



ORGANIZER:

Commission Climate and Air Quality, Austrian Academy of Sciences
Commission for Interdisciplinary Ecological Studies, Austrian Academy of Sciences
International Conference on Nitrification - ICON5

CONTACT:

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Admission free - no registration needed
for more information see <https://icon5.univie.ac.at>

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INVITATION

**Fifth International Conference on Nitrification
and Related Processes (ICoN5)**

**ECOLOGICAL IMPACT OF
THE GLOBAL N-CYCLE
AND PERSPECTIVES FOR
SUSTAINABILITY**

PROGRAM

Human modifications of the global nitrogen cycle, triggered by huge increase in food demand to satisfy an increasing human population are the cause of dramatic environmental challenges. Excess nitrogen -introduced by chemical or organic fertilizers - not only affects climate or air/water quality, but is one of the central global challenges affecting ecosystem integrity and biodiversity. Concepts are in the making to reverse or prevent further detrimental effects on nature. This afternoon workshop will explore the effects of the nitrogen cycle in the environment and will discuss such concepts to optimize nitrogen use in food and energy production.

This event will be jointly organized by the Climate and Clean Air Commission and the Commission for Interdisciplinary Ecological Studies of the Austrian Academy of Sciences, and is a public outreach event of the International Conference on Nitrification (ICoN).

<https://icon5.univie.ac.at/program/>

- 1:15–1:20 pm Welcome**
Christa Schleper | Commission for Interdisciplinary Ecological Studies, Austrian Academy of Sciences
- 1:20–1:30 pm Introduction to special session: Sustainability and the N-cycle**
Session Chairs:
Gerhard Herndl | University of Vienna, Austria
Bess Ward | Princeton University, USA
- 1:30–2:15 pm Keynote Lecture**
Eric Davidson | University of Maryland, USA
Manure happens: Unintended environmental consequences of nourishing over seven billion human omnivores
- 2:15–2:45 pm Jeannette Norton** | Utah State University, USA
Managing nitrate in agricultural soils: organisms and process
- 2:45–3:30 pm Keynote Lecture**
Jan Willem Erisman | Louis Bolk Institute, The Netherlands
Food for thought: Nitrogen – too much of a vital resource?