



International Wheat Genome  
Sequencing Consortium



# IWGSC-Phytobiomes Alliance Joint Webinar Series – Introduction –

13 March 2024

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Phytobiomes Alliance Deputy Director

# The International Wheat Genome Sequencing Consortium



- Established in 2005 by a group of wheat growers, plant scientists, and public and private breeders
- Accelerate wheat improvement
- Produced the reference sequence of bread wheat (RefSeq) in 2017
- Latest version of assembly and annotation is IWGSC RefSeq v2.1

## VISION

Enhance breeding through an increased understanding of the molecular basis of traits and their allelic diversity

# IWGSC Sponsors



# International Alliance for Phytobiomes Research



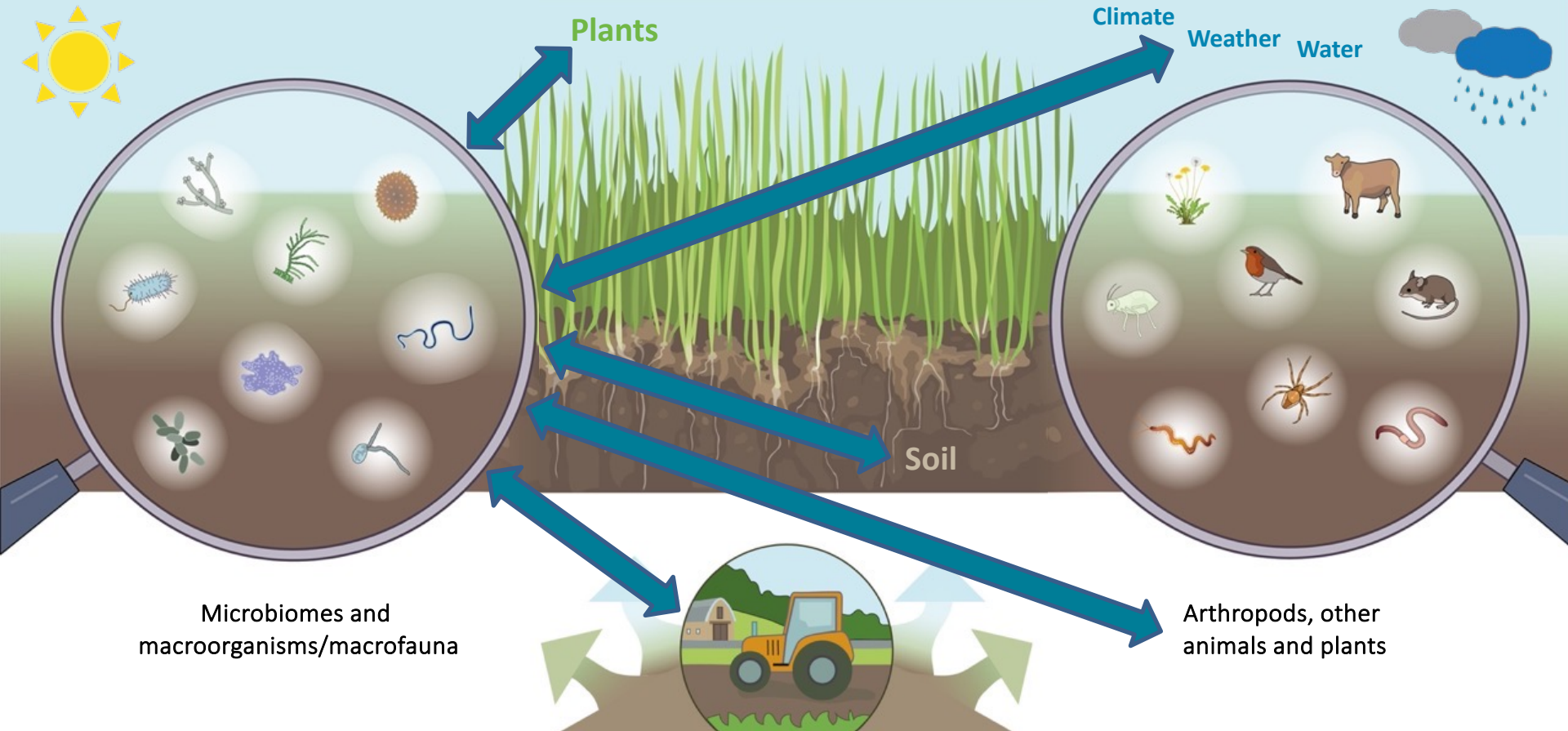
- Nonprofit, precompetitive research consortium
- Industry, academia, and government
- Paradigm shift in agricultural research & production



**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 crops, management practices, and inputs for a specific site in any given year.

**Strategy:** Identify gaps in research, tools, and technologies and develop projects to address them.

# Phytobiomes: Complex Systems of Plant-based Agriculture





# Phytobiomes Alliance Sponsors



# Upcoming Events



**8-10 October 2024**

**St. Louis, MO, USA**

[www.phytobiomesconference.org](http://www.phytobiomesconference.org)

**Registration & abstract submission**  
are open

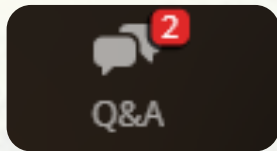


**WEBINAR**

- ▶ Thursday 4 April, 11:00am EDT
- ▶ GrainGenes: A Centralized Nexus for Small Grains Data and Communities
- ▶ **Presenter:** Taner Sen, USDA-ARS/UC Berkeley, USA
- ▶ **Registration:**  
<https://tinyurl.com/4ptvhwx>

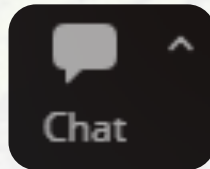
# Webinar dashboard

- The webinar is recorded and will be posted on the IWGSC and Phytobiomes Alliance YouTube channels later today
- The presentation section will be followed by a Q&A



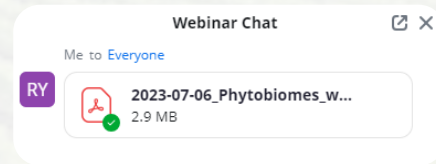
## Questions

*Submit your questions  
in the Q&A panel*



## Chat

*Use the chat panel to  
contact & 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 the Phytobiomes Alliance <http://eepurl.com/dqw51f> and the IWGSC <https://tinyurl.com/565zbjcw>



## ➤ Plant Phenotyping – Technologies and Targets

- Presenter:  
Prof. Dr. Ulrich Schurr  
Institute of Bio- and Geosciences (IBG-2):  
Plant Sciences  
Forschungszentrum Jülich, Germany

