

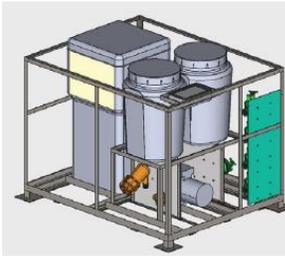
# Research topic: Analysis of the SIRAH product (Smart-Irrigation Resource-Agriculture for Homes) suitability on an economic (market), and social level

Research lines: urban food production ,SIRAH;

Research group: Sostenipra

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**The goal of this project is to develop products and technologies from laboratory settings to market scale. The project is based on 2 products: SIRAH alpha and SIRH beta.**

SIRAH is an irrigation module at a prototype level development. The irrigation system has a nutrient and water recirculation infrastructure installed which can be monitored with an irrigation panel and a sectorization of water valves.

The potential of the smart irrigation product in the market will be made in this task. Also, a social impact assessment is crucial to determine the potential effect on the society of the product installation. The elaboration of a social study and questionnaire for potential customers and stakeholders will help preventing possible risks and impacts on the installation of the product. While the increase of vegetation and the creation of access to fresh produce might signify an improvement, the acceptability to install these production systems in a person's defined as "NIMBY" (standing for: Not In My Back Yard).

**Main aim: Social viability analysis and Market viability analysis**

## MAIN TASKS:

- 1) SWOT analysis identifying the business strengths, weaknesses, opportunities and threads
- 2) Potential market risks will be evaluated
- 3) Questionnaire elaboration
- 4) Analyze data from a survey related to the social perception and acceptance
- 5) legal feasibility and barriers will be assessed to determine possible constraints in the generation of product implementation and address social compliancy with the existing barriers.
- 6) Elaborate a scientific article