



LABEX DRIIHM 2022 CALL FOR PROPOSALS

OHMI Pima County

1 – CONTEXT

The Pima County Human-Environment observatory (OHM Pima County) was created January 1st, 2014 by the Institute for Ecology and the Environment and the Institute for Human and Social Science of the French National Center for Scientific Research (CNRS). It is part of the network of observatories participating to the DRIIHM Laboratory of Excellency (<https://www.driihm.fr/>) funded by CNRS and the French National Research Agency (ANR). The Human-Environment observatories' mission is to promote and organize scientific research around specific places characterized by long-established socio-environmental systems which come to be perturbed by new dynamics which impose ecological, social and spatial reconfigurations.

In this context, the OHM Pima County aims at contributing to the emergence of interdisciplinary projects that can respond new challenges in the human-environment interactions research frontier. It also wishes to encourage the valorization of research results to the greater public and interactions between research and civil society in all its forms. Last, the OHM Pima County acts as a catalyzer for environmental and social data collection and the organization of such information in databases which make their diffusion, mutualization and perennation possible according to the legal and technical norms in vigor.

Placed under the iGLOBES international research laboratory, a joint CNRS-University of Arizona research unit located in Tucson, Arizona, the OHM Pima County looks at the upper valley of the Santa Cruz river, corresponding mainly to the Pima County. Historically, this has been developed through a series of economic cycles which common characteristic is that they relied on the use or extraction of natural resources: pasture for extensive cattle ranching, minerals for mines, water for irrigated agriculture and even space for urban development. These dynamics have however been increasingly challenged for four decades by a paradigmatic change in which landscape and natural resources protection is growing increasingly important. This change prompted the adoption of new policies – regarding water management, for instance -, and the questioning of some activities leading to environmental conflicts – around the Rosemont mine project, for example -, while older trends continued to play – like urban extension despite open-spaces protection measures, for instance -, leading to an increasingly complex spatial and social configuration.

In front of this situation, the OHM Pima County looks at the effects of these contradictory dynamics on the current socio-ecosystem of the upper Santa Cruz valley. It also analyzes the effects of human behaviors and activities on local ecosystems and favors local initiatives aiming at measuring changes and raise awareness among the population and stakeholders about the stakes of environmental management.

2 - OBJECTIVES OF THE OHM PIMA COUNTY

- To develop a multidisciplinary analysis framework.
- To contribute to the production of knowledge about the human/environment relationship in the upper Santa Cruz valley.
- To engage local stakeholders and to foster education actions.
- To establish connexions with other observatories of the DRIIHM network about issues such as mining, Indigenous populations, land use and land management, etc.

3 – ELIGIBLE TOPICS

The OHM Pima County wishes to select projects about the following topics:

- Hydrologic modeling about the Santa Cruz river in general and the Rosemont/Santa Rita mountains in particular.
- Potential contaminants linked with mining activity transport and exposure risks for local population.
- The role of open science and science divulgation for citizen information and the stakes related to environmental education, and their consequences in terms of public policy.
- The history of land use and land management, and environmental conflicts in Southeastern Arizona, in the context of the historical transformations of the US West.
- Exploration of the environment/health relationship in the Pima county area: emergence of new pathogens, epidemiologic risks, population diversity in relation to risks, effect of the international border in relation to epidemiologic risks, adaptation of human behaviors in relation to specific risks, links between epidemiologic risks and climate change, etc.
- Explorations of specific aspects of the Human/environment relationship in the upper Santa Cruz valley such as: animal and vegetal populations response to perturbation and change, environmental evaluation using innovative techniques (soundscapes), new social and economic postures and behaviors in relation to the environment, etc.

4 – PROPOSALS' FUNDING

Funding for the proposals can be comprised between 2,000 and 10,000 € for individual or small-scale projects and up to 25,000 € for larger projects including several topics or proposing a large interface with civil society.

The funding must be principally allocated to support fieldwork, visits by researchers, and stipend of US or French students that make their participation to data collection or interaction with

stakeholders possible. Acquisition of equipment must be limited to those which are absolutely indispensable for the realization of the project.

Funding can be managed by iGLOBES at CNRS in France or from its accounts at the University of Arizona in function of the nature of the spending and the administrative requirements.

The projects to be submitted can be focused only on the OHM Pima County or imply several members of the DRIIHM network. In this case, the budget repartition between each observatory must be clarified.

Proposals will be evaluated and ranked by the OHM Pima County directing council after the closure of the call. Results will be divulgated to PI as soon as possible afterwards.

5 - MODALITES DE PRESENTATION DES PROJETS

Proposals' submission is to be done on the DRIIHM website after registering on it: <https://www.driihm.fr/>

Details about the procedure are found on the 3.2 paragraph of the general presentation of the call.

Proposants can join any document they deem necessary for the evaluation of their proposal.

Proposants must inform the OHM director of their intention to submit a proposal (see contact after section 6).

6 - TIMELINE

Call deadline : **December 5, 2021** (midnight Paris time)

Results divulgation : **January 2022**

Funding availability: **February-March, 2022**

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