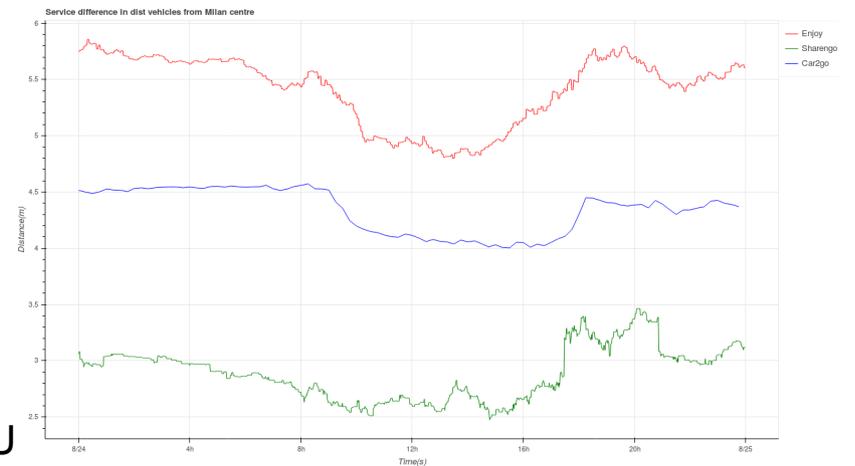
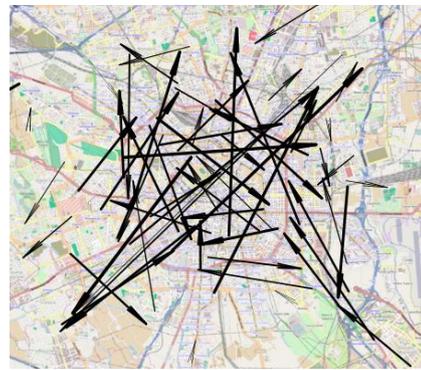
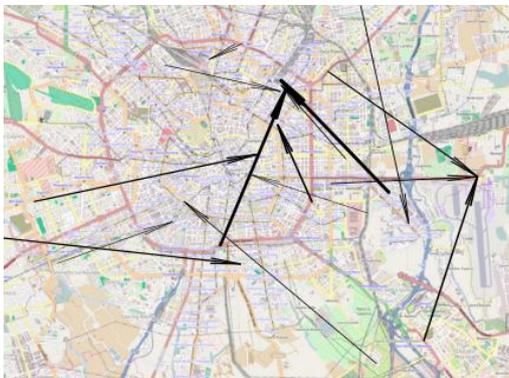
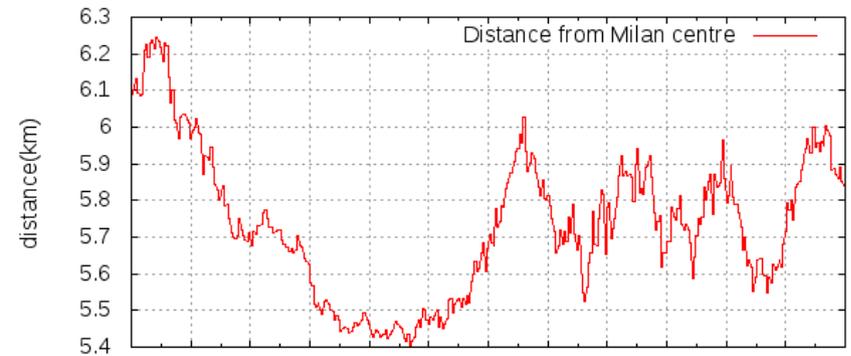
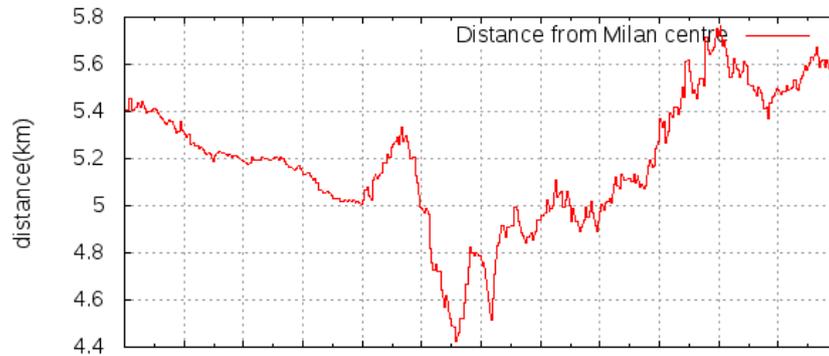
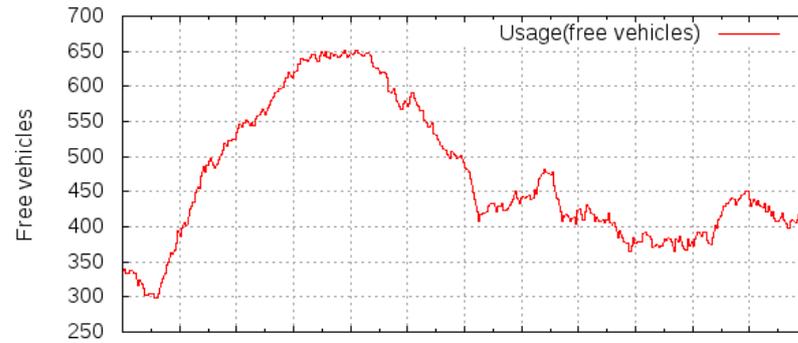
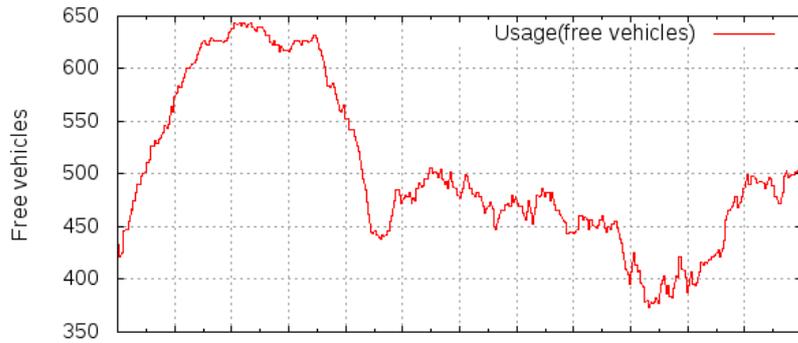


→ Vehicle sharing

CarSharing in Milan

- Share'NGo, TwistCar (until 2015), Enjoy, Car2Go, GuidaMi, DriveNow
- Free-floating (no specific park spots)
- Fares by the minute, parking and restricted areas included
- **Not-so-open data!!!**
 - **“webscraping” (since 2015)**

Data analysis



Full video: <https://www.youtube.com/watch?v=60QK7Go2CIU>

APIs, why?

- resource is converted from private to “public” (private firms!) **control**
- private form **artificially limited** to “ease” users towards shared one
- **cost** burden is on the public (firms need to get revenues!)
- “**TCO**” for specific users can be higher/lower, w.r.t. usage profile
- **workflow** is heavily changed
- **environment impact can be lower** (if system tuned to user needs)
- carsharing is in the hands of **private firms** which **do not publish enough data** to let third parties implement **independent analyses**

→ We need **public accountancy!!!**

API proposal

1) Define standard (RFC-like):

- `getStaticVehicles()`, `getMovingVehicles()`, `getInfo(id vehicle)`, `getInfoService(service)`, `getPath(id vehicle, interval)`, `getUserPath(id user, interval)`, ...
- both **realtime and historical** (timeframe)

2) Make it **mandatory**:

- for firms to participate in public-tenders/procurement-processes

We should create a bottom-up **LOBBY of citizens...**

THANK YOU!

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