

Plantum

**the industry view: accessing plant
genetic resources and harnessing
data for breeding**

Ivo Gariboldi



- Plant breeding: development of new varieties
 - Combining positive traits in one variety for any particular farming system and for any market/consumer preference
- Excellent seed qualities
 - Free from diseases, high germination and seedling vigour



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Plantum Members

- +- 375 members
- Ornamentals
- Field Crops
- Young plant propagation
- Vegetables/Fruits
- others

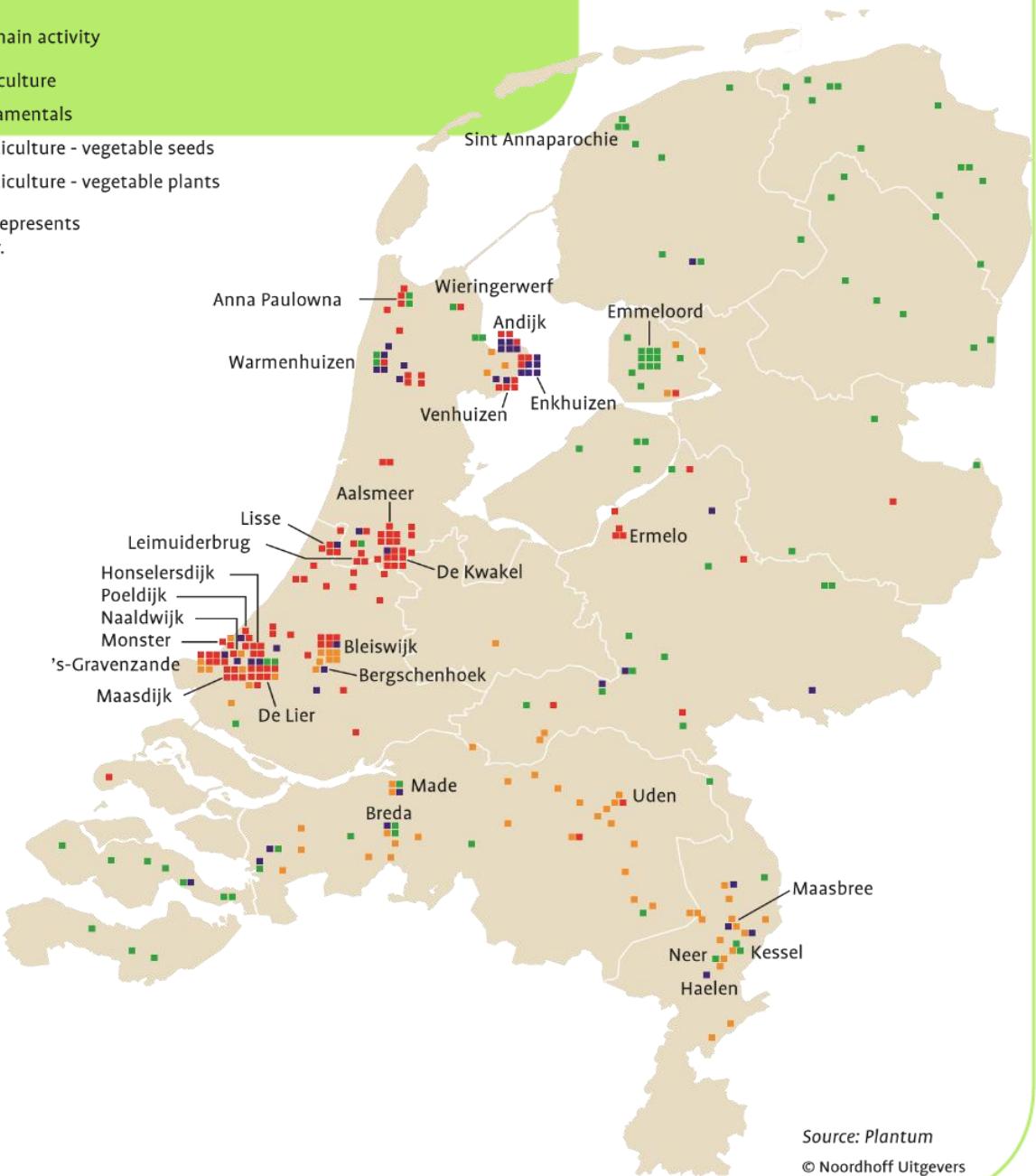
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Companies' main activity

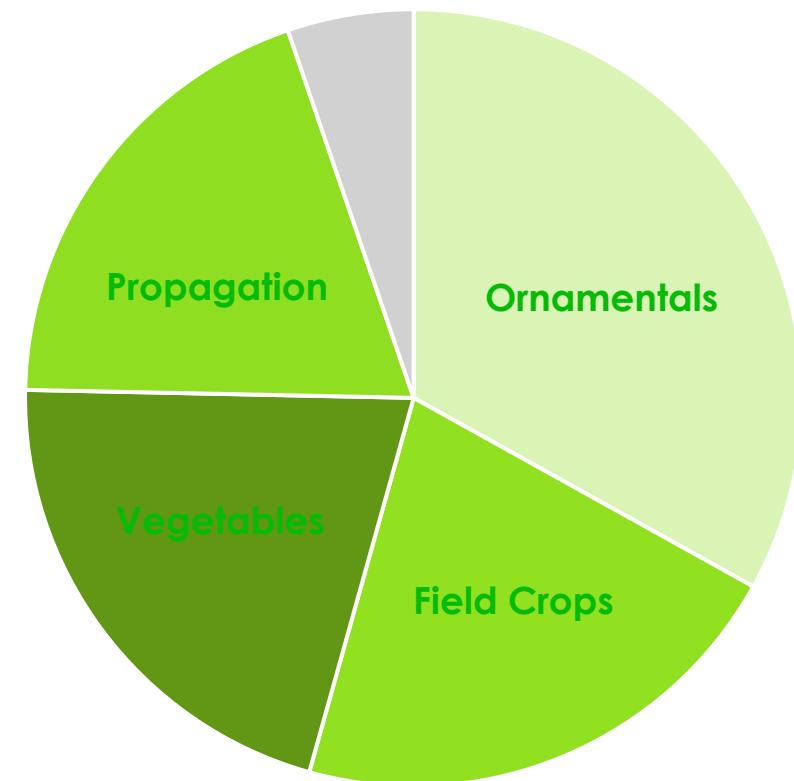
- Agriculture
- Ornamentals
- Horticulture - vegetable seeds
- Horticulture - vegetable plants

Each square represents
one company.



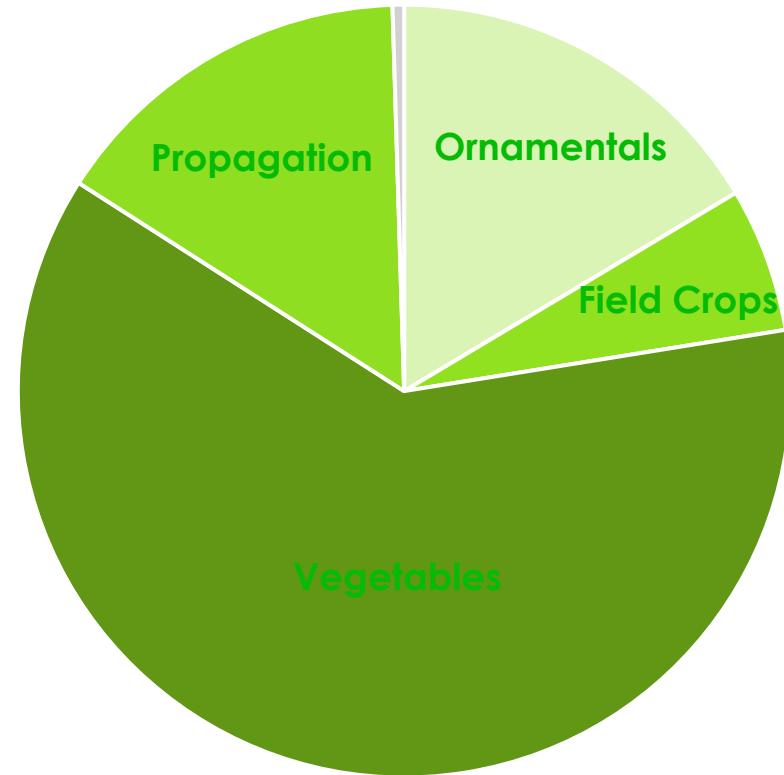
Plantum Member distribution

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Plantum Export value

- +- 375 members
- Export to 170 countries
- Export value: 4,2 billion euro



Plantum Plantum's strategy (2023-2027)

- Three pillars
- Innovation: Biodiversity



Sustainability

Making a decisive contribution to the further sustainability of agriculture and horticulture.



Innovation

An effective intellectual property right and wide access to genetic resources and breeding methods. Those are the basic conditions for innovation.



Market access and phytosanitary

Practicable phytosanitary systems worldwide and clear regulations.

Access to PGR: A breeders perspective

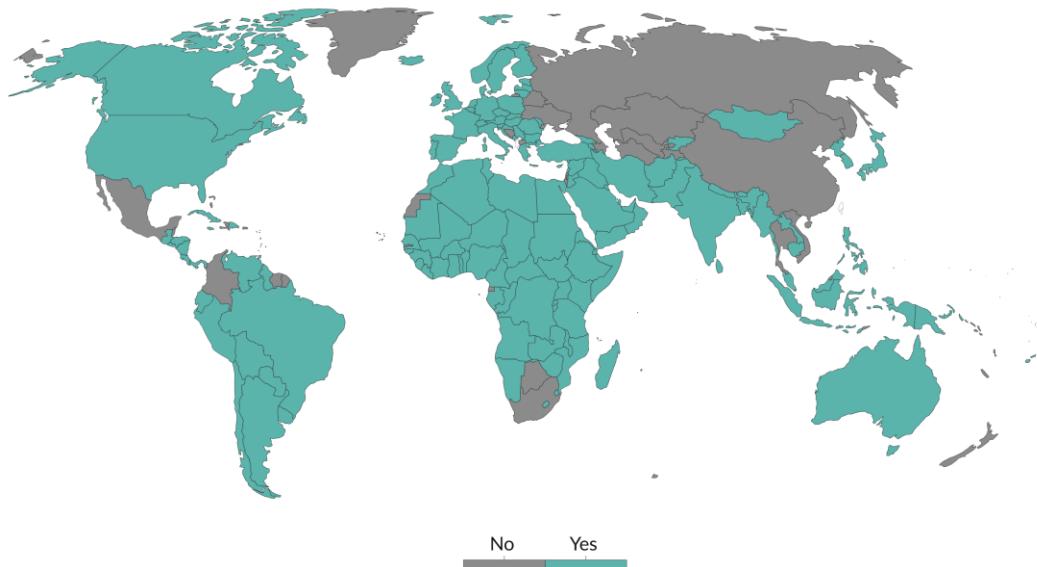
- Need for continuous access to cultivated and non-cultivated PGR for trait screening;
- Depending on the crop, mostly dependent on private collection or commercial varieties;
- Access to high quality collections from e.g. genebanks;

Bottlenecks

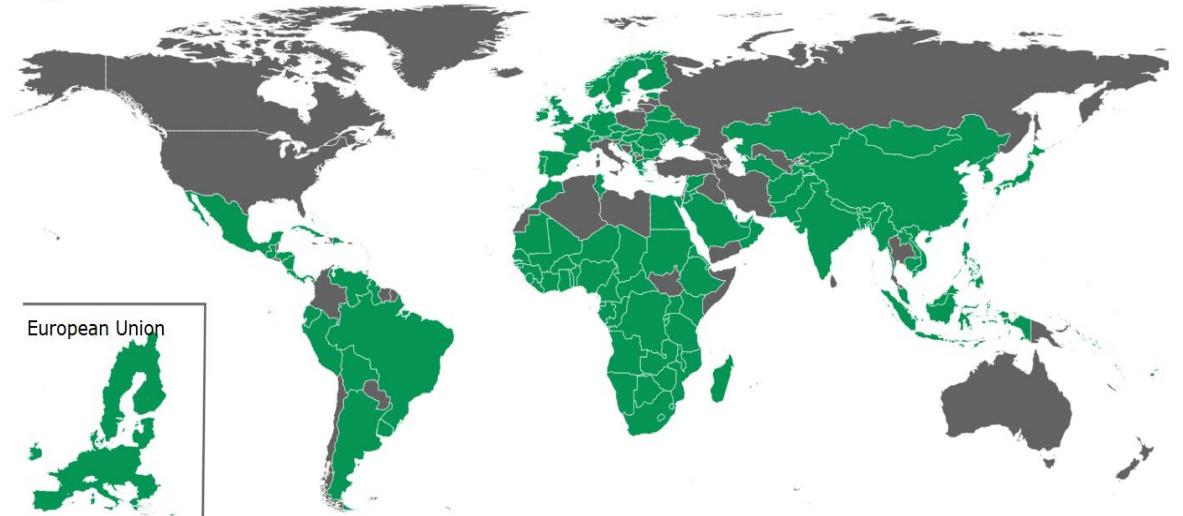
- Access is hampered by increase in complexity and bureaucracy
- Difficult to find and navigate PGR collections
- Low quality of PGR collection annotation: phenotype and genotype

- Access and benefit sharing obligations are increasing in complexity:
- CBD/Nagoya Protocol and ITPGRFA
- DSI
- Legal certainty is a major bottleneck

International Treaty on Plant Genetic Resources for Food and Agriculture



Convention on Biological Diversity



Plantum Challenges

- Plantum members actively support various projects
- Contribution 10 – 15% to CGN: seed multiplication and collection characterisation

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Thank you!

