

Our seminars



SUMMARY

13/03/2025 – **The Validation of an Economic Model with Stakeholders: Insights from the Talanoa Water Project.**

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The Talanoa Water project aims to explore transformative adaptation strategies in response to water scarcity in the Aude River Basin in the context of climate change, combining a participatory approach with integrated hydro-agro-economic modeling. Within this framework, an economic model based on the Positive Mathematical Programming (PMP) approach has been developed. This model represents agricultural holdings' resource allocation decisions (land and water) based on constraints related to these resources. To discuss how this model can be adapted to the Aude Basin, a participatory workshop was organized to debate its construction, assumptions, and responses to different scenarios. A collective exercise, focusing on three differentiated types of farms, facilitated exchanges between researchers and local stakeholders.

This presentation aims to share the lessons learned from these discussions, foster reflection on the methodology, and outline future research directions. It raises several questions: How can the validity of an economic model be ensured in relation to stakeholders? What are its limitations? More broadly, it invites reflection on how microeconomic models can support public policies and become decision-support tools.