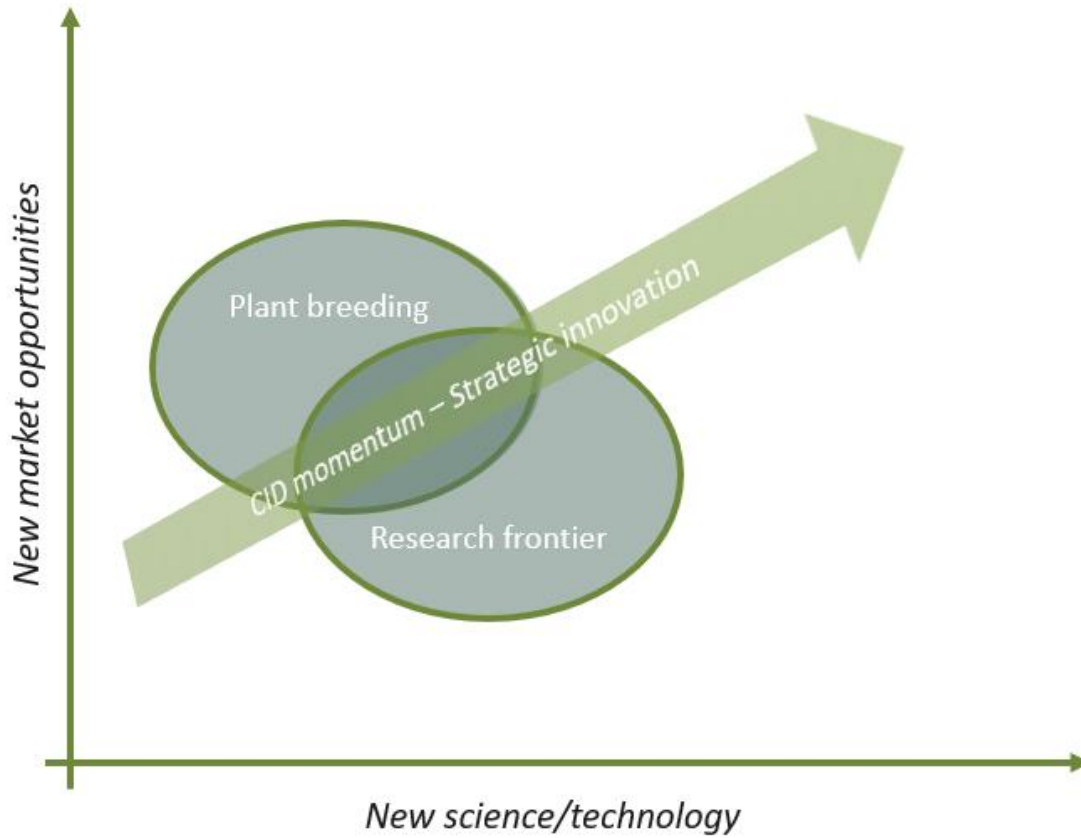


CID Strategy 2023



CROP INNOVATION DENMARK
- from genes to seeds



Crop Innovation Denmark

The significant climate change and environmental concerns, our societies are facing the coming years calls for the development of new novel solutions and technologies in the agri food cluster. A large contribution to solve these challenges in a sustainable sound way is by the continued improvement of crop genetics. All plant production starts by good strong crop genetics and the relationships between crop genetics, management and environmental limitations are paramount for sustainability and productivity. Hence, genetic advances in the crops we grow today and new crops we will grow in the future can create strong reliable results both from an environmental perspective but also considering the climate change challenge. Not only can genetic advances help address these challenges, but it can also improve the value chain directly in the plant production sector and also the rest of the entire food sector.

Crop Innovation Denmark (CID) is a formal public-private partnership. Covering the plant breeding companies DLF, Danespo, Nordic Seed, Sejet and University of Copenhagen and Aarhus University. Further the Danish Agriculture and Food Council are also part of the partnership. The goal of CID is to strengthen, facilitate and improve the research and innovation cooperation between its members and contribute to the overall strategic research agenda.

Vision of CID:

Danish plant science communities should perform research on a high international standard. Findings should be readily available for the plant breeding sector and open new future business possibilities. From the cooperation between public and private research and innovation new knowledge and tools should:

- Accelerate breeding progress with an emphasis on solving challenges in the plant production sector
- Increase competitiveness of Danish plant breeding companies
- Stimulate and advance business orientated world class research
- Contribute with new trends in the bioeconomy

By achieving this, Danish plant breeding companies should be world leading in breeding superior crops that are:

- Producing high and reliable yields
- More robust and has a reduced reliance on pesticides and an increased nutrient efficiency
- Healthier and of high quality for feed, food and nonfood purposes.
- Well adapted to future production constraints from altered climate conditions and are providing a solution to the climate and environmental challenges facing society.

Mission:

CID wants to create knowledge and commercial value for research and innovation activities between members of the partnership. This is made possible through:

- Prioritizing, coordination and initialization of relevant initiatives
- Securing of necessary funding
- Usage of qualifications and infrastructural synergies
- Education, competence acquisition and internationalization
- Prioritizing of plant breeding research as part of the solution to challenges facing agriculture and society

A future together with CID

CID wants to prioritize and coordinate research, innovation and educational initiatives in relation to plant breeding research in order to stimulate the development of new improved crop cultivars with a focus on climate, environment, quality and productivity gains in the plant production sector. Please see the figure below.

The goals for CID during the coming years are the continued improvement of already established strategic platforms in the research areas of root science, genomic selection, new protein crops and precision breeding. The ongoing work with plant genetic resources should be maintained so it continues to be a genetic resource for future breeding of robust and productive crops and cultivars.

Furthermore, CID wants to explore new fields of science and new technologies, like computer sciences, which can benefit future plant breeding research.

The strong collaboration through CID are expected to grow and hence placing Denmark among the best in the world to do research collaboration between companies and public research institutions. Finally, new means of collaboration and increased interaction between business, researchers and students are continually improved.

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