

Ashleigh Sewell  
CDAE

## Ecosystem Service Benefits and Implementation Costs of Agroforestry: A Scale Analysis in Santa Catarina, Brazil

The purpose of this project is to compare the costs of implementing agroecological projects in Santa Catarina with the benefits these investments generate at different spatial and temporal scales. The costs are expected to be mostly in the form of labor to carry out agricultural, educational and administrative tasks (or wages to hire that labor). The benefits are expected to be in the form of increased ecosystem services and agricultural income. The anticipated outcome of this analysis will be to identify spatial congruities in benefits created by the projects and the areas or people represented by existing institutions. Ultimately the aim is recruiting funding for the projects via the most relevant institution. That is, on one end of the spatial spectrum, local benefits will be paid for with local funds and, on the other end, global benefits will be paid for with globally raised funds.