

**Interactivos?' 18:**  
**Rural Technosphere**  
**Rethinking country life**

**Silo - Arte e Latitude rural** presents

**Interactivos?'18: Rural Technosphere-Rethinking Life in the  
Countryside**

6 proposals were selected to be developed with the contribution of collaborators in a rural laboratory located in Serrinha do Alambari - RJ - Brazil, from **June 14 to June 28, 2018**.

Until **May 15**, professionals from different fields can submit proposals to collaborate with those projects.

The selected collaborators will receive lodging and food for the duration of the event.

**See below for the selected projects.**

**And sign up as a collaborator [here](#).**

**For questions or problems with the form, email:**  
**[interactivos@silo.org.br](mailto:interactivos@silo.org.br)**

**S i l o**

## INTERNATIONAL CALL

### **Interactivos?'18 : Rural Technosphere Rethinking country life**

#### **CONTEXT**

**Interactivos?** is a laboratory for development of projects in a collaborative way. This edition has as theme the rural technosphere and its environmental infrastructures.

In geography, the technological layer that is produced by human intervention in the lithosphere, atmosphere, hydrosphere and terrestrial biosphere is called technosphere. So what types of interventions can be done in the rural sphere considering the sustainable development of populations and respecting the needs of the environment?

Encouraging the intersection of popular, scientific, technical and artistic knowledges, this edition of **Interactivos?'18**, named **Rural Technosphere**, wishes to receive projects that explore propositions or solutions related to the problems we face in the countryside, especially those that are attentive to ecological and social issues.

After about four decades of agro-industrial activity, what do we know about the rural universe and what knowledge can be generated from it? This is intended to be an open space for the creation of ecological infrastructures in the rural environment considering bioarchitecture, agroecological crops, communication, transport systems, drainage systems, education, science, art and everything else that has an intersection with the rural space.

#### **CONDITIONS**

To the collaborators of the laboratory we offer: lodging, food; work environment with tools and internet connection; collective spaces for meetings; tutors and technicians to assist in the development of the projects, as well as theoretical, aesthetic and conceptual support.

## **METHODOLOGY**

This work methodology aims to be a platform for research, production and collective learning that starts from the development of the selected projects. 5 Proposals will be selected to be developed in multidisciplinary groups composed by the project proponents and up to 5 collaborators, with the advice of tutors (if necessary), in this case aiming at concept, technique, methodologies and mediations. The call for collaborators will be launched after the selection of the projects. Each working group should think about having a prototype of their idea at the end of the process.

One of the key objectives of the program is to foster the development, dissemination and free access to networks of collaboration and knowledge.

## PROJECTS

- **LAB DE FERTILIZACIÓN A BASE DE BIOFERTILIZANTES**

**ANDRES MAURICIO MONCAYO MONCAYO | Chachagüi, Nariño, Colombia.**



Creation of a small laboratory for the cultivation of biofertilizers: liquid fertilizers with a lot of balanced energy and minerals prepared from fresh manure, dissolved in water and enriched with milk and molasses, fermented in plastic tanks, under an anaerobic system and enriched with mineral salts such as sulfates of magnesium, zinc, copper, etc. We also aim to manufacture Ajidol (which is an organic product that has insecticidal effects), Ash Broth (natural Fungicide), and develop efficient microorganisms to make manure tea and biostimulants with aloe vera.

### **Profile for Collaborators:**

People who work in the fields, coffee growers, people who have home gardens or other crops, professionals in agricultural technology, people who have knowledge in hydroponics.

- **NGUARA - GUIDE TO THE CONSTRUCTION OF ANIMAL AND HUMAN COVERINGS**

**DANIEL DA SILVA ALMEIDA, TOMMI EDNARDO DA COSTA E GABRIELA DI  
SESSA | Resende, Rio de Janeiro, Brasil**



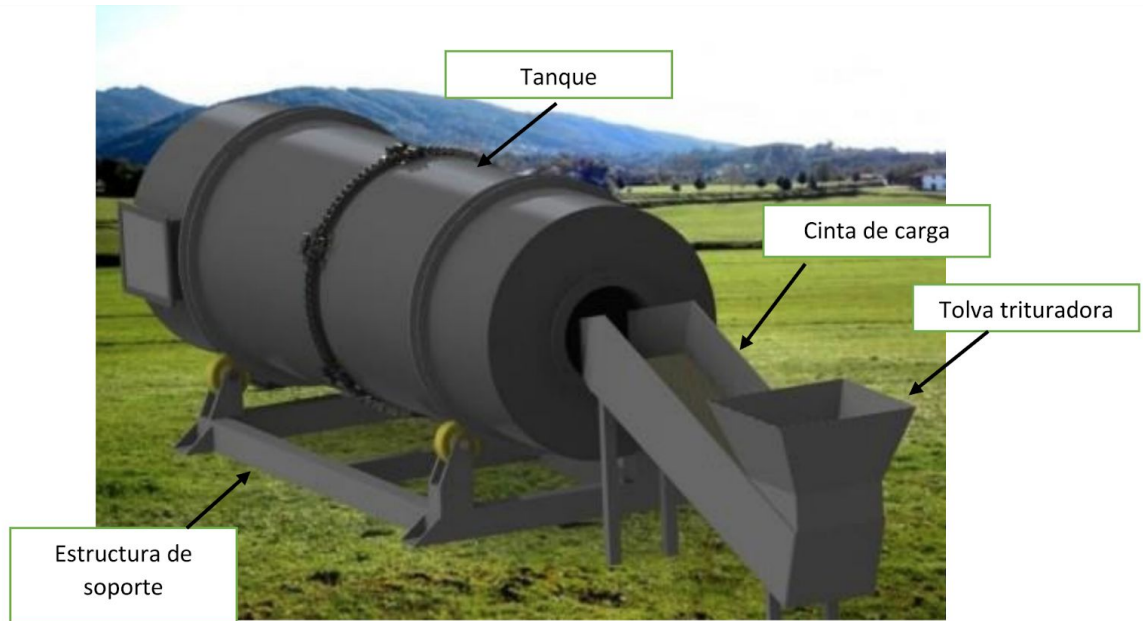
Elaboration of a manual outlining practical solutions for human settlements or animal shelters using ancestral techniques (such as Nguara Puris) and contemporary techniques (biodynamics, permaculture, syntropy) emphasizing the use of natural materials like bamboo. The goal is to compile technologies that may be useful in creating these shelters and group them together in a guide to encourage the use of sustainable technologies for the creation of rural human settlements. As a prototype we will develop something like a chicken coop and a small temporary shelter.

**Profile for Collaborators:**

Production engineers or material engineers; Designers with experience in the use of natural material; Bioconstructors or architects with experience in the use of bamboo; Woodworkers; Representatives of ancestral communities (mainly Puri Indians); Permaculturists; Illustrators; Graphic designers; Content Editors; Photographers.

- **FULL COMPOST**

**OSCAR BRACAMONTE | Santa Fé, Argentina**



Construction of an efficient compost system for rapid and uniform decomposition, with great economies of scale, rapid transformation of waste into economic income, capable of transforming a great variety of waste into compost. The objective is to build a device that requires less space, time and that can also treat any organic waste.

**Profile for Collaborators:**

Professionals with knowledge in mechanics or electromechanics, welding, chemist technicians or chemical engineers, students, permaculture specialists and enthusiasts..



- **PROJETO GERMINAÇÃO**

**ANDRÉIA PREVIATO BOTELHO, | Santos, São Paulo , Brasil**



Implementation of agroforestry micro modules using techniques such as hugelkulture and mulching with the objective of developing possible low-cost low-maintenance alternatives for agriculture, collaborating for forest enrichment, valuing the oral tradition, supporting food security and variety by implementing planned planting systems with fruit, herbal and native species of the region.

**Profile for Collaborators:**

Engineers; students or people interested in agroecology, agroforestry, permaculture, biodynamics, planting in rural areas and food production; design professionals; audiovisual producers; people who enjoy manual labor.

- **FERMENTADOS | COZINHA NÔMADE**

**DANIELA SERRUYA KOHN | Belo Horizonte, Minas Gerais, Brasil**



Create a Food and Beverage Fermentation Station by exchanging experiments and techniques through the cultivation, care and observation of the microbiomes of the food in the fermentation process. Work with the transformation of surpluses of unconventional vegetables and herbs into medicinal foods and artisan probiotics . As a result we will make an online publication with recipes based on fermentation.

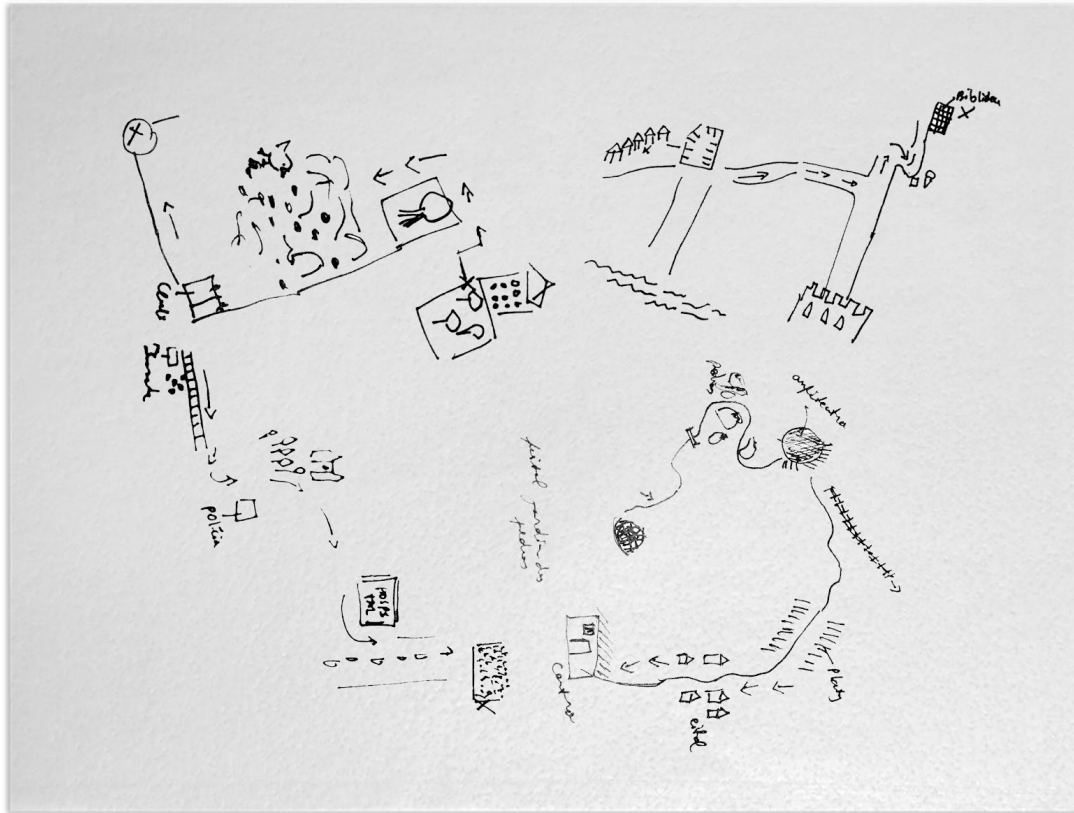
**Profile for Collaborators:**

Farmers, cooks, artists, carpenters, biologists, students, food engineers, Serrinha residents, illustrators, web designers, and others interested in research.



- ROTA-MNESIS

**ANA HENRIQUES BROTAS | Lisboa, Portugal**



Since memories influence our perception of space, how is this process translated into a depiction?

Investigation of the intrinsic need to make and use maps in a rural iconographic reality, deeply intertwined with memory. Through a participatory and community-engaged methodology, this project intends to potentiate a pictorial language of spatial representation based on the empirical exploration of the local pedestrian routes.

### Profile for Collaborators:

People with experience or interest in a community and collaborative methodology. People with cartographic knowledge (technological-scientific notions); knowledge in the pictorial representation of space; knowledge of painting and drawing (of aesthetics, color, composition, techniques).

## **BACKGROUND**

The model of this program is based on the methodology developed by Medialab-Prado, a center for arts and technology based in Madrid, Spain. Since 2006, Interactivos'?' proposes an interactive model of learning that surpasses the typical hierarchical dynamics established in the teacher/student relationship. The name refers to a questioning of the idea of interactivity while proposing the collective creation and use of open tools in an environment in which participants can both learn and teach.

## **WHERE**

**Interactivos'?' 18 - Rural Technosphere** will take place in Serrinha do Alambari, located in the municipality of Resende, in Rio de Janeiro State.

Serrinha do Alambari is an integral part of an an APA (Environmental Protection Area), situated in the municipal area of Resende, in the state of Rio de Janeiro, on the eastern slopes of Itatiaia National Park. This area is peculiar for being a rural and environmental protection area. Serrinha has around 1,000 inhabitants, with small and medium-scale industries, commerce and tourism. The Environmental Protection Area of Serrinha do Alambari encompasses the communities of Serrinha and Capelinha, protecting the high part of the micro basins of the Alambari and Pirapitinga rivers. Its total area is 4,500 hectares.

## **SILO**

We are a Civil Society Organisation of Public Interest dedicated to fostering and publicising cultural projects in rural regions, with the aim of bringing about transdisciplinary exchange between different areas – above all art, the sciences and technologies – and stimulating exchange between intuitive techniques and scientific knowledge.

**SUPPORT:** Ford Foundation

**PARTNERSHIP:** Crescente Fértil and Lilo.zone

**CONTACT:** [interactivos@silos.org.br](mailto:interactivos@silos.org.br)

