



# IAERE

Italian Association of Environmental  
and Resource Economists

## IAERE10 Tour

9 November 2022, 13:00 - 14:00

**Organizers:** Vincenzo Prete, Giuseppe Maggio

**Venue:** Department of Law of University of Palermo, Via Maqueda,  
172, 90134 Palermo

**Speaker:** Sabrina Auci

**Title:** The Adoption Determinants of Climate-Smart Production Practices and their Impacts on Farm Outcome in Uganda.

**Abstract:** Agricultural production in many Sub-Saharan African countries is severely affected by increasing rainfall and temperature variability, and the frequency of extreme weather events. The adoption of climate-smart production practices is relevant for a household's adaptive capacity. Our contribution is to analyze how a farmer effectively tackles the pressures on ecosystems exerted by climate change by jointly adopting multiple practices (CSA) in a panel dataset. First, we exploit the potential benefit of complementarity and substitutability between agricultural practices to cope with an increasingly complex farming system by applying a CRE multivariate probit model. Then, we estimate the effect of CSA adoption on farmers' welfare by performing a dynamic treatment effect analysis. The main findings suggest that CSA practices should be supported by policy makers since they have a positive effect on the farmer's welfare in the short and medium term.

## Hybrid seminar:

<https://teams.microsoft.com/l/team/19%3a13vJbRsXJsvtuKy79XbJLdwm9JQzEBnmfLVKGJaEiNk1%40thread.tacv2/conversations?groupId=ae81327e-f2b6-443d-856f-e5c8baa4d7c7&tenantId=bf17c3fc-3ccd-4f1e-8546-88fa851bad99>