

A project funded by ADEME, REACCTIF program

REACCTIF: REcherche sur l'Atténuation du Changement Climatique par l'agriculture et la Forêt

Project approach and objective

- To review the methodologies used in LCA to account for the impacts of land use and land use change on soil organic carbon and links with climate change impact.
- To test the feasibility and sensitivity of these methodologies regarding the LCA modelling of various agricultural systems

In order to conclude on best available methodologies and remaining challenges.

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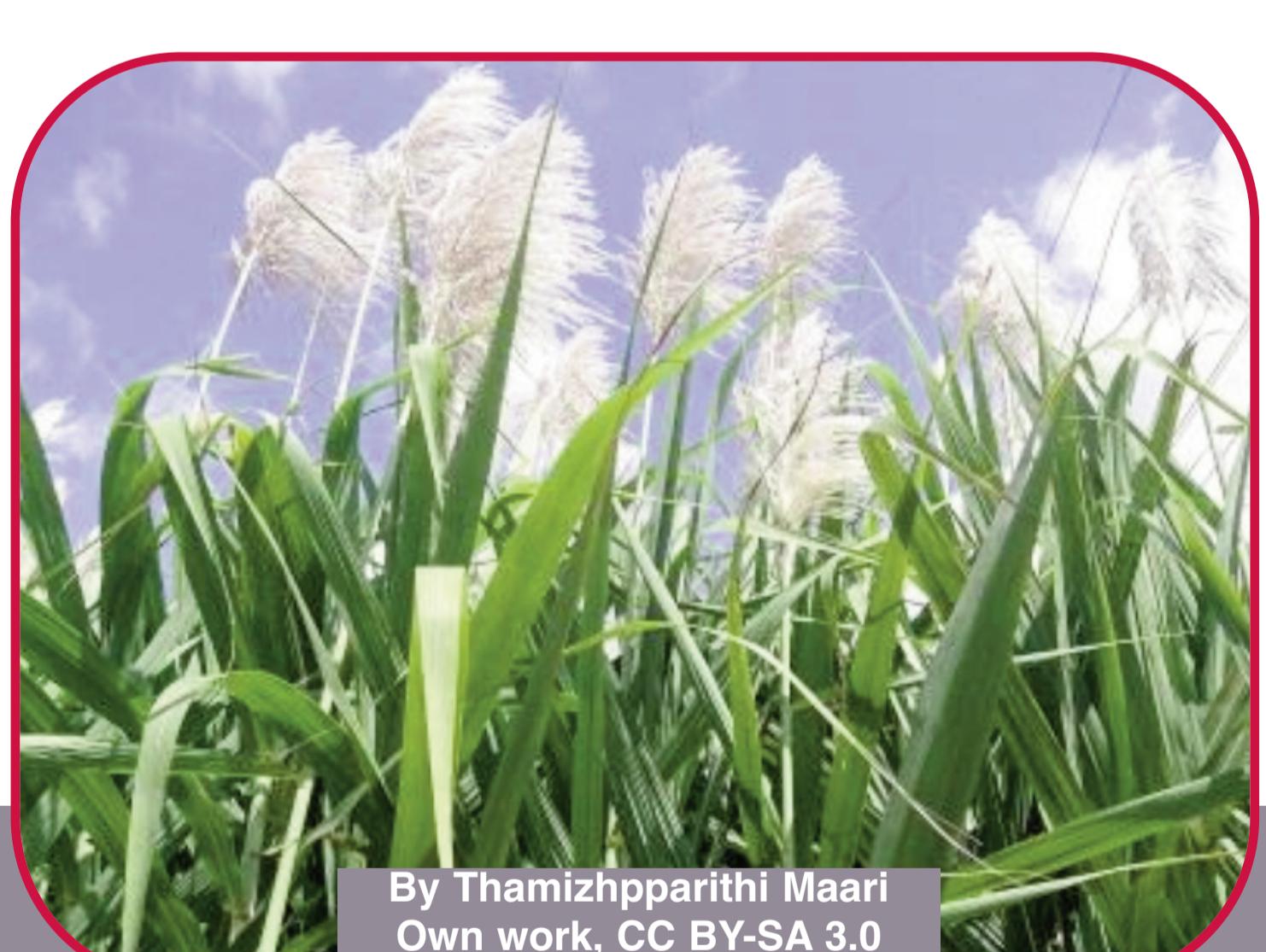
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The research team and tested agricultural chains

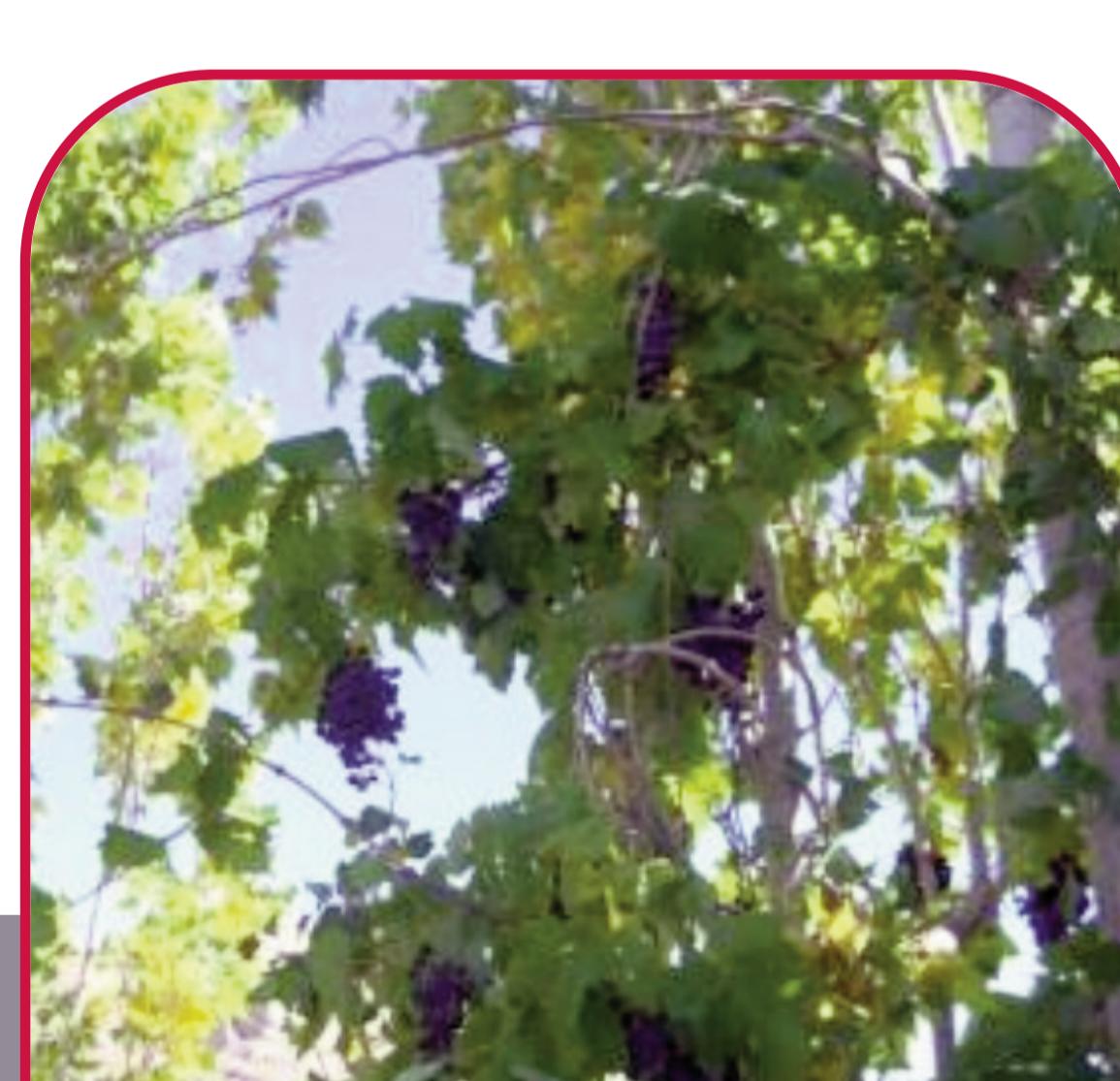
- The research team involved senior scientists from research and technical institutes: Cirad, Arvalis – Institut du végétal, Agro-Transfert Ressources et Territoires, Idele – Institut de l'élevage.
- In order to test the methodologies in contrasted agricultural contexts, we selected both temperate and tropical, annual and perennial crops, as well as livestock products:



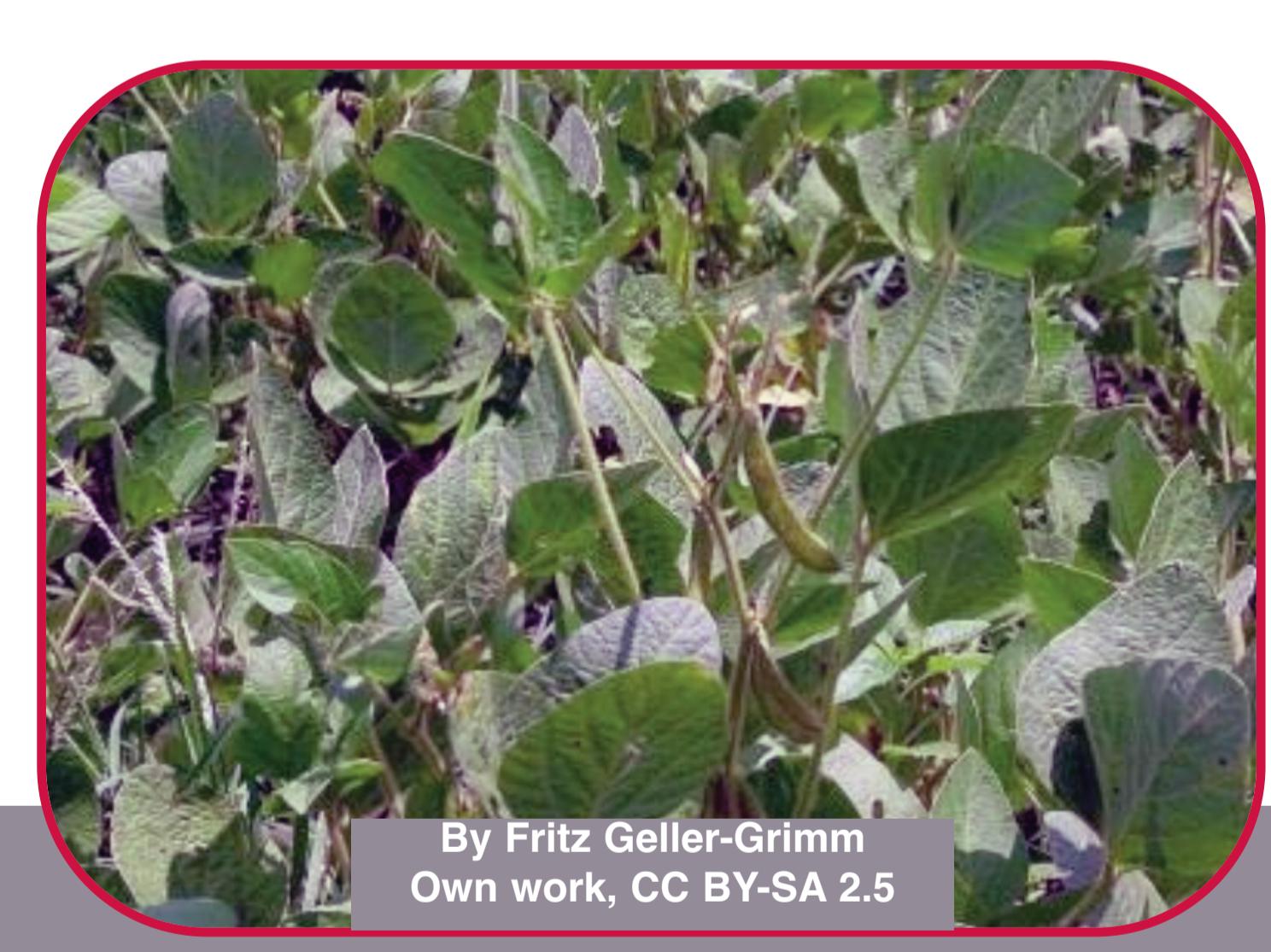
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- Maize • Wheat • Soybean
- Sugar cane • Cow milk • Beef meat • Grape



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