# DINARIO

# Development of a conceptual model for an integrated research project in Rio de Janeiro state, Brazil





## **General overview of the project**

#### Climate change, landscape dynamics, land use and natural resources in the Atlantic Forest of Rio de Janeiro (DINARIO)

The DINARIO project focuses on the development of sustainable land use strategies in the Serra dos Órgãos region which support nature conservation efforts by improving forest connectivity and likewise enable a balanced economic development.

#### The semester project

The semester project is embedded into the DINARIO project. It's aim is to be a part of the process to prevent further biodiversity loss in Serra dos Órgáos region. The problem of biodiversity loss in the region includes complex dynamics between the different components of the ecosystem and the socioeconomic aspects. This problem should be analyzed with an interdisciplinary approach in order to have a more detail understanding of the different interrelationships.

DINARIO is funded by the Federal Ministry of Education and Research (BMBF) and the Brazilian Agricultural Research Corporation (EMBRAPA). The implementing institutions are CUAS/ITT in cooperation with University of Bonn, University of Leipzig and Friedrich-Schiller-University of Jena.

Area Selection **Conceptual Model** Indicators **Group meeting** Intensive group meetings help the members to share their views and ideas, and was one of the key elements of monitoring and evaluation of the project. Datin

### **Speed dating**

After intensive literature review the members meet pairwise to discuss the possible interrelation among the different disciplines.

Interdisciplinary of the pater Movie lifeary INAR leptual model			
	<b>GEOLOGY &amp; CLIMATE</b>		
AGRICULTURAL BIODIVERSITY	NATURAL BIODIVERSITY	NON-AGRICULTURAL BIODIVERSITY	LEGEND



**Objective:** 

cooperation."

"Development of a

conceptual model for the

focus on interdisciplinary

**DINARIO** project with



#### **Model Concept**

The interdisciplinary conceptual model is divided into three major parts, agriculture (light yellow), natural (light green) and non-agricultural biodiversity (gray). The big black arrows on the model represent interrelationships between disciplines, the red dotted arrows represent specific influences between disciplines and the small black dotted arrows represent influences within the disciplines.







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