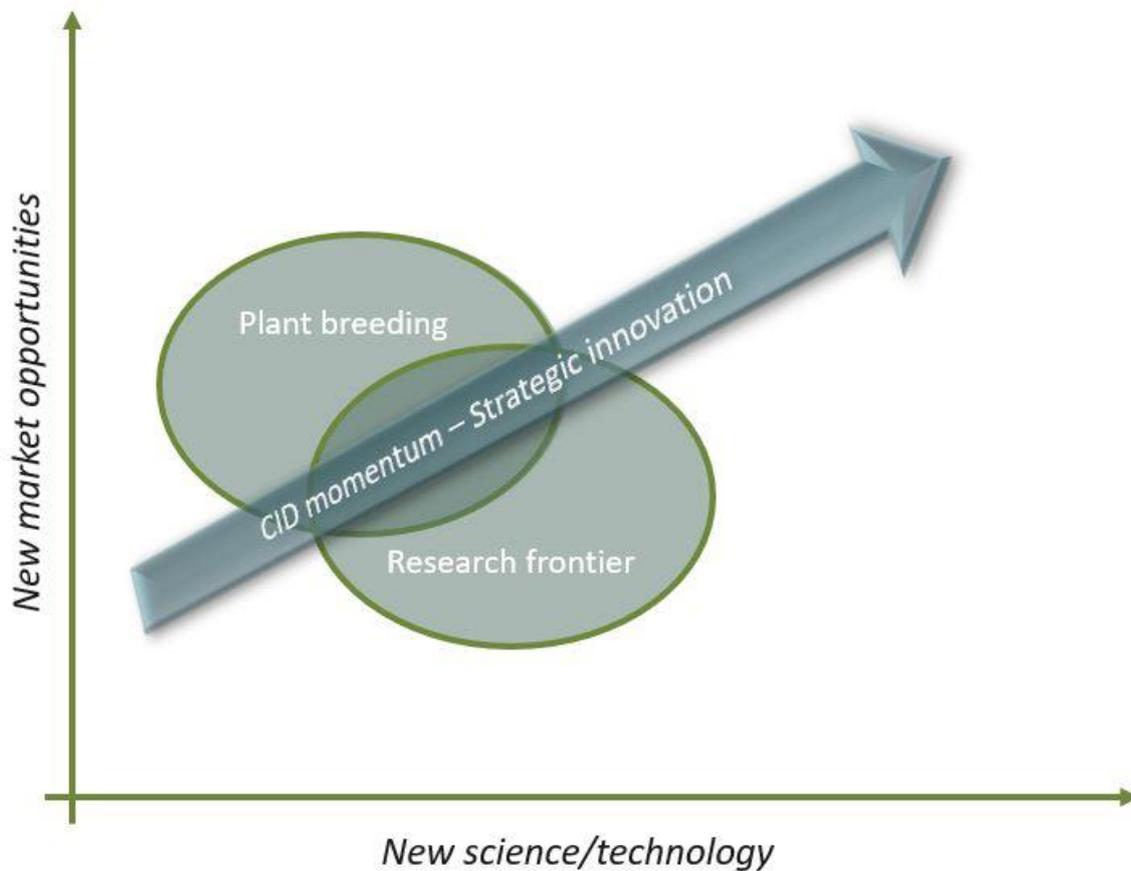


CID Strategy 2023



CROP INNOVATION DENMARK
- from genes to seeds



Crop Innovation Denmark

The significant climate and environmental challenges we – as a society – are facing calls for action – also within the food production. A major contribution to solving these challenges in a solid sustainable way is through continued improvements in plant genetics. The genetics of crops are the starting point in plant production, and the interaction between genetics, management and environmental factors is of great importance for both sustainability and productivity. Thus, genetic improvements in the crops we grow today and in the future, can create great beneficial environmental and climate effects as well as elevate the creation of value – both directly in plant production and in the subsequent stages of global food production.

Crop Innovation Denmark (CID) is a formal public-private partnership. The partnership consists of the plant breeding companies DLF, Danespo, Nordic Seed and Sejet Plant Breeding, University of Copenhagen and Aarhus University, as well as The Danish Agriculture & Food Council. CID's purpose is to strengthen research and innovation cooperation between the partners and to set the strategic agenda.

CID's Vision:

Danish plant research environments will carry out research at a high international level that is directly applicable in the breeding sector and opens new future business areas. At the intersection of public and private research and innovation, new useful knowledge and tools are generated that:

- Accelerates breeding progress to address plant production challenges
- Increases the competitiveness of Danish plant breeding companies
- Stimulates and promotes world-class business-oriented research
- Responds to new trends in the bioeconomy

This will lead to Danish plant breeding companies being world leaders in breeding crops that:

- Provides higher and more stable yields
- Are more robust, have a reduced need for inputs of pesticides and have better nutrient utilization
- Are healthier and of higher quality for feed, food and non-food purposes
- Are adapted to future production in changing climatic conditions and contributes to the solution of society's climate and environmental challenges.

Mission:

CID will create scientific and commercial added value in its partners research and development activities. This is achieved through:

- Prioritization, coordination and implementation of relevant initiatives
- Commission of the necessary funding
- Exploiting professional and infrastructural synergies
- Training, competence building and internationalisation
- Prioritising plant breeding research as part of the solution to challenges in agriculture and society

In the coming years, CID will

CID will encourage and coordinate research, innovation and training initiatives in the field of plant breeding in order to stimulate the development of new improved crops and varieties, with a focus on improving the climate, environment, quality and productivity effects of plant production (figure below).

CID's strategy for the coming years is a further development of the strategic platforms within root research and genomic selection, protein crops and precision breeding. Activities within plant genetic resources must be maintained so that they can be made an asset for the development of new, more robust and productive crops and varieties. CID will also explore how new fields of research and technologies, such as computer science, can help to further develop plant breeding research.

The strong CID cooperation must be maintained and further developed so that we in Denmark are among the best in the world for cooperation between companies and public knowledge institutions. Finally, new collaboration surfaces and increased interaction between professions, researchers and students must be created.

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