

**DESIS**  
**NETWORK**  
Design for  
Social Innovation  
and Sustainability

**AS.IN.O**

Selargius



universidade  
de aveiro

**Universidade de Aveiro -**

Design para a Inovação Social

Rosa Coppi - 105650

**“AS.I.NO” created  
by under 35 years designers  
from the Aut-Aut studio.  
2015.**

**This project is developed in an area of about 6650 square meters, that must host a new kindergarten and a botanical garden to serve both asylum and citizenship.**

**The idea is to create a "healthy and welcoming" school" a cultural center surrounded by green.**



**The heart of the entire building is the agora, the didactic garden, which is a dynamic and flexible environment that allows you to maintain constant visual continuity between the outside and the inside. This space is configured as a place for exchange and social interaction, but is also near the canteen and can become a multifunctional space.**

**The project refuge in traditional local architecture: characterized by a building suitably positioned within the lot in order to obtain two distinct courtyards: the first, public, on the front, towards the entrance; the second, private, intended to house the garden.**

**In this kindergarten case, the first courtyard coincides with the botanical garden while the second courtyard corresponds to the educational garden for children.**



# Governance and Policy Making



**Healthy**

**Welcoming**

In 2015, with law 107 "The good school", 350 million euros were allocated for the renewal of the national school building stock; to this end, the following year, the MIUR (Ministry of Education, University and Research) announces an international ideas competition for the design of 51 schools in various regions of Italy. In Selargius, Cagliari, they decided to host a new kindergarten and a botanical garden at the service of both kindergarten and citizenship to create a "healthy and welcoming" school, "a cultural center surrounded by green".

# Activism and Civic Participation



**Gardens**

The kindergarten is not only dedicated to children and people who work at school, because beside the educational garden it offers a botanical garden open to the rest of the citizens because it's located in the entrance of the building.



# Social Interactions and Relations



**Rotation & strengthening  
Outdoor educational activities**

The new kindergarten can accommodate a total of 140 pupils aged between 3 and 6, divided into 5 sections, for a maximum number of 28 pupils per section. In full compliance with the functional program reported in the DPP, the project of AS.IN.O. provides: a classroom for each section plus a sixth defined "rotation and strengthening"; staff room, each with relative services; dining room with kitchen area and other serving areas; areas equipped for outdoor sports and educational activities; the botanical garden.



# City and Environmental Planning

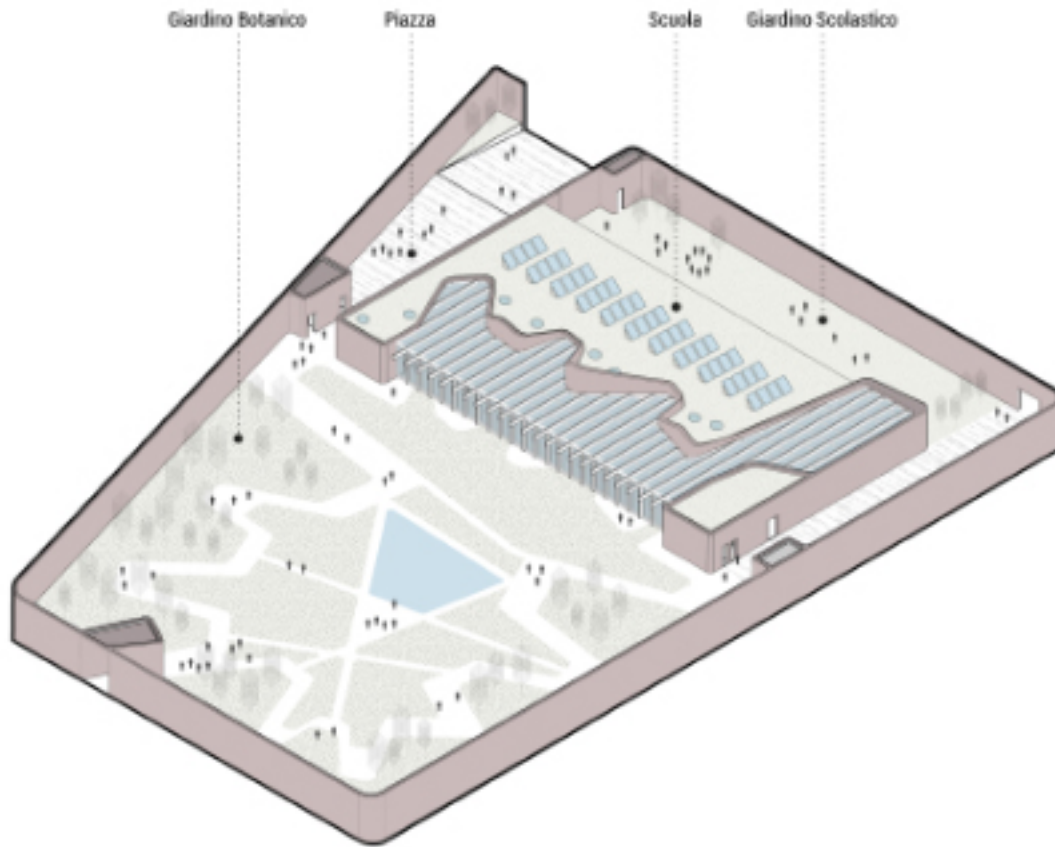


**Tradition**

**Sustainability**

The project sees the prevalent use of a traditional Sardinian material such as raw earth, of great didactic-pedagogical value, but also economic material, easy to use and with high thermal performance. Again with a view to sustainability and energy saving, the recovery of rainwater is fundamental carried out by the small lake in the center of the botanical garden.

# Production, Distribution and Consumption

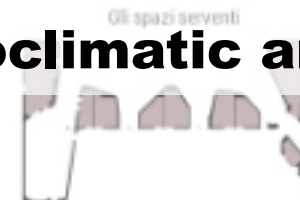


## SUDDIVISIONE FUNZIONALE



**Renewable sources**

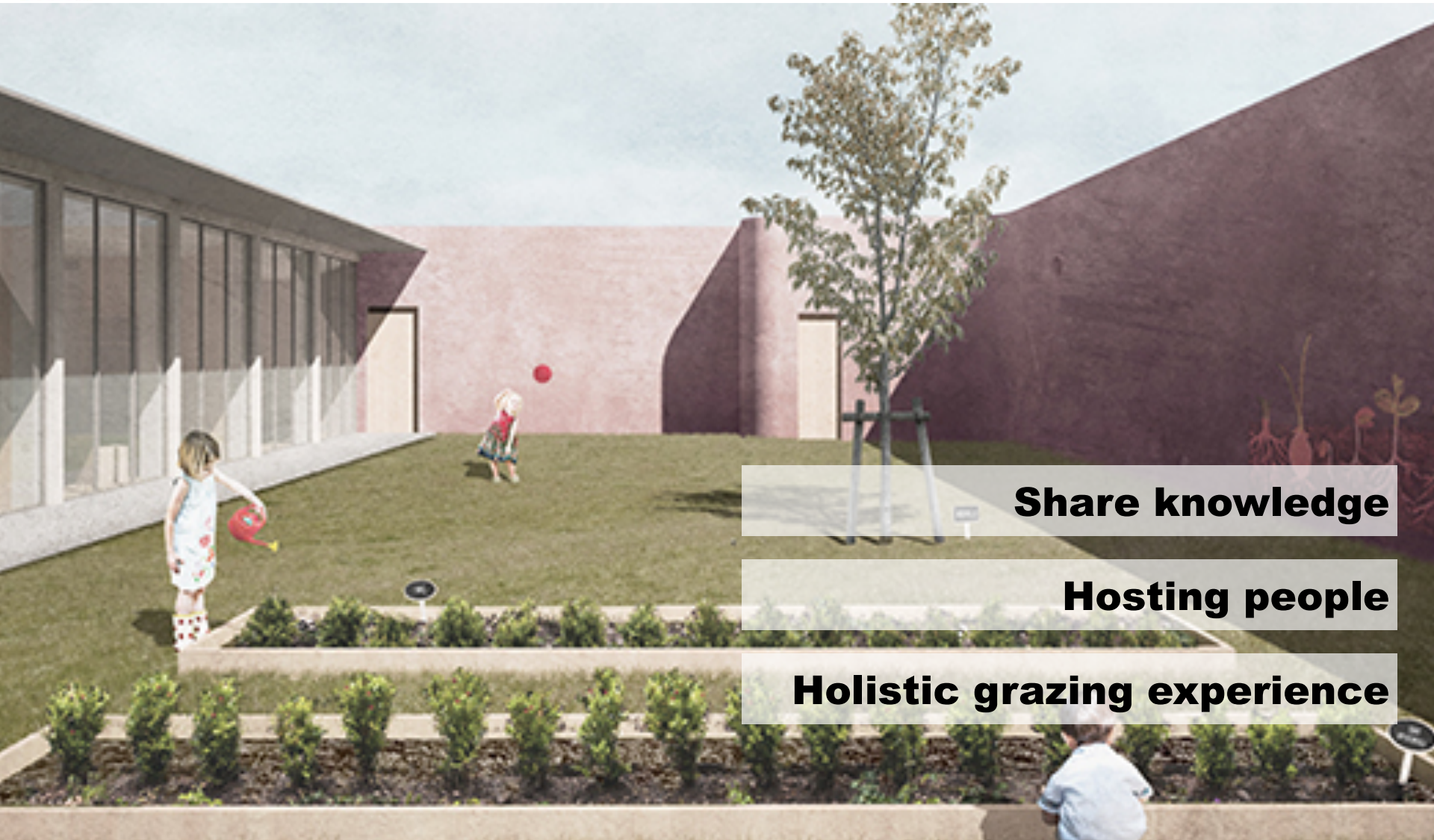
**Bioclimatic architecture**



In addition to the solar greenhouse, the sunshades and the ventilation system, other passive solar systems have been adopted such as the garden roof planted with sedum, low-emission glass and thermal insulation using natural materials. The Aut-Aut study also provided for the supply from renewable sources through the use of geothermal probes for heating and the use of hybrid solar panels (active solar systems). The goal is to create a building that follows the principles of bioclimatic architecture, capable of minimizing emissions, energy consumption and therefore management costs.



# Skill Training and Design Education



**Share knowledge**

**Hosting people**

**Holistic grazing experience**

From a formal point of view, the educational garden has characteristics similar to the hortus conclusus, the medieval garden surrounded by high walls in which the monks cultivated medicinal plants; the will of the Aut-Aut designers is to recreate the charm of mystery that once characterized those places and to make the new generations grow knowing and understanding the importance of nature.

# Job Creation



**Community of people**

**Provide services**

Within this school, in addition to teachers and school staff, many figures related to the maintenance of the structure could be inserted but also specialists in the field of cultivation or educators who could hold workshops for children, in the educational garden, and for the rest of the community in the botanical garden.



# Storytelling and Visualisation



**Strong network**

**Attractive pictures**

The idea that moves the whole project is very strong and the architecture of the building itself is the one that represents the soul of the project itself. Every part of the Kindergarten communicates the care from the nature love to the importance of local and sustainable materials. The school is the vehicle of the idea that is behind the project.

<https://www.architetturaecosostenibile.it/architettura/progetti/as-in-o-asilo-orto-109>

**AS.IN.O**

Selargius, Cagliari, Sardegna