



ISEE13

13th International Symposium on Earthworm Ecology

23-28 August 2026

Wageningen - the Netherlands

PRELIMINARY PROGRAM - ORALS

Note: changes are still possible. For now, the authors in the sessions are listed in alphabetical order after the invited speakers. The specific slots within each session will be assigned at a later stage.

Sunday, August 23

Opening Session

Opening conference	Carolien Kroeze (Rector Wageningen University)	
Welcome	Jan Willem van Groenigen (Chair ISEE13)	
Introduction	Ingrid Lubbers	Where are we? The soils and geomorphology around Wageningen
Conference keynote	Frank Ashwood	Earthworms: Ecosystem Ambassadors

Monday, August 24

Session 1: Soil Functioning & Biogeography – Oral presentations

Authors (presenting author in bold)	Titel
Kevin Hoeffner* , C. Monard, G. Pérès	From behaviour to function: how earthworm feeding and burrowing shape soil processes
Helen Phillips*	Global patterns of earthworm diversity
M. Álvarez-Jiménez, F. Reverchon, ..., Isabelle Barois	Earthworm gut and cast microbiota as drivers of plant growth promotion
George Brown , W. Demetrio, ... , and J. Mathieu	Earthworm ecology and biodiversity in Brazil: recent advances and future challenges
Caide Huang , L Wang, ..., D. Hou	When plastisphere and drilosphere meet: earthworms facilitate microbiome and nutrient turnover to accelerate biodegradation of agricultural plastic films
Camille D’Hervilly , E. Krab, ..., G. Blume-Werry	Consequences of colonization of the arctic tundra by burrowing earthworms for soil organic carbon stability
Dang Hai Lam , T Decaëns, ..., N Bottinelli	Intraspecific variation in earthworm functional traits across sites and land uses in Southern Vietnam
Nathan Looker , A. Wackett, ..., J. Willenbring	Soils worm-worked, arthropod-altered, and mammal-modified: Faunal contributions to pedogenesis at continental scale
Marta Loreggian , J. Baartman, ..., C. Ritsema	How does the interaction between a mole and earthworms affect soil surface changes and water infiltration patterns? Insights from a mesocosm experiment
Nicole Schon , A.D. Mackay	Changes in earthworm populations in grazed hill country pastures with contrasting phosphorus fertiliser histories since 1975
Joann Whalen	Earthworm contribution to the soil carbon pump
Yu Zhao , T. Daniell, P. Watt	Assessing earthworm diversity and abundance in UK agricultural soils using molecular approaches

*Invited speakers

Tuesday, August 25

Session 2: Ecotoxicology & Stress Ecology – Oral presentations

Authors (presenting author in bold)	Titel
Celine Pelosi*	Earthworms in terrestrial ecotoxicology, from standardised tests to integrative approaches
Yinsheng Li, Y. Xu	Visualization and quantification of earthworm three dimensional burrowing behavior for ecotoxicological study
Alejandro Martínez Navarro , I. Frutos, ..., M. Novo M.	Characterizing climate vulnerability and stress tolerance in the riparian earthworm <i>Allolobophora molleri</i> : an integrative physiological and transcriptomic approach
David Spurgeon , R. Djdhorajiwalar, ... P. Kille	Mechanistic underpinning of earthworm sensitivities to metals
Nick Van Eekeren , A. van der Laan, M. Bestman, J. van Dijk.	Effect of higher groundwater levels on earthworms in agricultural peat meadows

***Invited speaker**

Session 3: Earthworms & Society – Oral presentations

Authors (presenting author in bold)	Titel
Maria Briones*	Challenges in integrating earthworms into large-scale survey assessments and conservation policies
Marie Bartz , L. Savioli	Stories from the soil: earthworms and children's literature as tools for soil education
Pia Euteneuer , M. Potthoff, ..., K. Amirhosseini	SoilRise - Monitoring of earthworm communities by tutor-based citizen science
Agnieszka Józefowska , P. Pacanowski, ... , L. Le Callonec	Earthworm Diversity in Urban Parks: A Transnational Citizen Science Study on Anthropogenic Soils
Man Suet Michelle Law	Integrating Earthworm Ecology into Public Understanding: Challenges and Insights from Translating Research into Public Community Education in Hong Kong
Guénola Pérès , K. Hoeffner, ..., D Cluzeau	How big datasets can support policy makers: example of french dataset for earthworm criteria provisioning
Reidun Pommeresche , T. Rittl	Earthworms as engagement facilitators for discussions on soil health

***Invited speaker**

Thursday, August 27

Session 4: Earthworm taxonomy – Oral presentations

Authors (presenting author in bold)	Titel
M. Leal-Cardín, A. Piris, ..., Daniel Marchán*	Go big or go home: Evolutionary drivers and molecular mechanisms behind European giant earthworms
Nicolas Bottinelli , Q Pham, ..., Y Capowiez	Beyond fixed functional groups: evidence for plasticity in earthworm bioturbation behavior
Kevin Butt , F. Lang, ..., V. Nuutinen	Mating of the giant earthworm <i>Lumbricus badensis</i> : An enigma?
Jibao Jiang , Jiali LI, ..., J. Qiu	Population Genetic Diversity and Dispersal Patterns of Widespread Megascolecidae Earthworms in China Revealed by Mitochondrial Multi-genes and SNPs
Yadav Shweta	Biogeographic and Taxonomic Patterns of Earthworms in India

***Invited speaker**

Session 5: Earthworms Outside the Bos & Emerging Methods – Oral presentations (alphabetically)

Authors (presenting author in bold)	Titel
Enno Sonntag* , A. Parodi, ..., A. Vidal	Earthworm Farming for Circular Food Systems
Manuel Blouin , A. Robin, ... , Patrick Lavelle	A meta-analysis reveals earthworms as mutualists rather than predators of soil microorganisms
George Damoff	Earthworm characteristics that inspire and are mimicked by human engineers
László Páthy , T. Keller, M. Lamandé, K. Tamás	Modelling Earthworm–Soil Interactions Using a Coupled Discrete Element and Mass–Spring Approach
Rebecca ter Borg , M. Larsbo, ..., T. Keller	Quantifying burrow network dynamics of endogeic and anecic earthworms in the field
Adrian Wackett , E. Harrison, ..., J.K. Willenbring	A quartz quandary: assessing whether worms weather silica in soils
Mathis Ventura , S. Noël, ..., Virginie Roy	DNA metabarcoding uncovers earthworm consumption by the invasive flatworm <i>Obama nungara</i>

***Invited speaker**