

Plantum

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

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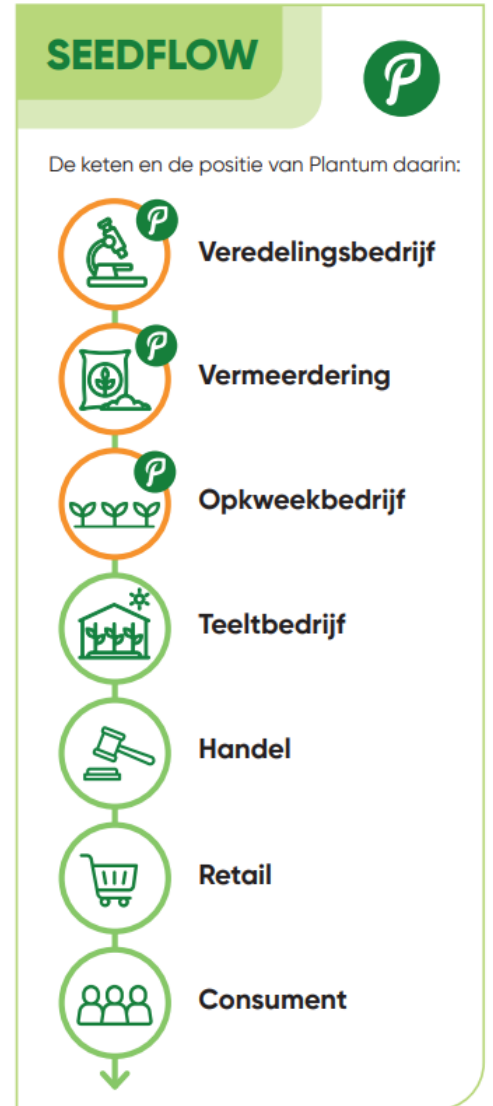
Plantum Plant genetic resources

- 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

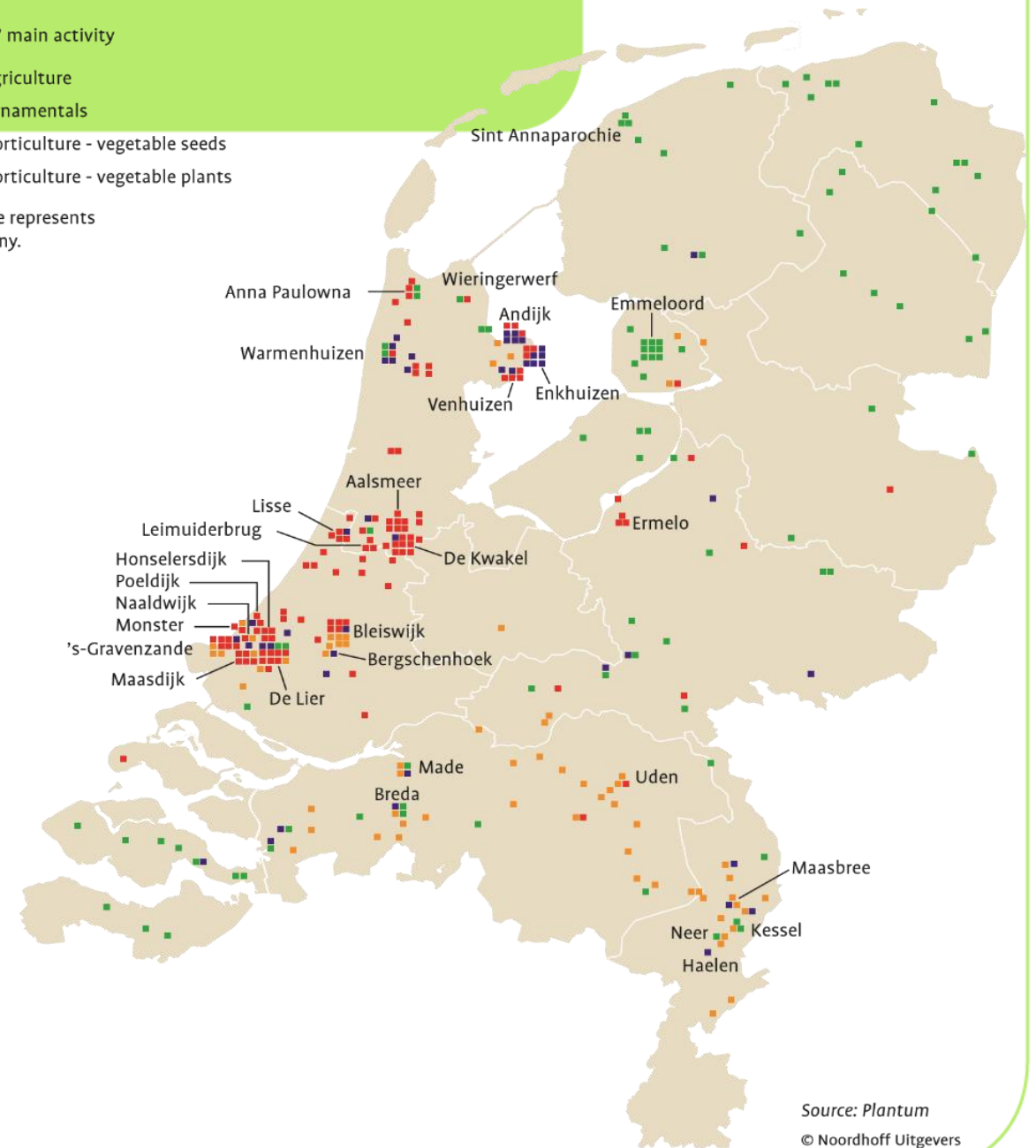
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Companies' main activity



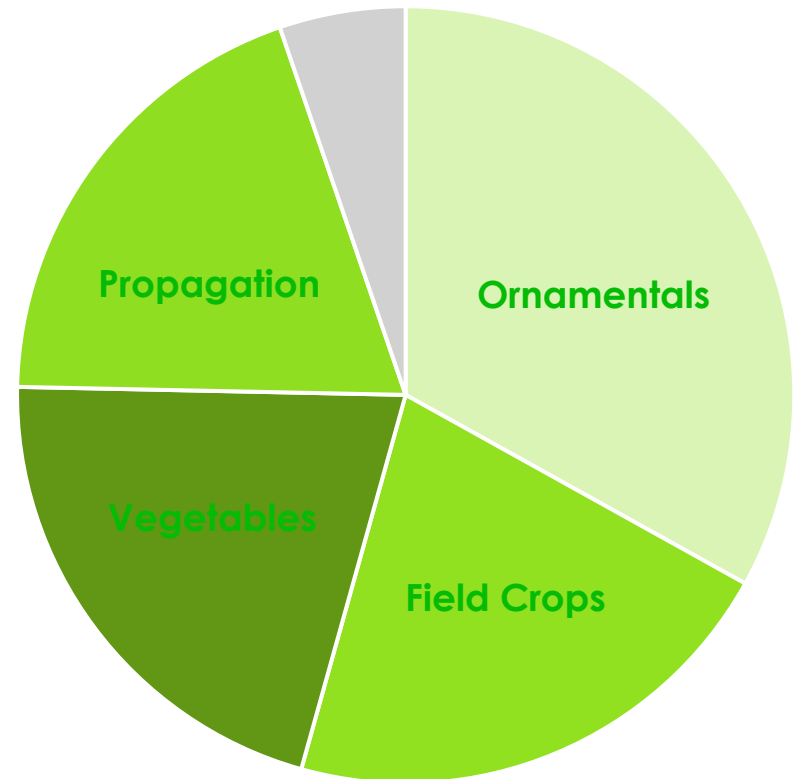
Each square represents one company.



Source: Plantum
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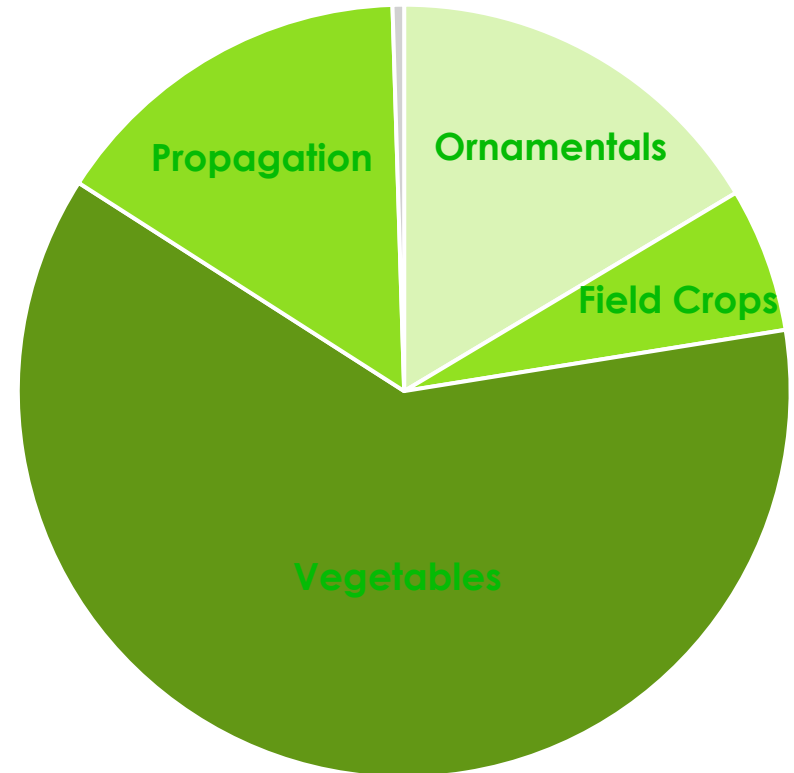
Plantum Member distribution

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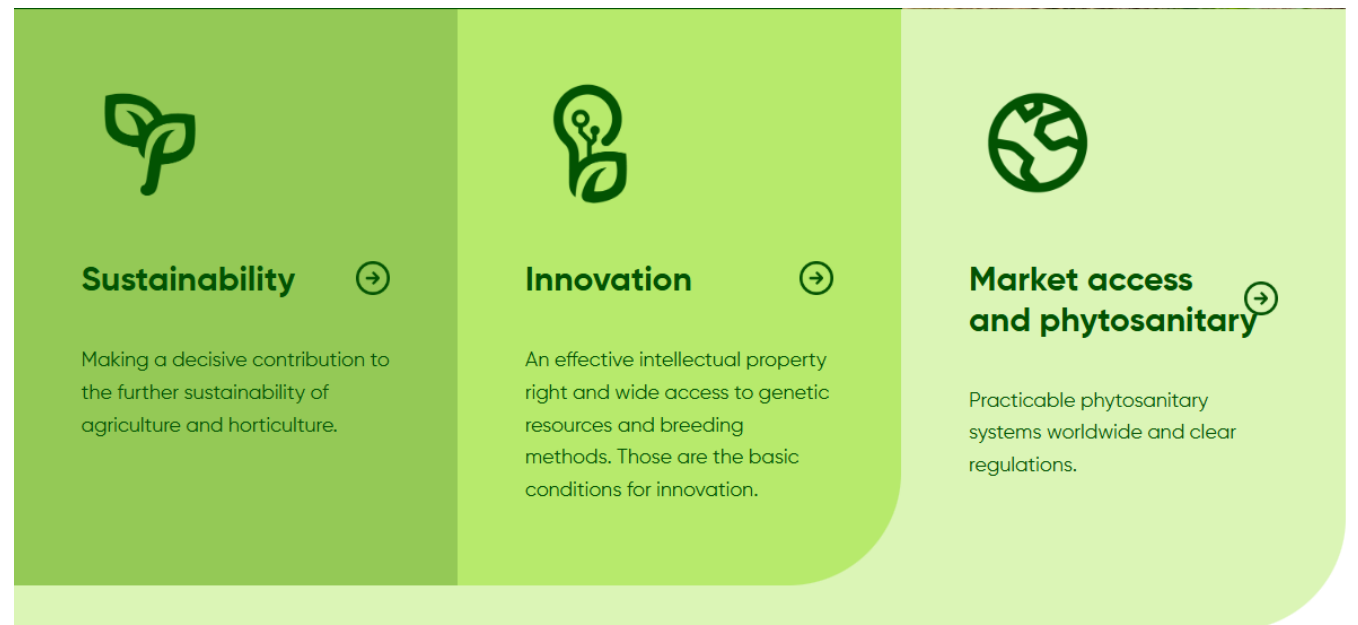
Plantum Export value

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



Plantum Plantum's strategy (2023-2027)

- Three pillars
- Innovation: Biodiversity



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;

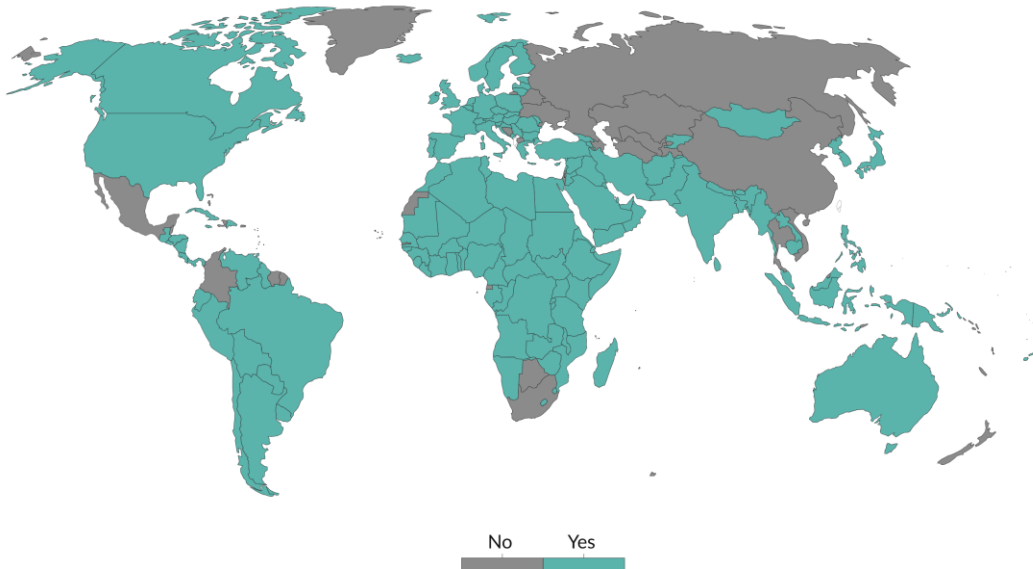
Bottlenecks

- 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

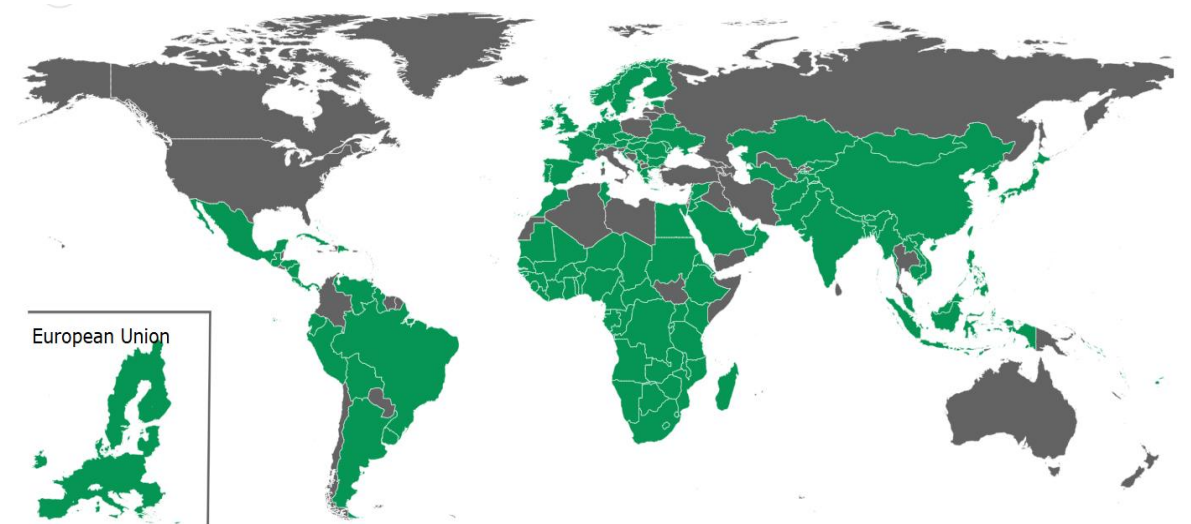
Plantum ABS

- 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

Plantum

Thank you!

