# Energy transition with use of Geo-spatial and Big Data

Alisa Freyre Consultant on energy planning and energy programs Services Industriels de Genève, Switzerland



4th Session of the Group of Experts on Energy Efficiency UNECE, Geneva, Switzerland 31 October 2017

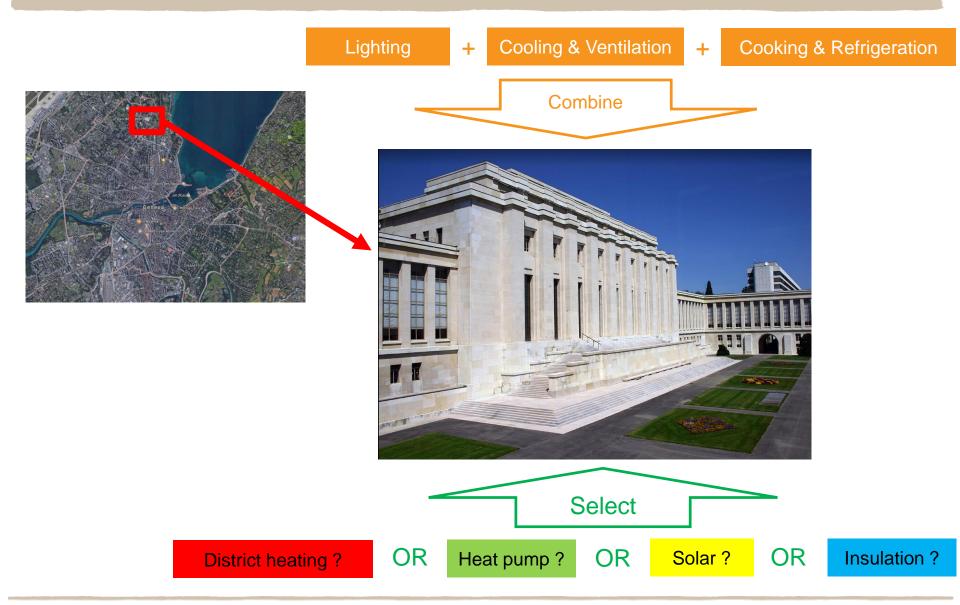
### Energy transition on multiple scales





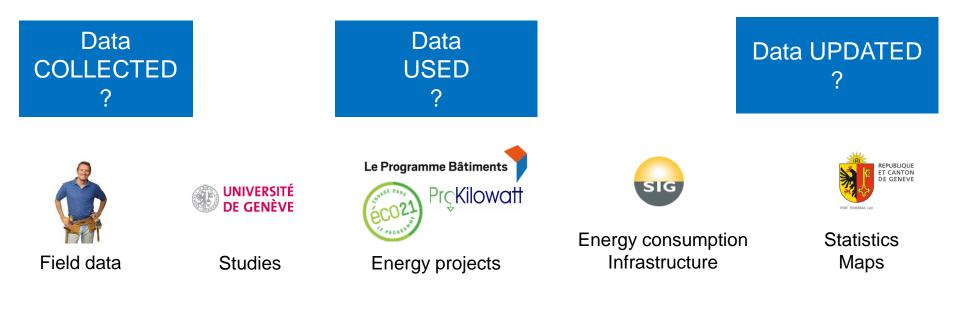
### Energy transition on multiple scales





## Data collection and use challenges



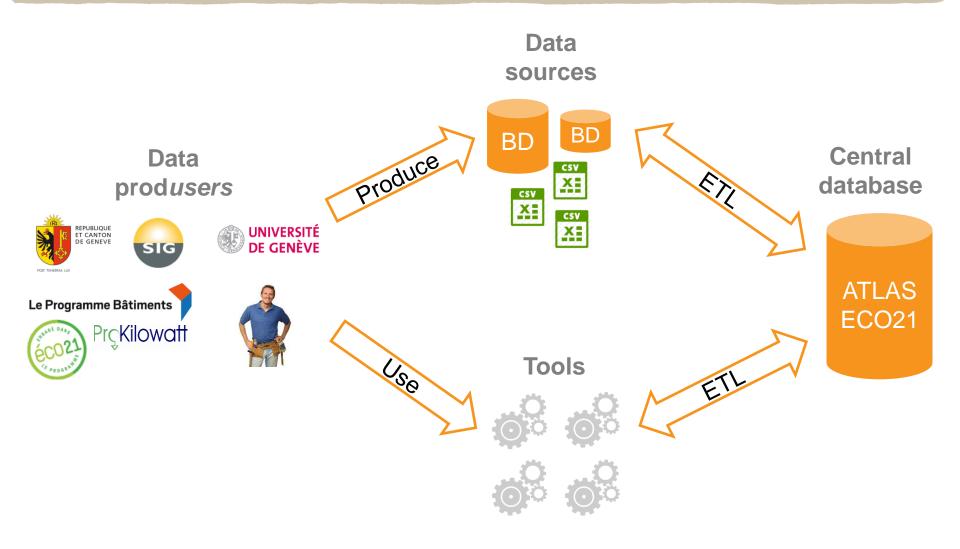






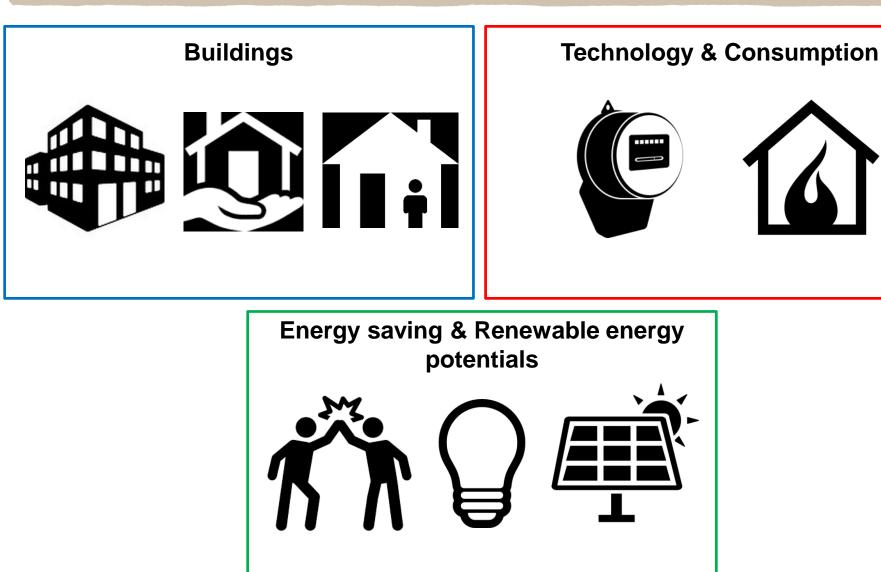
# **AtlasEco21 functioning principle**





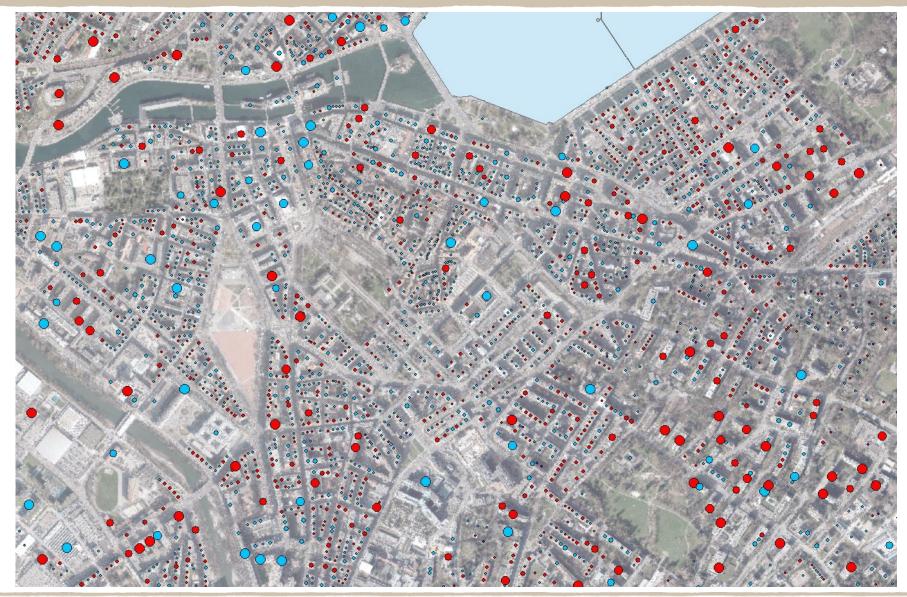
## AtlasEco21: planned content





# Example 1: heating planning tool for city







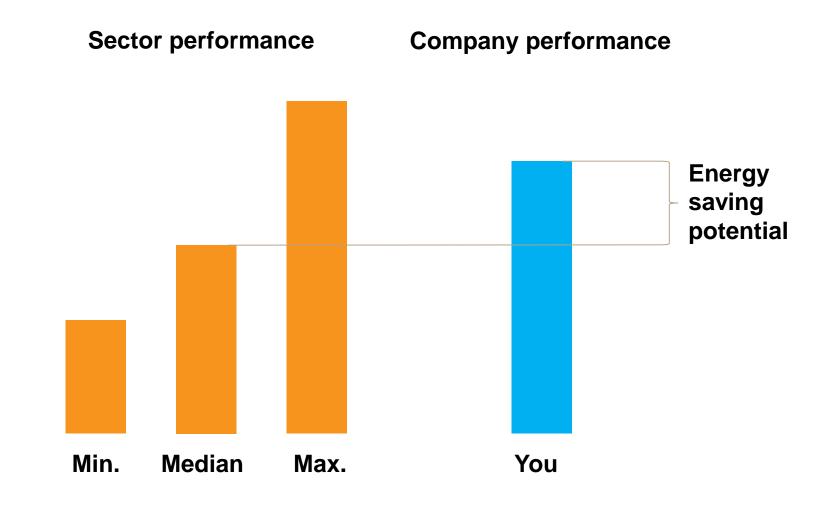


# Example 3: electricity saving tool for buildings













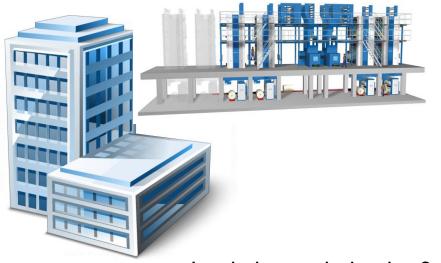
- ≶ Data valorized
- Dialogue facilitated
- Energy efficiency & Renewable energy potentials identified
- Technical efforts coordinated
- Project implementation facilitated



# Implications for industry?



#### Site management?



#### Site benchmarking?



#### Logistics optimization?



### Other applications?

