



# 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:

- IWGSC Exome Array based on the reference sequence
- Wheat pan-genome based on de novo sequencing and assembly of multiple wheat genomes (landraces and elite varieties) that cover the breadth of wheat diversity
- IWGSC Gold Standard: maintenance, updates, and integration of manual and functional annotation to the reference sequence
- User-friendly, integrated databases and tools to benefit public breeders and the full range of industry partners, from SME to large companies

**68 Countries**

**734 Institutes/Companies**

**2400 Members**

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

[info@wheatgenome.org](mailto:info@wheatgenome.org)

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

[wheat.genome](http://wheat.genome)

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

All resources are publicly available at: [wheat-urgi.versailles.inra.fr](http://wheat-urgi.versailles.inra.fr)

# Wheat



The staple food for 35% of the world population



The most widely grown cereal crop in the world



Provides 20% of all calories and proteins consumed



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

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