



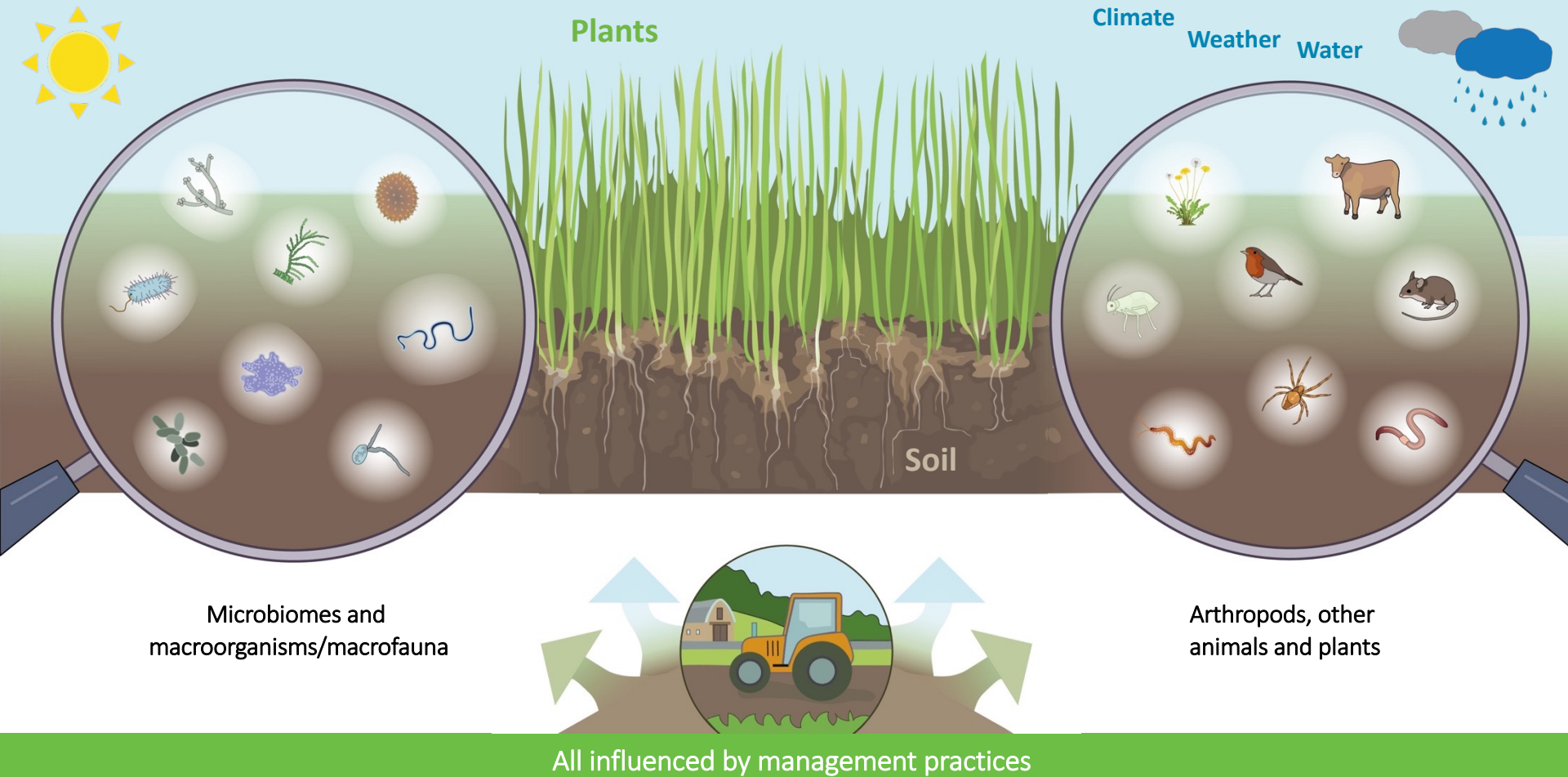
Phytobiomes: A New Vision for Agriculture

Name

Date

Conference & City Country

Phytophosphorus: Complex Systems of Plant-based Agriculture



Examples of Phytobiomes

Crop Field



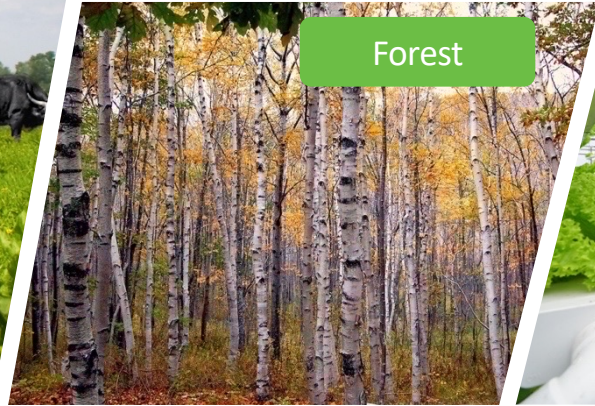
Pasture



Vegetable Garden



Forest



Vertical Farm



Holy Grail for Phytobiomics



To understand, predict, and control emergent phenotypes within specific phytobiomes for the sustainable production of food, feed, and fiber.

Research Priorities



Phybiomes-knowledge generation



Standards and protocols & capacity building for application



Regulatory framework



Data generation, management & modeling



Multi-disciplinary capacity building



Precision, digital and AI Ag integration



Efforts: Linking Components Across PhytoBiomes System



Increased engagement in Europe: *Microbes 4 Climate* and *MICRObiome Biobanking Enabler*



Phytopathology article: *From Microbes to Microbiomes: Applications for Plant Health and Sustainable Agriculture*



Phytopathology article: *Genotypic & Phenotypic Analyses Show *Ralstonia solanacearum* Cool Virulence is a Quantitative Trait Not Restricted to "Race 3 Biovar 2"*



Secured US NSF grant to Coordinate Microbial Collections and Networks: Public & Private



Novel Microbiome Technologies to Increase Profitability for Australian Horticulture



Establish Linkages and Commonalities between Plant and Animal Health & Nutrition

Phytobiomes Alliance Working Groups

Identify gaps and research needs; coordinate efforts on specific topics



Microbiomes



Regulatory



Animal Microbiomes



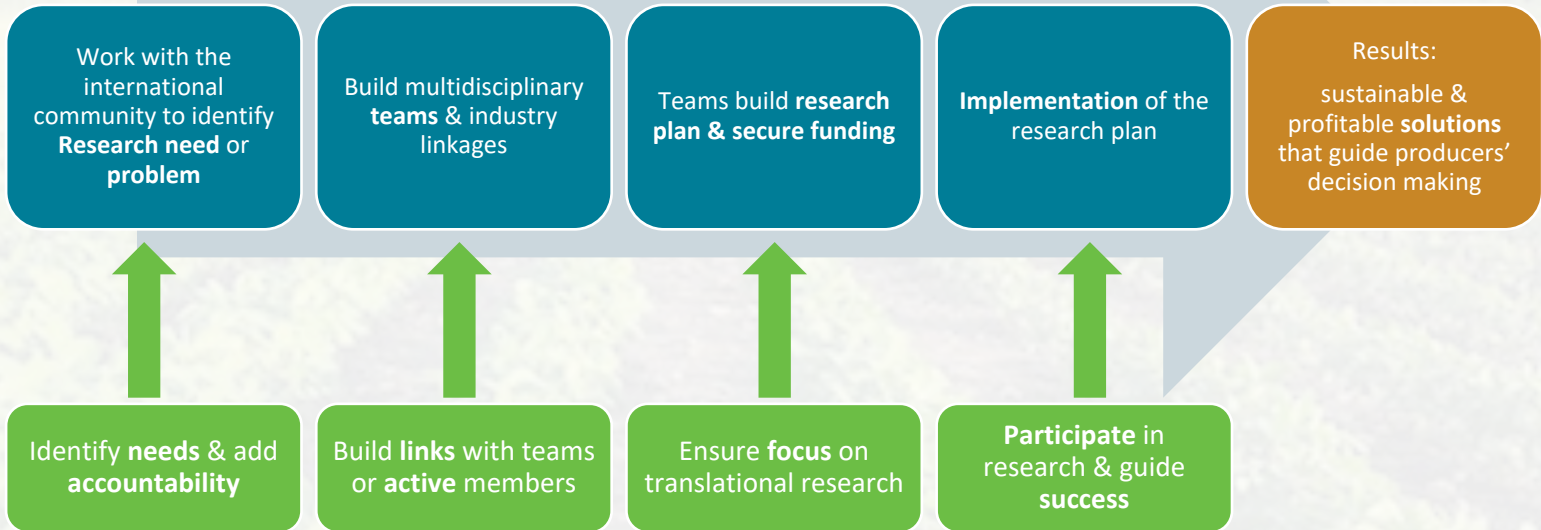
Controlled Environment Agriculture



Soil Health

The Alliance in Action

Translating Research Outcomes into Results



Industry Sponsor Participation



Phytobiomes Alliance Sponsors



ABRINCA—
GENOMICS





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>





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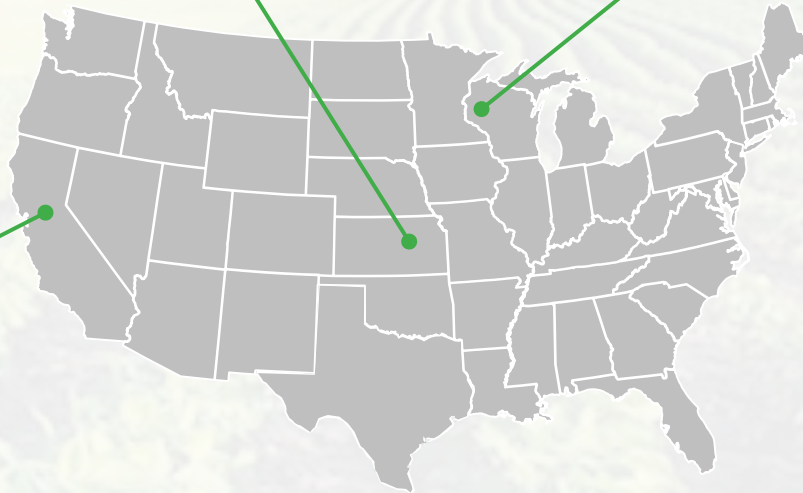
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