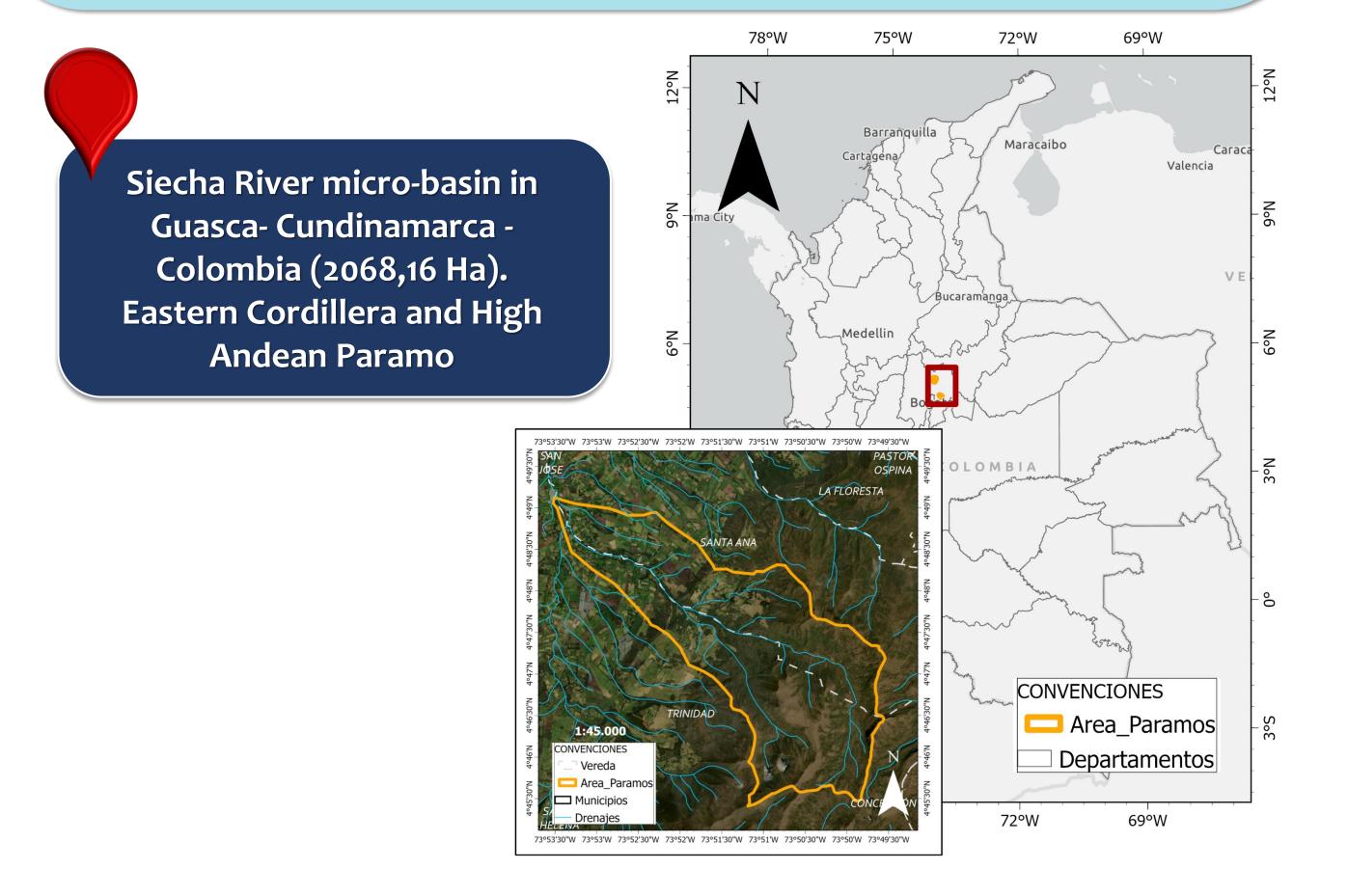
## MULTICRITERIA ANALYSIS TO OPERATIONALIZE AGRI-FOOD SYSTEMS SUSTEINABILITY TRANSITIONS IN THE WEF-BIODIVERSITY NEXUS

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#### 1. INTRODUCTION

Agroecological efficiency in natural resources use and access equally conservation and enhancement of supporting, regulating, and cultural ecosystem services have been identified as central challenges for agri-food systems in Colombia.



# 2. MATERIALS AND METHODS

Three methodological phases were developed through a multicriteria spatial analysis using the ArcGIS Pro software and Corine Land Cover methodology in 2022 based on available cartographic information in Colombia:







Landscape prioritization based on the identification of criteria. (11)



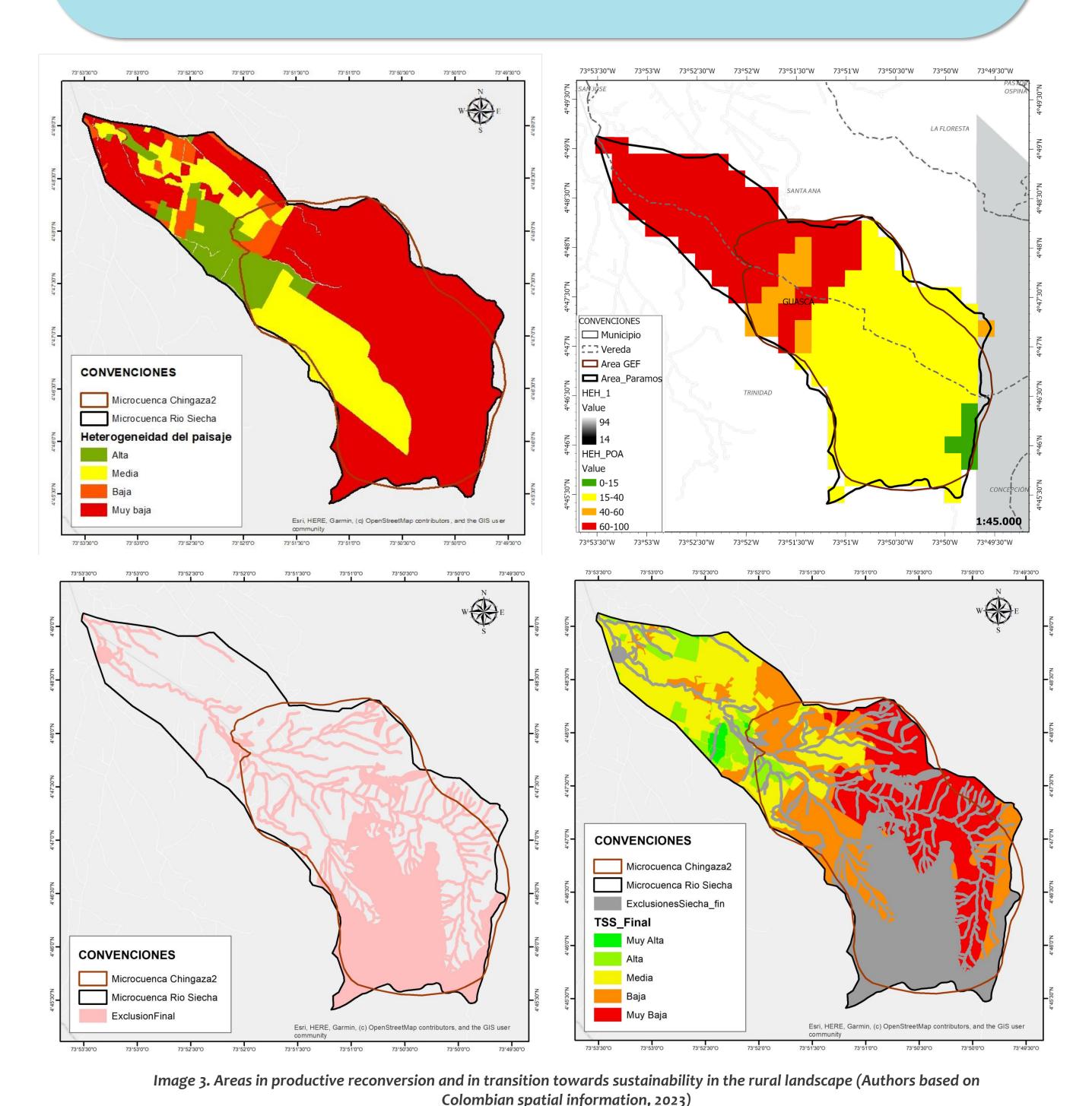
Selection of areas in transition towards the sustainability of agri-food systems in rural landscapes

(7)

Image 2. Three methodological phases were developed through a multicriteria spatial analysis (Authors, 2023)

### 3. RESULTS

In the Siecha landscape, the majority of land uses/covers may have a high compatibility or relationship with agricultural uses. A greater part of its area is excluded (42.94%) because it is located in the paramo ecosystem.



Colombian Spatial Injormation, 2023)

### 4.CONCLUTIONS

- The spatial indicator of priority areas for productive reconversion is an important tool that allows supporting and scaling the socio-ecological transition towards sustainability in agricultural systems.
- Multi-criteria analysis supports decisionmaking in the context of multiple spheres (multi-actor), the multifunctionality of the landscape and management of nature.









