

## Change and analysis of consumer behaviour at smart homes via Social Machine

CHROMOSOME is a project supported by the Salamanca Ciudad de Cultura y Saberes Foundation and developed in the Department of Computer Science of the University of Salamanca.

The objective of CHROMOSOME is to develop IoT-based services and an automation infrastructure that support a behavioural change on residential energy consumers towards more efficient habits and a drastic reduction on consumption and emissions, and to monitor sociological metrics that guarantee that comfort levels are not being compromised.

### OBJECTIVES

- To motivate a behavioural change towards more energy-efficient habits.
- To develop a standardised IoT-based platform for energy-efficient actions.
- To show a drastic reduction (15%-30%) of energy consumption and emissions.
- To validate the proposed platform in real pilots in Salamanca social housing.
- To demonstrate the cost-effectiveness of the proposed solution.

[chromosome.usal.es](http://chromosome.usal.es)