

Research topic: Analyzing the water and energy metabolism of education

- Research line: Sustainability modelling for the ecological transition
- Research group: Sostenipra

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Supervisors:

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The use of **water and energy and waste generation in schools is not very well known due to issues with data gathering**. Still, knowing this would not only allow the centers to change to more sustainable patterns but also will increase the awareness of children about environmental impacts of our daily activities.

In this thesis, the student will work in the on-campus school. They will collect data, analyze metabolic patterns and related environmental impacts.

The student will work within CARE, a **EU funded citizen science project** where we codevelop an assessment of the water and Energy metabolic patterns to help children understand better the relation between resource use and environmental impacts

Main goal: Analyze water and energy use patterns in children and the potential for improvement

MAIN TASKS:

- 1) Literature review about water and energy use in schools
- 2) Collecting data at the school, some times with the support of children
- 3) Analysing patterns of water and energy use
- 4) Studying their environmental impacts
- 5) Write a peer-review paper for submission in a peer-review journal.