

EAAE Webinar 7

Replication and open science: Where does the agricultural economics profession stand?

Date: 27 September 2021

Time: 5.00 pm – 6.30 pm

Chair: Jutta Roosen, President EAAE, Technical University of Munich

Moderator: Attila Jambor, Corvinus University of Budapest

Panelist:

- Robert Finger, ETH Zurich
- Iain Fraser, editor Q Open, University of Kent
- Arne Henningsen, University Copenhagen
- Carola Grebitus, Arizona State University
- Tom Hertel, Purdue University
- Wuyang Hu, editor CJAE, The Ohio State University
- Anna Josephson, University of Arizona

In this webinar, the panel will discuss new developments in the open science movement as it affects the agricultural and applied economics profession. Replication, pre-analysis plans, experimental pre-registration, data and analysis code publications and open access strive to make results more robust. Open research consortia such as GTAP or GLASSNET want to make research resources widely available. The panel will discuss current movements, their relevance for sound applied economics research and teaching young researchers.

The open science movement is an attempt to react to the replication crisis and increasing demands to make publicly funded research and data more widely available. The applied economics field is affected by this movement to a great extent. Funding agencies and journals are requiring increasing documentation of data and code, open access resources and publications. One aim of this is the possibility of study replication. Additionally, preregistration of experiments allows for a sound testing of hypotheses but may limit the opportunity for more exploratory research. Related to experimental pre-registration are pre-analysis plans where researchers describe more or less detailed their planned research including analysis strategies. While pre-registration has the goal to avoid the file-drawer problem which is related to significant results being published more often, one of the goals of pre-analysis plans is to avoid p-hacking, where researchers change modeling strategies as to receive significant results with the “right” sign. Finally, in an attempt to recognize contributions in terms of data, data journals have been appearing. These changes affect the way in which agricultural and applied economics research is done and how it is reported. It also determines new learning goals for Ph.D. students.

The objective of this webinar is to provide a platform to exchange experiences among agricultural economists with regards to the above mentioned strategies. The webinar will begin with brief statements by the panelists opening varying perspectives. Then a moderated discussion with the audience will follow.

[Here](#) is the link to register.