

Sponsoring Section: INTERNATIONAL
Co-sponsor Section(s), if any:

Session Organizer(s): William J. Burke (william@afpconsulting-burke.com) & Thom Jayne (jayne@msu.edu)
Session Title: Potential uses of soil quality information to inform major issues in development economics
Session Format: four presentations 2-3 presentations with discussants
 X panel discussion lightning presentations

Was this session also submitted as an Invited Paper session? Yes No

Session Description (140 words or less):

Soil quality underlies nearly every aspect of agricultural economics. This session gathers economists that have worked on measuring soil variability in combination with household survey data in several developing countries and who have studied soils in the context of range of topics, including the technical efficiency of fertilizer, farmer-to-farmer knowledge transmission, nutrition and health, the allocation of resources between men and women, and more. In a moderated conversation with each other and the audience, they will discuss frontier work integrating soil and behavioral data, and the potential insights that stand to emerge identifying viable resilience, extension, and sustainable intensification strategies. The panel and participants will discuss challenges related to measuring soil quality, how they have used these data alongside survey and other data, the key insights gained, innovative new applications, and reflect on open knowledge gaps and future research potential.

Potential Participants/Speakers (please copy headings if additional entries are needed):

Name, affiliation, e-mail: Leah Bevis, Assistant Professor, Agricultural, Environmental, and Development Economics, Ohio State University, bevis.16@osu.edu

Role: Presenter Discussant Panelist

Relevant on-going research:

“Soils and South Asian Stunting: Low soil zinc availability drives child stunting in Nepal” with K. Kim and D. Guerena.

Name, affiliation, e-mail: William Burke, Independent consultant, william@afpconsulting-burke.com

Role: Presenter Discussant Panelist

Relevant on-going research:

“An indepth examination of maize fertilizer response in Central Malawi reveals low profits and too many weeds” with S. Snapp and T. Jayne

Name, affiliation, e-mail: Hope Michelson, Assistant Professor, Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, hopecm@illinois.edu

Role: Presenter Discussant Panelist

Relevant on-going research:

“The Effect of Soil Information on Small Farmer Agricultural Investment and Productivity.” with A. Harou, M. Madajewicz, C. Palm and C.Magomba

Name, affiliation, e-mail: Takashi Yamano, Asia Development Bank, tyamano@adb.org

Role: Presenter Discussant Panelist

Relevant recent research:

“Optimal fertilizer use on maize production in East Africa.” with T. Matsumoto

Additional Participants

Name, affiliation, e-mail: Thom Jayne, University Foundation Professor, Department of Agricultural, Food and Resource Economics, Michigan State University, jayne@msu.edu

Role: Presenter Moderator Discussant Panelist