

I W G S C



# 2025 SNAPSHOT

3,550 MEMBERS

993 INSTITUTES & COMPANIES

80 COUNTRIES

53 COORDINATING COMMITTEE MEMBERS representing universities, research institutions, governmental agencies, and grower organizations, as well as small, medium, and large wheat breeding and seed companies.



## WHEAT GENOME VARIATION PROJECT

The IWGSC Bread Wheat Genome Variation Project is a two-year initiative aimed at expanding the wheat genomics toolset through enhanced community coordination, data generation, and access.

Genetic diversity is essential for sustaining the future adaptive capacity of agriculture. In bread wheat, most genetic diversity is held within landrace varieties that were locally adapted over thousands of years by traditional farming prior to modern agriculture.

While today's high-yielding cultivars contain only a fraction of this available gene pool, landraces remain a key reservoir for adaptive traits that will be essential for meeting future demands for wheat improvement.

The IWGSC Wheat Diversity Project addresses the critical need to preserve, discover, and mobilize these genetic resources by sequencing 12 wheat landraces that represent the worldwide diversity of bread wheat.

State-of-the-art sequencing, assembly, and annotation methods were applied to these genomes and to a platinum-quality update of the community reference, Chinese Spring, to be released as IWGSC CS RefSeq 3.0.

Finally, representation of the wheat pangenome as a Practical Haplotype Graph will provide powerful tools to accelerate future genomics and breeding research.



INRAE



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## URGI DATA REPOSITORY

All IWGSC reference sequence assembly and annotation data and associated resources are publicly available at the IWGSC data repository.

23,595 VISITS

96,846 DOWNLOADS

29,536 BLASTS

[wheat-urgi.versailles.inra.fr](http://wheat-urgi.versailles.inra.fr)

IWGSC data are also available at Ensembl Plants, Graingenes, NCBI and WheatIS.



2 WORKSHOPS

At PAG San Diego, CA, USA



6 WEBINARS

2,270 REGISTRATIONS  
from 78 COUNTRIES



Library of 49  
webinar recordings  
38,500 Lifetime Views

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