

# #Agronautas Agrococina

## Pezestudio

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## Prototyping of the kitchen furniture and meeting of closed cycles in Zorrozaurre

The AgroKitchen is a prototype of a complete set of ecological, open-source kitchen furniture for outdoor areas which can be self-assembled and developed collectively. It is made from natural materials and to incorporate systems that minimize the consumption of resources and energy.

In Vizcaya we have worked in relation to rural and semi-rural communal orchards around Bilbao to develop a prototype in the city: The AgroKitchen. It is a furniture made with natural materials and applied to outdoor areas. It includes systems for cooking, eating and relaxing (listening to music, resting) in community gardens and orchards, minimizing the consumption of the energy (proceeding from the sun and biomass) and resources (water purification and reuse). It is a complete furniture of kitchen and dining room for outdoor spaces, useful both in community (orchards, campsites, civic and cultural centers ...) and private settings.

The equipment comprises a sink with filtering and treatment system to recycle water for irrigation purposes, a point for capturing solar (photovoltaic) energy and playing music, in addition to furniture (sun loungers with wheels, countertops, tables and chairs for groups). It also includes an innovative design for a multi-energy cooker that works like an inverted solar oven – allowing food to be prepared – and comes equipped with a biomass boiler that is perfect for cloudy days.

This module is linked to a monitoring system that we call the "Digital Sensor System": a transversal system that collects, transmits and analyses data generated by



different sensors that are located at various points throughout the kitchen, and also sends that information to the network.

The AgroKitchen is a set of furniture, which can be adapted in terms of design and components for other locations, and it can be installed in gardens, allotments and courtyards that are private, public and/or community-owned.

## About the team

Pezestudio is a creative cell of architects that created in 2006 that develops projects of Urbanism, Architecture, Design and Action-Research.

We design objects, tools, spaces and practices that promote minimum human impact on the environment, social development, research and production of innovative construction techniques and the generation of collaborative contexts.

We work around concepts such as ecology and society, rural and urban habitats and lifestyles, tradition and technology, reuse and standardization, crafts and do it yourself / do it together, Open source and participation.

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**Space typology** Empty building / Garden / Park / Periurban / Plaza / Public Building / Street / Vacant plot

**Intention** Celebrating / Educating / Enjoying / Exchanging / Experimenting / Gathering / Raising awareness / Reclaiming

**Action** Cooking food / Eating food / Recycling food / Serving food / Sharing food