

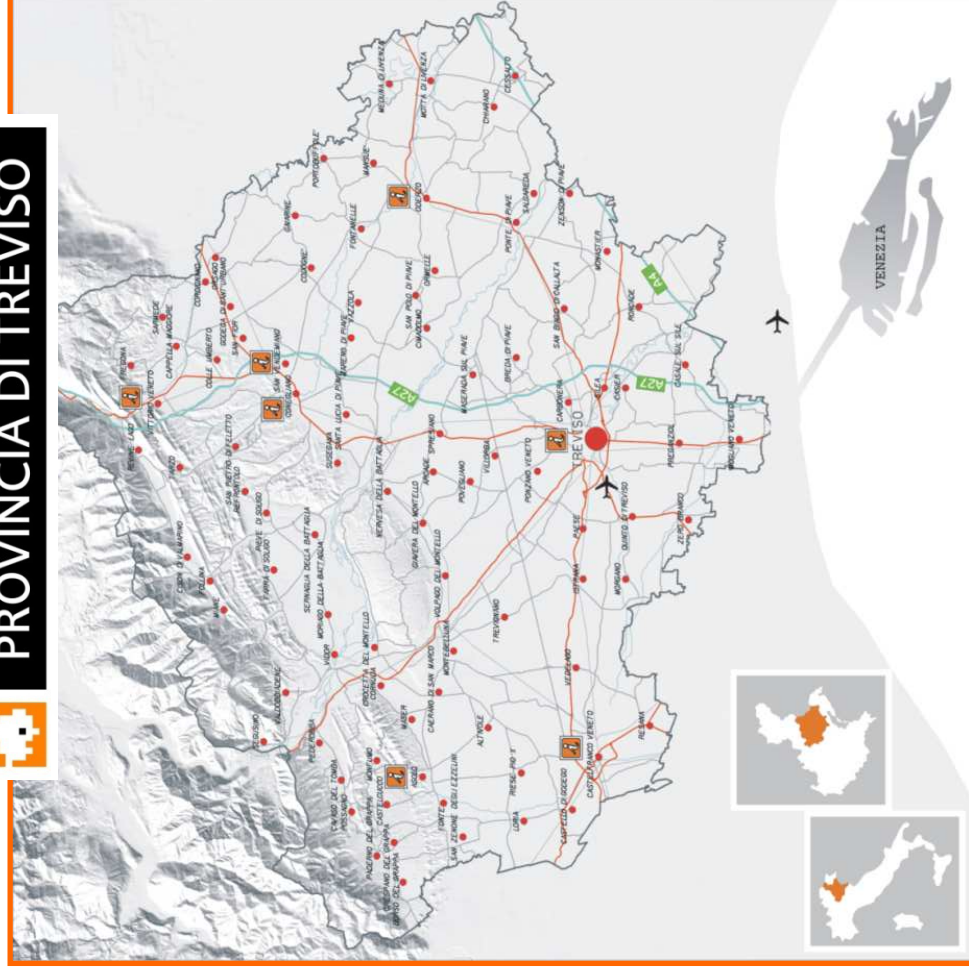
Open Living Lab Days 2018

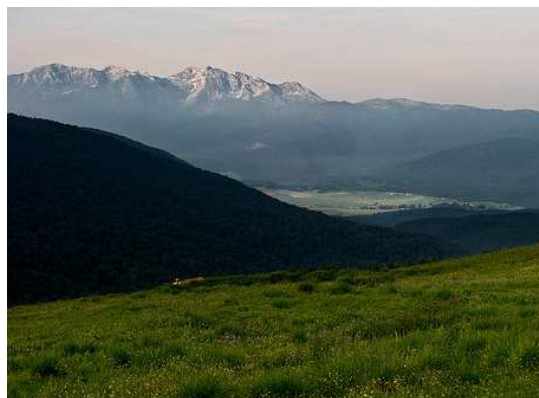
**Technology, goal setting and
behavioural nudges: 1000 ways to
save energy**

*Antonio Zonta – Provincia di Treviso –
LL Green Schools*

Genève 24 Août 2018







Paesaggio alpino dal monte Cesen



Il fiume Sile nella città di Treviso



Treviso – Piazza dei
Signori



Vigneti del Prosecco



Asolo e il castello (La Rocca)



Treviso – Prima rappresentazione
conosciuta di una persona con occhiali -
Tommaso da Modena ca. 1352

building stock and users

Building typologies	Buildings	Surface [m ²]	Volume [m ³]	Thermal Energy[GWh/y]	Users
Schools	120	415.000	1.467.000	24,0	45.000
Offices	18	35.000	122.000	1,5	500
Total	146	439.600	1.589.000	26,5	45.500



Typologies

- **School buildings**, serving a total located in **12 different municipalities within the province of Treviso**;
- **Office buildings** (mainly the Province's headquarters)



**European
Network of
Living Labs**

 Adherent Member





Methodology

To promote the reduction of energy consumption, the DSM equation proposed by IEA (International Energy Agency) was taken into consideration

$$R = P \times A$$

Result = Potential x Acceptance

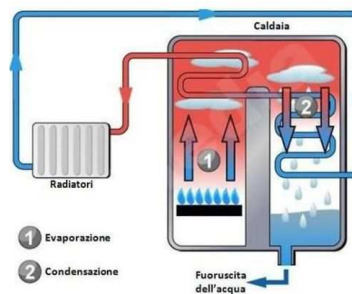
 **Efficiency in transformation**

 **Efficiency in usage**

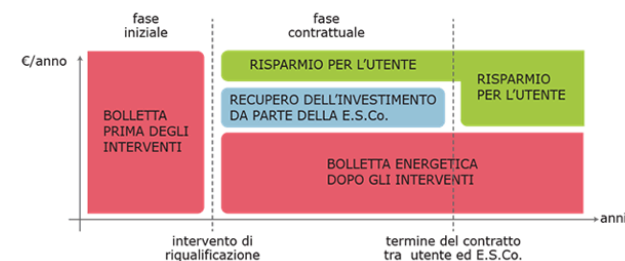
Efficiency in energy transformation



Tecnologies

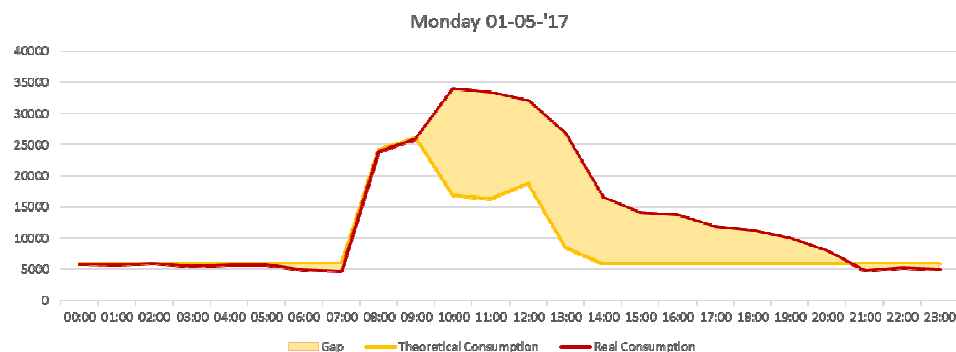


Tools



Efficiency in energy usage

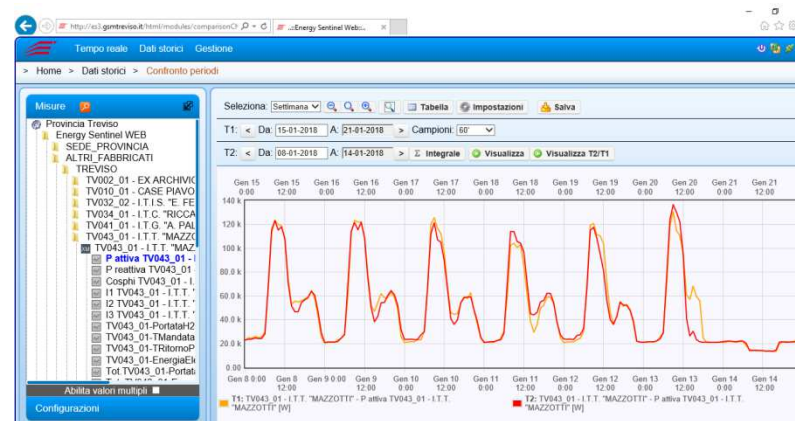
Social Audit



Behaviours



Smart Metering



How to achieve Energy Efficient Behaviours (EEB)

Principles

- Users must be aware of the value of energy
- Users must have a goal (goal setting theory)
- A constant feedback on the effectiveness of their actions must be provided

Nudges:

- Monetary
- Competition





Thank you!

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