

#Agronautas RUrban Station Reykjavik

Pezestudio

with Hekla Flokandottir and Laugardalur og Háaleiti Reykjavik

2014 / Reykjavik / Iceland

Realization of Urban Ecological Infrastructure in Reykjavik

RUrban Station Reykjavik was three-week Open Laboratory on Ecological Infrastructures in Iceland. During this time bio-constructive environments and processes were developed that revelled in the collaboratively designed and self-constructed structures and ecological equipment adapted to the unique island environment.

Agronautas invites the citizens of Reykjavik to participate in a public workshop to design and build ecological community infrastructures. The project promotes the relationship between the inhabitants, urban cultivation, and self-sufficiency, in a function of citizen laboratory that could be replicated in different districts in the city corresponding to the Municipal Plan of the City Council 2010-2030. It is also considered as the collaboration between three entities: Grasagardur, Laugargardur and Dalheimar School. The project proposes construction of an ecological infrastructure in a nearby area that facilitates the development of ecological gastronomy workshops and small events with integrated systems to minimize resources and energy consumption.

During the workshop RUrban Station is designed and built: a space of two mobile modules which include work tables of different heights (for children and adults) and integrated cooking systems of minimal energy consumption. It works on the principle of retained heat cooking system, a technique that saves up to 90% of the energy when cooking and by taking advantage of the accumulated heat during previous brief cooking of the



food. The elaboration process ends in a thermally insulated container without any more energy consumption. A rocket stove is built as a system of the complete combustion of the fuel (biomass), that means that it needs a minimum fuel and does not produce smoke; The rocket stove is made with reused materials. As a complement, we build, a fixed heat retention cooker: wooden box insulated with local shee...

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 Community Space / Garden / Periurban / Vacant plot

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

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