



International Alliance for Phytobiomes Research Webinar Series

22 April 2026

Davide Bulgarelli

Member of the Soil Health Working Group
University of Dundee, UK

A nonprofit consortium of industry, academic, and governmental scientists

OUR VISION

By 2050, all farmers have the ability to use predictive and prescriptive analytics based on geophysical and biological conditions for determining the best combination of plants, management practices, and inputs for a specific field in a given year.

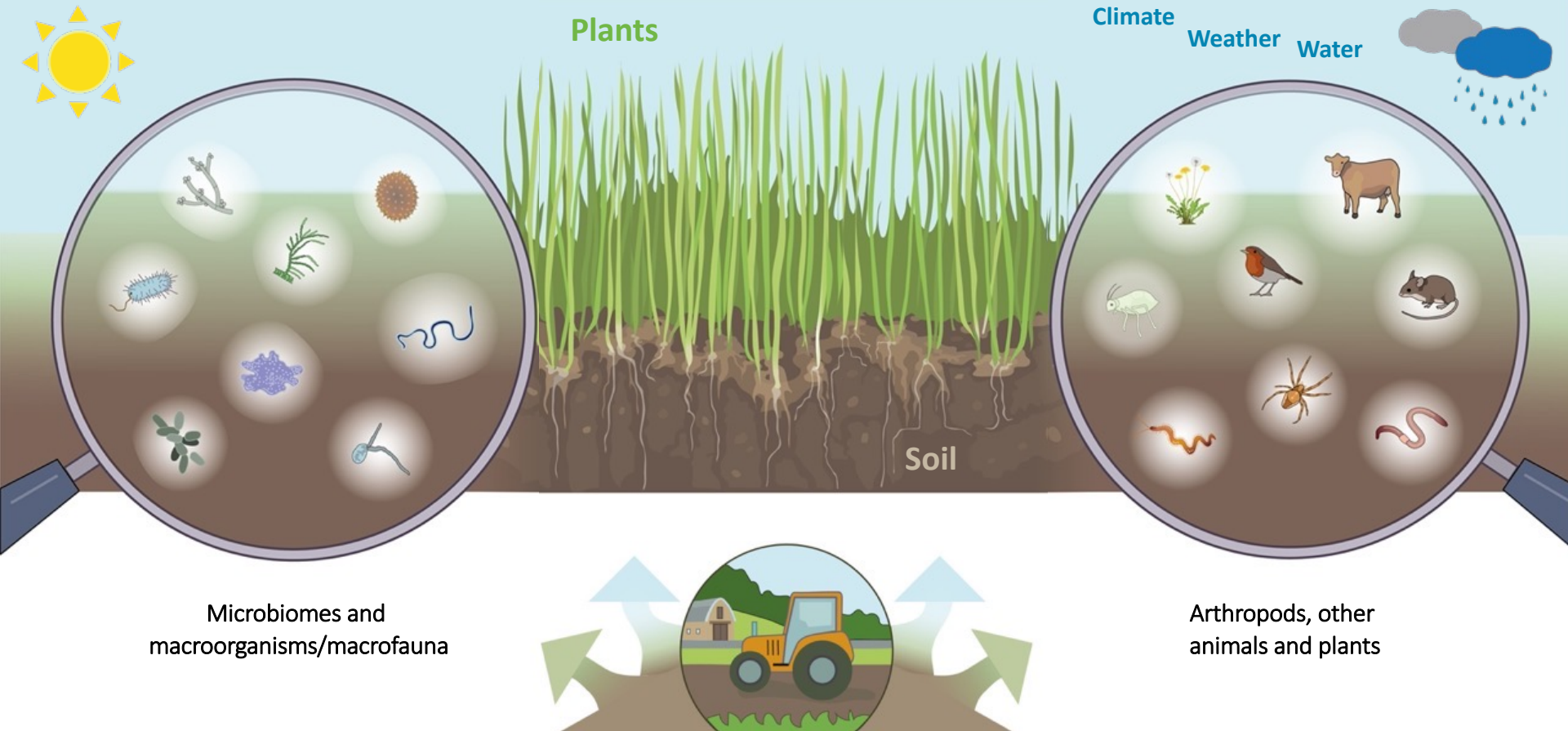




Phytobiomes Alliance Sponsors



Phybiomes: Complex Systems of Plant-based Agriculture



Microbiomes and
macroorganisms/macrofauna

Arthropods, other
animals and plants

All influenced by management practices

Phytobiomes Alliance Working Groups

Lead and coordinate efforts on specific topics



Animal Microbiomes



Regulatory



Microbiomes



Controlled Environment Agriculture



Soil Health

Organized in September 2024

Current Activities

- **Crafting a 5-year vision**
- **Defining research priorities**
 - **Soil microbiome data integration**
 - **Mechanistic links between soil biology and crop productivity**
 - **Translation of findings into soil-improving products**





Upcoming Phytobiomes Alliance Webinar

➤ **Wednesday 24 June @11:00 am EDT**

A registration card for a webinar. It features the Phytobiomes Alliance logo in the top left. The word 'WEBINAR' is prominently displayed in blue. The title of the webinar is 'SEED MICROBIOTA: AN IMPORTANT FACTOR IN CROP ESTABLISHMENT'. The speaker is identified as Matthieu Barret from INRAE, France. The date and time are 'WEDNESDAY 24 JUNE 2026 11:00 AM EDT'. A circular portrait of Matthieu Barret is on the right. Below the portrait is a blue 'REGISTER' button with four red dots underneath it, and a QR code in a white box with a blue border.

 **WEBINAR**

SEED MICROBIOTA: AN IMPORTANT FACTOR IN CROP ESTABLISHMENT

Matthieu Barret
INRAE, France

WEDNESDAY 24 JUNE 2026
11:00 AM EDT

REGISTER



➤ **Registration** – <https://tinyurl.com/56t8tdv7>



➤ Register to the mailing list to receive news about events organized by the Phytobiomes Alliance
<http://eepurl.com/dqw51f>



INTERNATIONAL PHYTOBIOMES CONFERENCE 2026

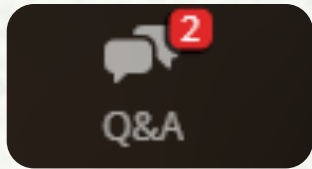
3-5 NOV 2026 | NIAGARA-ON-THE-LAKE, ONTARIO, CANADA

www.phytobiomesconference.org

- Registration is open: <https://phytobiomesconference.org/registration/>
- Important Dates:
 - 28 AUG: Abstract deadline
 - 04 SEP: Early Bird registration ends
 - 16 OCT: Poster abstract deadline
 - 29 OCT: Registration Closes
- Lodging: Queen's Landing Hotel <https://tinyurl.com/mv3v6mm5>

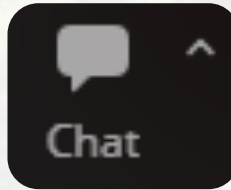


- The webinar is recorded and will be posted on the Phytobiomes Alliance YouTube channels later today. <https://www.youtube.com/c/PhytobiomesAlliance>
- The presentation section will be followed by a Q&A



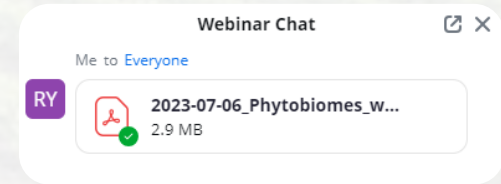
Questions

Submit your questions in the Q&A panel



Chat - disabled

Monitor the chat panel for messages from the organizers



Handouts

Download PDFs of the slides presented from the chat panel

➤ **Digging into the Rhizosphere Chemistry: How Plants Engineer their Soil Environment**

- **Adrien Frémont**
Postdoctoral researcher
Environmental Genomics and Systems Biology division
Lawrence Berkeley National Laboratory, USA

