

## Projet Partners

Università degli studi di Milano	Italy
Amis	Slovenia
Arduino SA	Switzerland
National Technical University of Athens	Greece
Fundación CARTIF	Spain
Gorenje	
Gospodinjski Aparati D.D.	Slovenia
Libelium	
Comunicaciones Distribuida	Spain
Universidad del Pais Vasco UPV/EHU	Spain



**SOCIAL HOUSEKEEPING  
THROUGH  
INTERCOMMUNICATING  
APPLIANCES  
AND SHARED RECIPES  
MERGED IN A PERVASIVE  
WEB-SERVICES  
INFRASTRUCTURE.**

### For more info:

Università degli Studi di Milano  
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[www.sands-project.eu](http://www.sands-project.eu)



FIRE – Future Internet  
Research and Experimentation

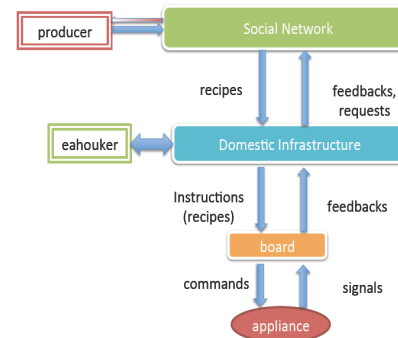


**SOCIAL&SMART** is an experimental project aiming at instantiating a large-scale IoT  
Experiments will be run on top of the Crew, OpenLab and SmartSantander facilities.

## Project Overview

An **Internet of Thing infrastructure** with:

1. household appliances at end nodes
2. housekeepers in the core to finalize an adaptive usage of them
3. a social network as a cognitive milieu,
4. a networked intelligence to optimize the appliance services
5. middleware islands to rule the appliances through a loop of instructions-feedbacks circulating along the network.



**Contract number**  
317947

**Project coordinator**  
**University of Milano**  
Department  
Of Computer Science

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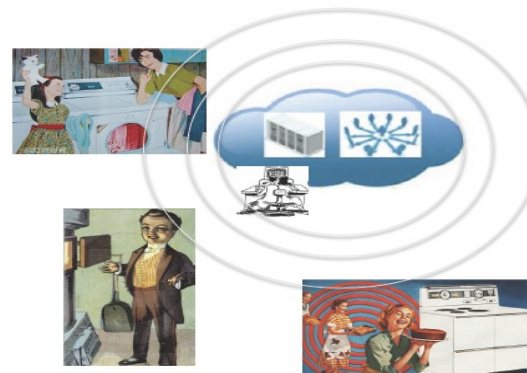
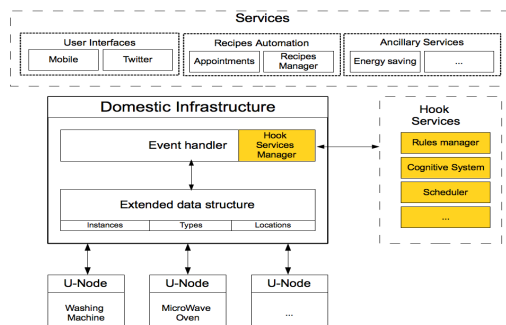
**Project website**  
[www.sands-project.eu](http://www.sands-project.eu)

**Project start date**  
1st November 2012

**Duration**  
**30 months**

## Scientific and Technical Objectives

To stress interoperability between heterogeneous things and different users served by a networked intelligence.



## Technical Approach

A holistic FIRE services layered architecture in the service of a housekeeper social network