

The GFPi –

A powerful network
for research



German Federation for
Plant innovation (GFPi e. V.)

GFPi
Plants – The Basis of Life

GFPi

The German Federation for Plant innovation (GFPi e. V.) is a non-profit association for the promotion of plant breeding research and related research disciplines. It bundles the interests of its 57 mostly small and medium-sized member companies from plant breeding and plant research along the entire agricultural and horticultural value chain.

From idea to real-life application

As a source of inspiration for innovative topics in plant breeding research, GFPi identifies, stimulates and discusses new research approaches and questions. It offers a platform for initiating and co-ordinating national and international joint projects involving plant breeding, breeding research and related scientific disciplines as well as for fostering the transfer of knowledge into plant breeding practice.

GFPi provides the following services to its members:

- Support in the planning, submission and implementation of research projects
- Transfer of the project results to the companies
- New ideas and stimuli for innovative research topics
- Information on national and international research programmes and calls for proposals
- Define research priorities, develop position papers
- Organization of partnering events, workshops and webinars
- Provision of patent information



All publications can be found in the download area on the GFPi website



Mentoring of young scientists – a long-term perspective for progress

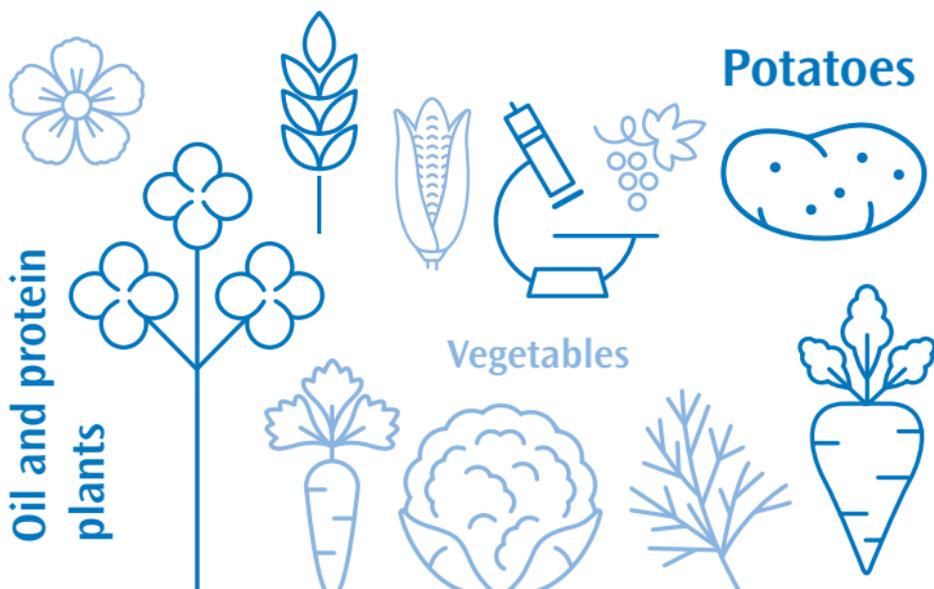
Mentoring of excellent young scientists in breeding research, plant breeding and production is crucial to meet current and future challenges in agriculture. The GFPi projects offer many young professionals an opportunity to start their careers in plant breeding companies and research institutions.

Plant research 4.0 for the future of agriculture

Against the background of climate change and increasing social demands on agricultural practice, GFPi published the research strategy *Plant Breeding 4.0*. On this basis, topical focus papers will be developed in co-operation with the GFPi Scientific Advisory Board, including:

- **The soil microbiome – the connection between soil and plants**

With new research findings, possible approaches are to be identified in order to develop more stable, more efficient crops that benefit from the interactions with these microbial communities.



- **Crop diversity – plant breeding approaches for agriculture**

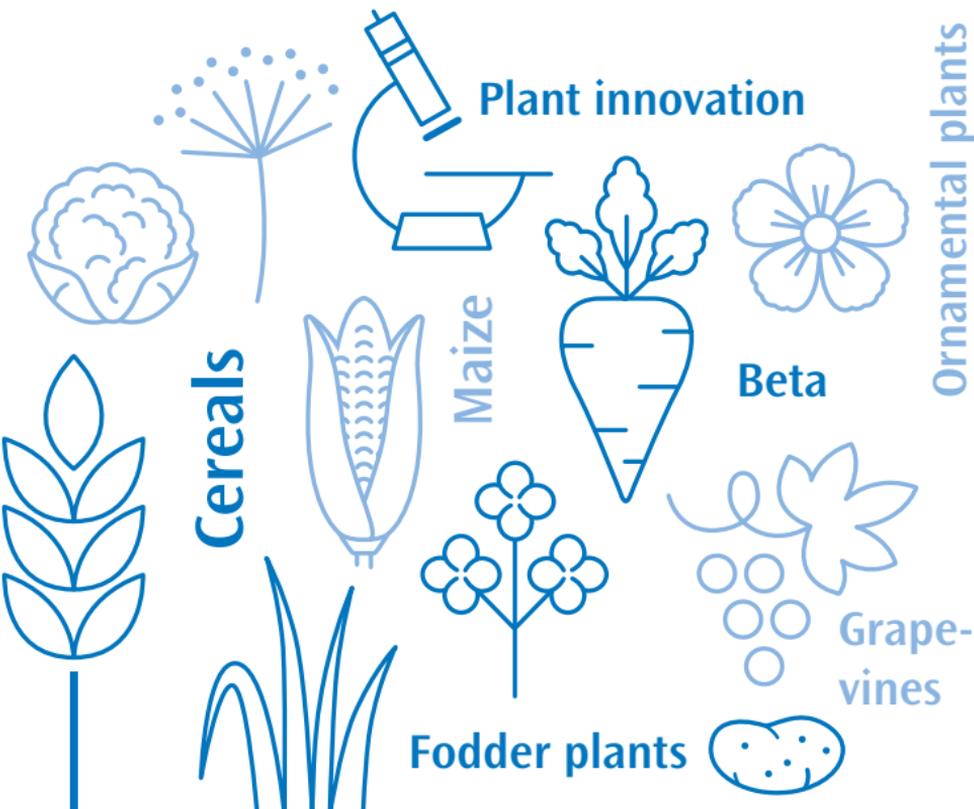
The addition of new or previously underutilized crops will be an important element for arable farming to become better adapted to the changing environmental conditions. This is at the same time environmentally friendly, resource-efficient and ensures yield stability.

- **Potential of plant breeding for insect management in agriculture**

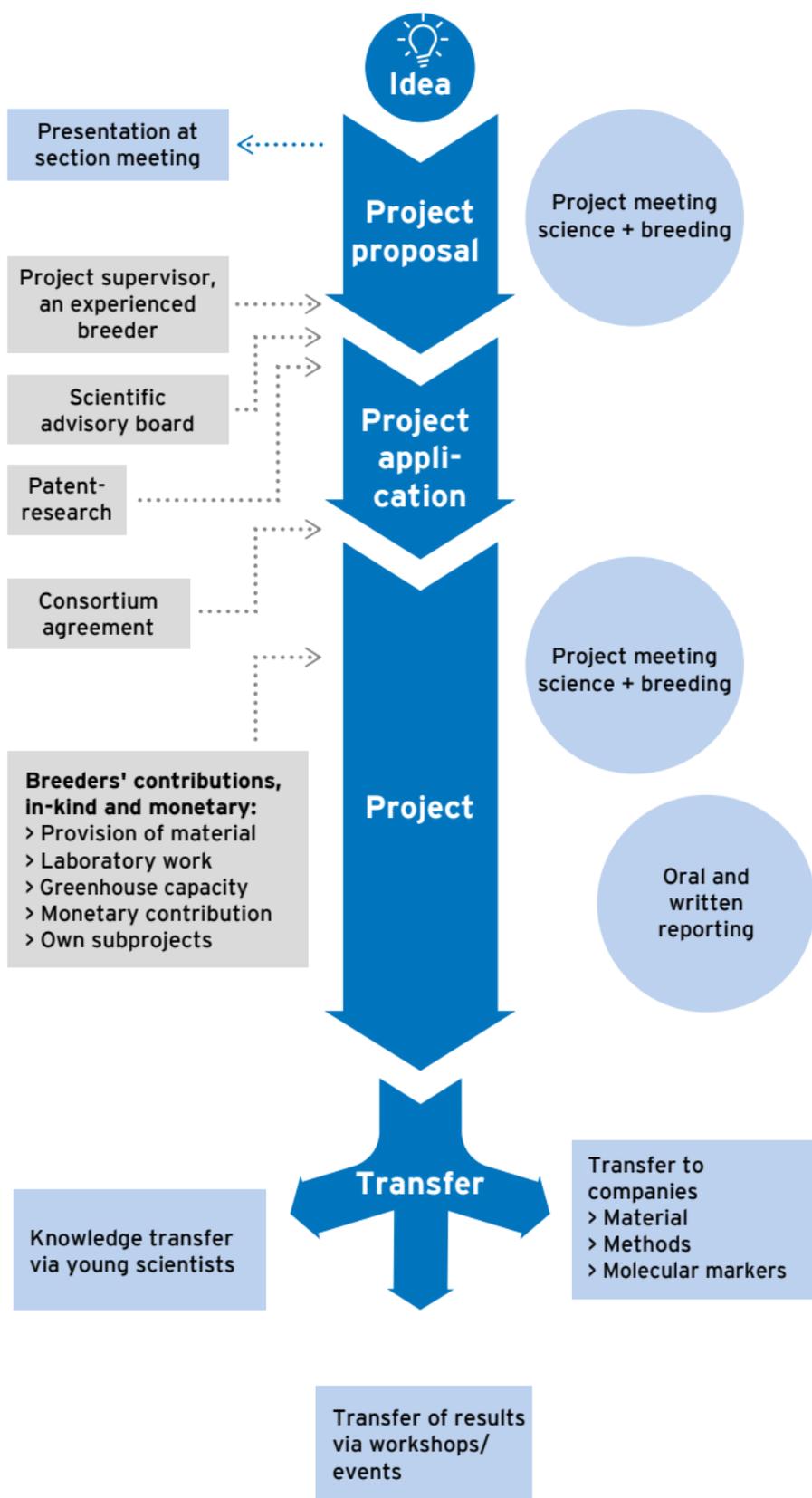
Rising pressure from infestations with animal pathogens, stricter approval criteria for the use of pesticides and an increasing risk of resistance to insecticidal active ingredients in insect populations call for a redirection of focus in plant breeding.

- **Data Science for plant breeding 4.0**

The use of large amounts of data in plant breeding holds immense potential for the efficient implementation of breeding objectives in the development of locally adapted and resilient varieties.



From idea to real-life application



Contact

GFPI is seated in the House of plant breeding in Bonn.
It also runs an EU office in the German House of agriculture
and food in Brussels.

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