

# Research topic: Eco-efficiency analysis of different urban agriculture systems in a Latin American metropolis.

Research line: Urban agriculture

Research group: CIS - ICTA

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Urban agriculture has significantly increased in Latin America over the last few years. In general, many studies on urban agriculture's environmental impacts and social benefits have been developed. However, the eco-efficiency of the systems and their relationship with the household economy have not yet been studied. For this reason, this research aims to analyze eco-efficiency by looking in depth at the environmental impacts and their relationship with the household economy, yields, and types of products grown. This information will be available for research.

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**Main aim: To analyze the eco-efficiency of different urban agriculture systems of Santiago, Chile.**

## MAIN TASKS:

- To analyse surveys of UA systems in Santiago, Chile.
- To determine the life cycle environmental impacts of urban agriculture systems using the SimaPro LCA software
- To compare the eco-efficiency of the different urban agriculture systems in Santiago, Chile