

Dear EAAE members,

This is the announcement of the 2<sup>nd</sup> EAAE Webinar of a series of webinars on topical issues in our profession. The maximum number of participants for the Webinar is 150. Registration is mandatory. [Here](#) you can register.

Alfons Oude Lansink  
Secretary General of the EAAE

## EAAE Webinar 2

### The nitrogen planet boundary: how economists could help?

**Date:** September 9, 2020  
**Time:** 14.00-16.00 (GMT+1)  
**Organiser:** Raja Chakir

Mineral nitrogen application in agriculture has large benefits as it was essential to raise crops and animals to feed increasing world population over the past century. However, massive nitrogen use in crop fields is at the origin of a cascade of environmental impacts including soil acidification, inland and coastal waters eutrophication, and atmospheric N<sub>2</sub>O and NO<sub>x</sub> emissions affecting the global climate system and regional air quality. This issue is at the intersection between many disciplines: ecology, agronomy, climate sciences, soil sciences and economics.

The purpose of this session is to shed some light on how economists analyze the quantitative impacts of nitrogen use policies and scenarios on land use, food security, biodiversity and ecosystem services.

#### Talks (Presenters in bold)

**1. Evaluating Alternative Options for Managing Nitrogen Losses from Corn Production**

(Jing Liu, **Thomas W. Hertel**, Laura Bowling, Sadia Jame, Christopher Kucharik, Navin Ramankutty)

**2. Climate mitigation co-benefits from sustainable nutrient management – incentives and opportunities**

(**G rard Bonnis** and **Mikael Skou Andersen**)

**3. Meeting climate targets and planetary boundaries through nitrogen mitigation options: implications for food security**

(Jinfeng Chang, **Petr Havl k**, **David Lecl re**, Hugo Valin, Andre Deppermann, Tomoko Hasegawa, Wim de Vries, Michael Obersteiner)

**4. Halving mineral nitrogen in European agriculture: insights from multi-scale land-use models**

**Anna Lungarska**, **Devaraju Narayanappa**, **R mi Prudhomme**, Raja Chakir, Thierry Brunelle., Pierre-Alain Jayet , Nathalie De Noblet, Cecilia Bellora, Jean-Christophe Bureau., Paul Leadley, St phane De Cara, Philippe Ciaia