



New Breeding Techniques and the EU legislative framework

by Arend Streng
Patent Specialist at Rijk Zwaan

Sharing a healthy future





Family-owned company

- Since 1924
- Independent
- 30% turnover in R&D
- 2,800 employees in more than 30 countries



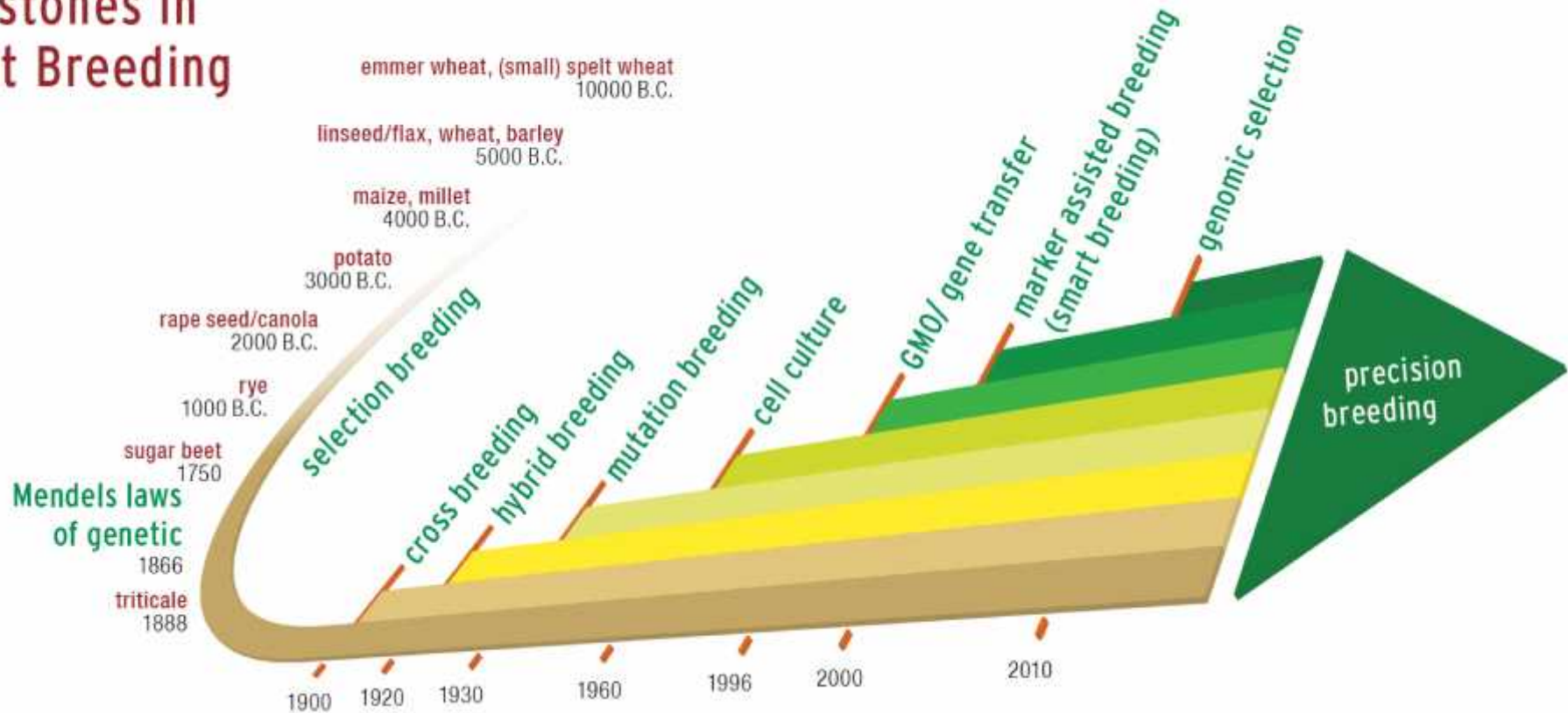
Vegetable Seed Market



- 10 companies, ca. 80% vegetable seed market
- Value global vegetable seed market: € 5 billion
- Worldwide breeding programmes

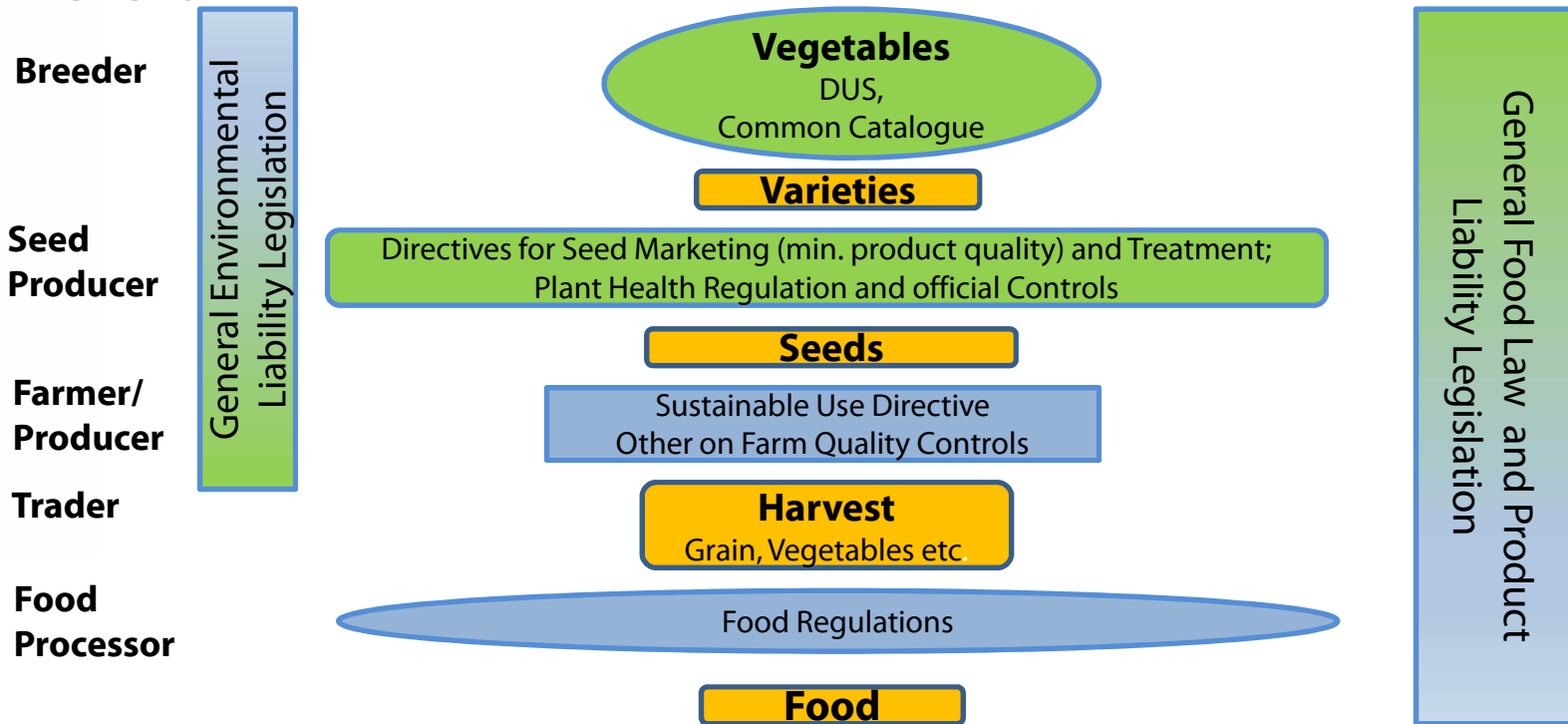
Plant breeding has a long history

Milestones in Plant Breeding



Legislative framework of plant breeding and the production of food

Standard Regulations for all Plant Varieties, Seeds and Resulting Products





Legislative framework on NBT's

Central question:

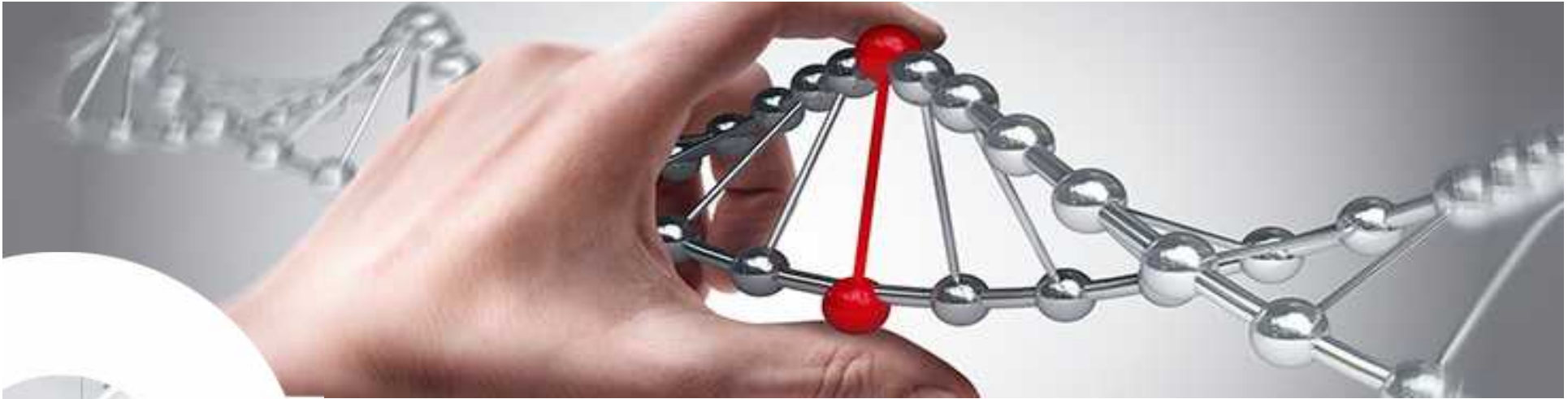
Can the way in which the genetic material
has been altered also occur naturally?



The legislative framework is confronted with challenges

Vegetable varieties are used for breeding and grown for the production of food in all parts of the world.

- sharing each other's innovations
- different legal frameworks



The legislative framework is confronted with challenges

Changes that are made to the genetic material of plant through NBT's cannot be easily distinguished.

- natural occurring mutations
- mutations induced by mutation breeding

Many thanks for your attention

