



International **W**heat Genome Sequencing Consortium

Who We Are

The International Wheat Genome Sequencing Consortium was established in 2005 by a group of wheat growers, scientists and breeders. The goal of the IWGSC is to make a high quality genome sequence of bread wheat publicly available, in order to lay a foundation for basic research that will enable breeders to develop improved varieties. The IWGSC is a U.S. 501(c)(3) non-profit organization led by a Board of Directors, a Leadership Team, and a Coordinating Committee. The Board of Directors establishes the overall strategy and the Leadership Team is responsible for the daily management of the organization. The Coordinating Committee, comprised of financial sponsors and leaders of IWGSC projects, is responsible for establishing the overall scientific strategy and the strategic roadmap. IWGSC general membership is open to any individual who is interested in supporting the goals and activities of the consortium.

IWGSC Phase II

With the completion of IWGSC RefSeq v1.0, the Consortium is moving into phase II activities:

- Pan-genome based on *de novo* sequencing and assembly of multiple wheat genomes (landraces and elite varieties) that cover the full breadth of wheat diversity
- Pan-genome database, visualization, and tools that will benefit public breeders and the full range of industry partners, from SMEs to large companies
- IWGSC Exome Array based on the reference sequence
- Pipeline for including community-based manual and functional annotation in annual annotation updates
- Continued development and maintenance of an integrated database for the wheat genome sequence

64 Countries

610 Institutes/Companies

2100 Members

wheatgenome.org

info@wheatgenome.org

[flickr.com/photos/iwgsc](https://www.flickr.com/photos/iwgsc)

wheat.genome

[@wheatgenome](https://twitter.com/wheatgenome)

All resources are publicly available at: wheat-urgi.versailles.inra.fr



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Wheat



The staple food for 35% of the world population



Wheat production needs to increase by 60% to feed 9.6 billion people by 2050



The most widely grown cereal crop in the world



Provides 20% of all calories consumed

Kellye Eversole
IWGSC Executive Director

+1.301.618.9543
eversole@eversoleassociates.com