





**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.