

Variety collections

Harmonised DNA databases

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TGP/4

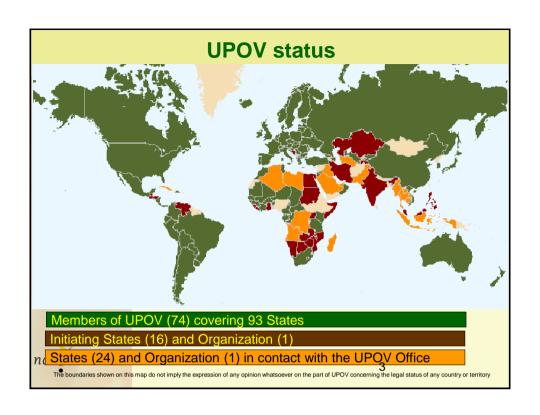
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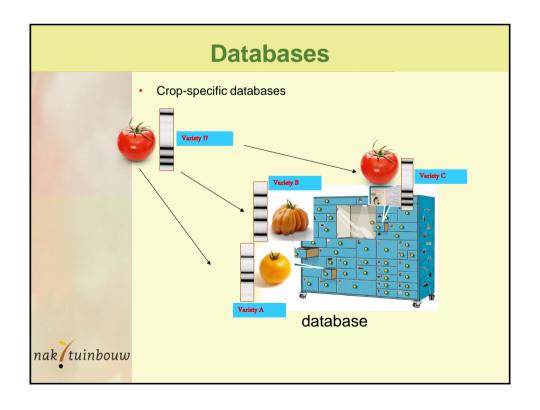
Constitution and maintenance of variety collections.

Article 7 UPOV1991

"a variety shall be deemed to be distinct if it is clearly distinguishable from any other variety whose existence is a matter of common knowledge at the time of the filing of the application."

nak tuinbouw



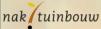


Variety collections - Now









Different databases

- Variety descriptions
- Photo's
- DNA profiles
 - -AFLP
 - -SSR
 - -SNP
- Combined databases
 - Phenotypic + DNA (Potato, Roze, Tomato)

Variety collections - Now







Some examples

Joint (CPVO) phenotypic databases

- Maize / Peach

Difficulties in cooperation

Variety collections - Now







Use

 Selection – similar varieties for comparison

Current problems

- Access not always possible
- Differences in content
- Search tools lacking

Variety collections – In the future



Harmonised Crop databases - DNA

- Validated DNA marker set
- Accessible
- Searchable

Variety collections - In the future



Harmonised Crop databases - DNA

Constraints

- Serious investment needed
 - -Selection appropriate marker set
 - -DNA Profiling existing variety collections
- Choices to be made
 - -Setting up an own / joined database
 - -Make use of existing databases at a cost

Quality in Horticulture