



# Webinar Series Introduction

09 April 2025

**Claire Rogel-Gaillard**  
Chair of the Animal Microbiomes  
Working Group



# INTERNATIONAL ALLIANCE FOR PHYTOBIOMES RESEARCH

*A nonprofit consortium of industry,  
academic, and governmental  
scientists*

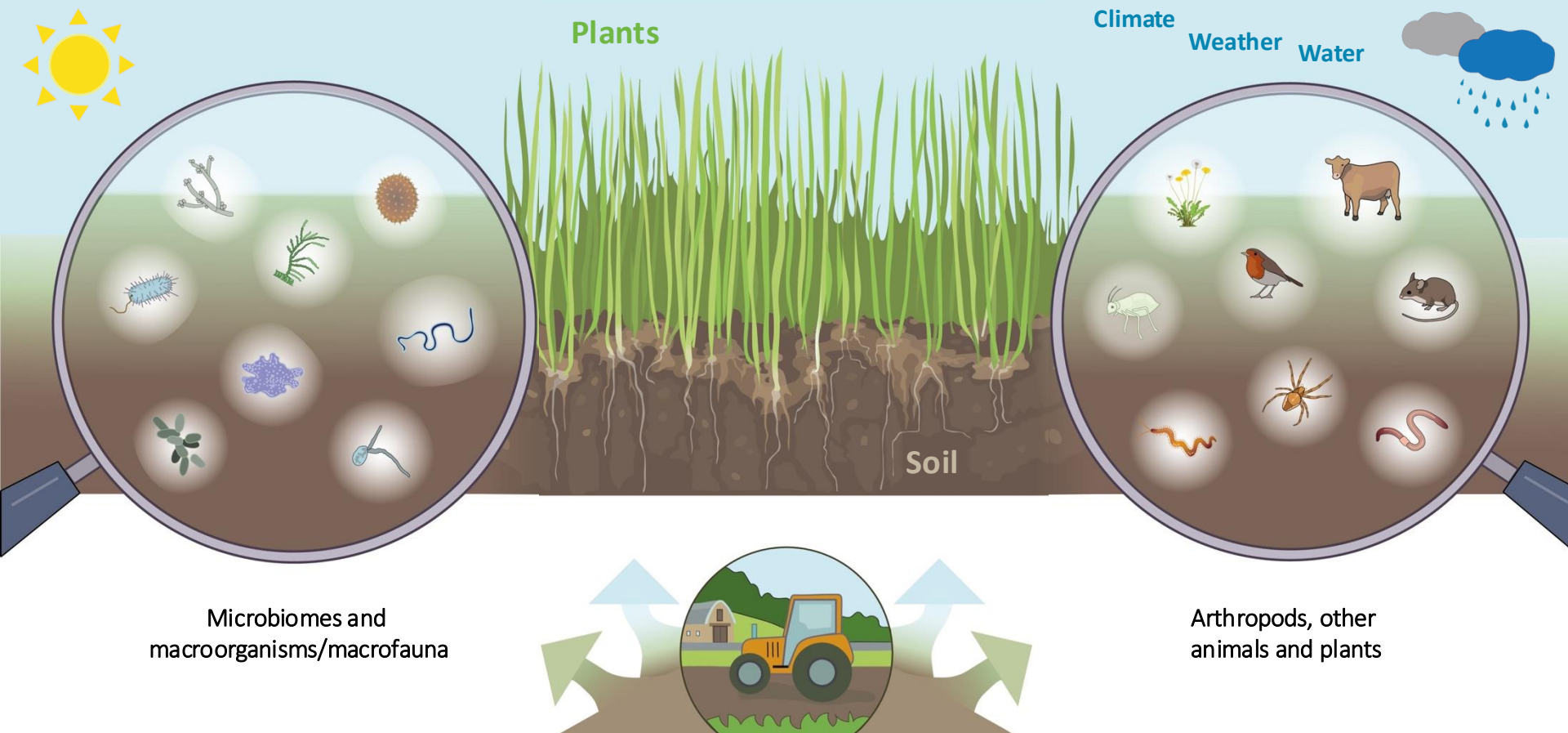


# Phytobiomes Alliance Sponsors



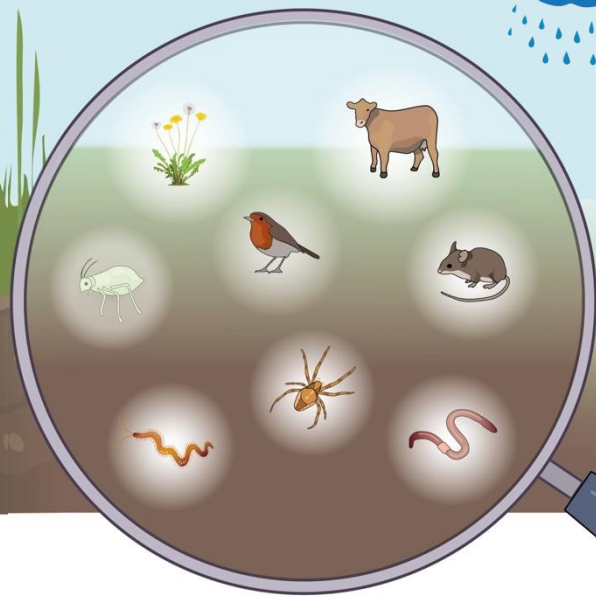
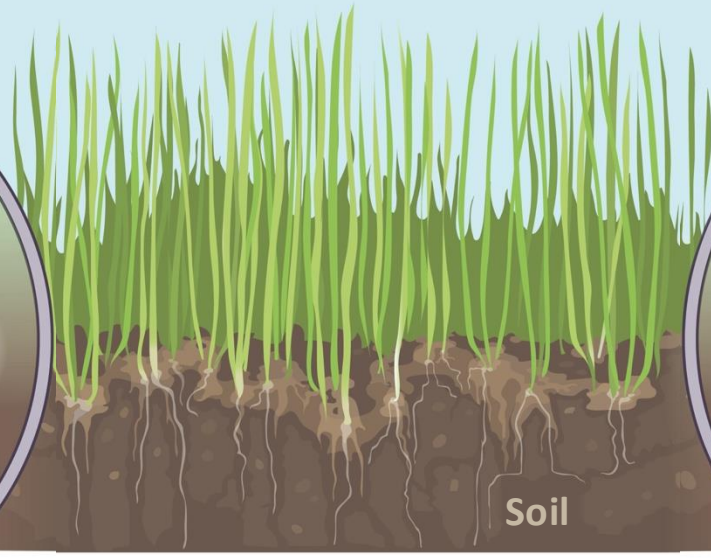
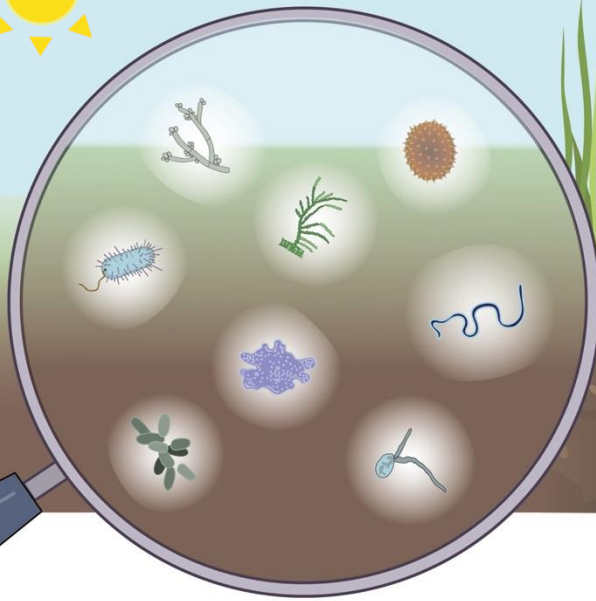


# Phytobiomes: Complex Systems of Plant-based Agriculture



Plants

Climate  
Weather  
Water



Soil

Microbiomes and  
macroorganisms/macrofauna

Arthropods, other  
animals and plants



All influenced by management practices

# Examples of Phytobiomes



Crop Field

A wide-angle photograph of a vast, golden-brown field of mature grain, likely wheat or corn, under a clear blue sky. A yellow combine harvester is visible in the distance on the left side of the field.



Pasture

A photograph of a lush green pasture with several black and white cows grazing. The sky is bright blue with scattered white clouds.



Vegetable Garden

A photograph of a rooftop vegetable garden. Numerous black plastic-covered raised beds are filled with various green leafy vegetables. In the background, a cityscape with several multi-story buildings is visible under a clear sky.



Forest

A photograph of a forest with tall, slender trees, likely birches, with white bark and sparse yellow and orange autumn foliage. The ground is covered with fallen leaves.



Vertical Farm

A photograph of a vertical farm. Multiple levels of white hydroponic channels are stacked vertically, each containing rows of green leafy plants growing in a controlled indoor environment.

# Phytobiomes Alliance Working Groups

Lead and coordinate efforts on specific topics



Animal Microbiomes



Regulatory



Microbiomes



Controlled Environment Agriculture



Soil Health

## Aim

- Identify knowledge and resource gaps to advance our understanding of the interconnections between people, animals, plants, and their shared environments, as defined in the One Health approach.





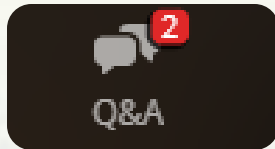


# Next Phytobiomes Alliance Webinar

- **6 June 2025 @ 11:00am EDT, 5:00pm CEST**
  - **100 Years of Collecting Biological Materials: The Diversity of the ATCC® Collection**
  - Presenter: Victoria Knight-Connoni, ATCC, USA
  - Registration:  
[https://us06web.zoom.us/webinar/register/WN\\_Ihong6drQTiPOTB8MgtfJQ](https://us06web.zoom.us/webinar/register/WN_Ihong6drQTiPOTB8MgtfJQ)

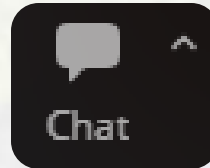
# Phytobiomes Alliance Webinar dashboard

- 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



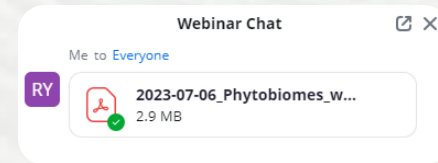
## Questions

*Submit your questions  
in the Q&A panel*



## Chat

*Use the chat panel to  
see messages from the  
organizers*



## Handouts

*Download PDFs of the slides  
presented from the chat  
panel*

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

- **Beyond the host genome: host genetics and gut microbiome determinism in livestock**
- Jordi Estelle and Catherine Larzul  
INRAE, France





**Thank you for your participation**  
**[www.phytobiomesalliance.org](http://www.phytobiomesalliance.org)**



**@phytobiomes**



**Internationalphytobiomesalliance**

The bottom portion of the image shows several rows of young green plants growing in a field, with dark soil visible between the rows.