

BMT/15/16 ORIGINAL: English DATE: May 20, 2016

### INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS Geneva

## WORKING GROUP ON BIOCHEMICAL AND MOLECULAR TECHNIQUES AND DNA PROFILING IN PARTICULAR

# **Fifteenth Session**

# Moscow, Russian Federation, May 24 to 27, 2016

TOWARDS DURABLE DNA DATABASES TO SUPPORT DUS TESTING

### Document prepared by an expert from the Netherlands

Disclaimer: this document does not represent UPOV policies or guidance

The Annex to this document contains a copy of a presentation "Towards durable DNA databases to support DUS testing" to be made at its fifteenth session of the Working Group on Biochemical and Molecular Techniques and DNA-Profiling in particular (BMT).

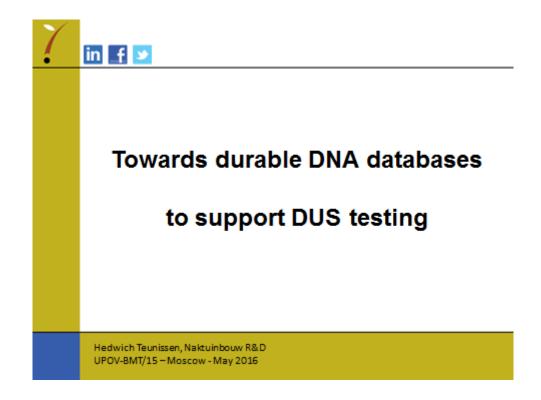
Hedwich Teunissen, Molecular Biologist, Naktuinbouw

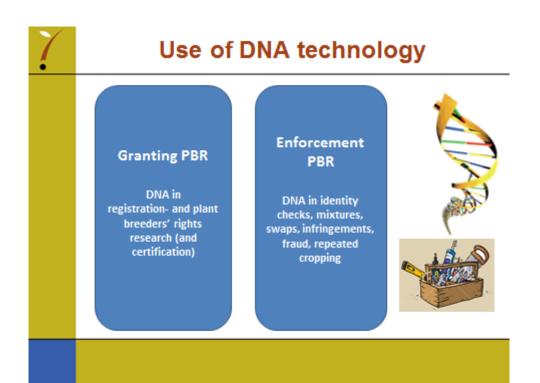
[Annex follows]

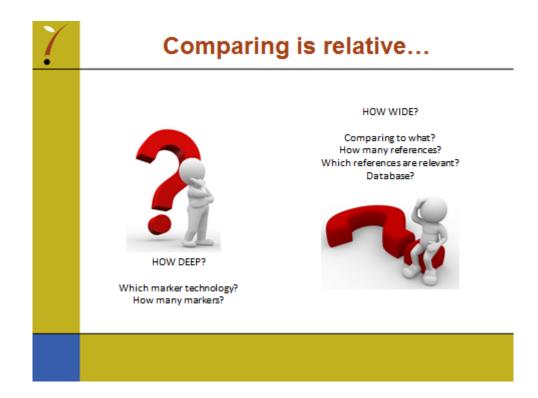
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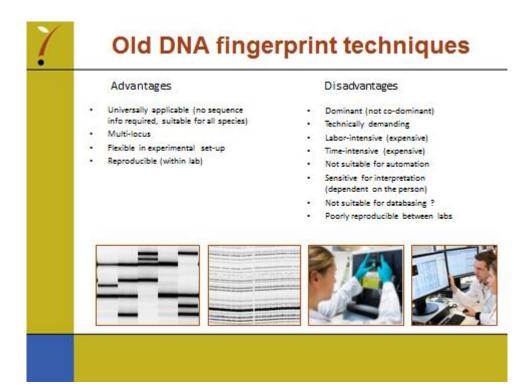
#### ANNEX

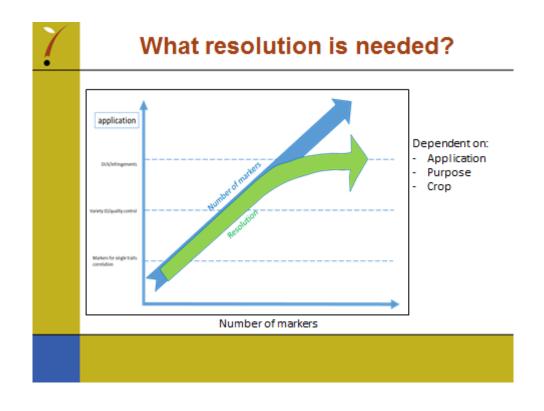
TOWARDS DURABLE DNA DATABASES TO SUPPORT DUS TESTING











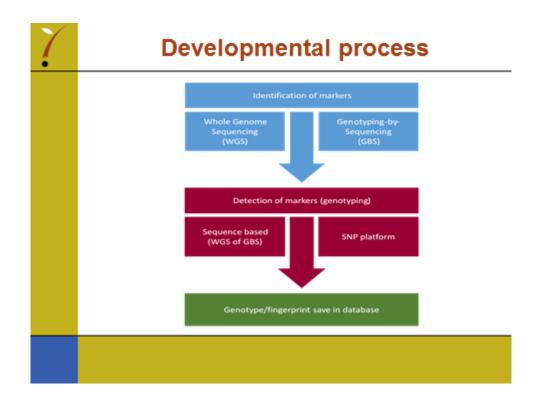


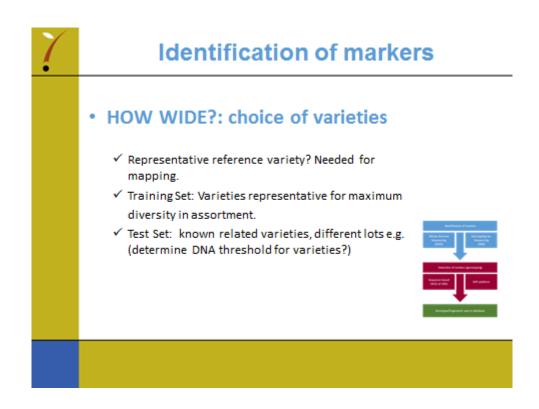
Look at the stars, by eye Low resolution → "old" DNA technology Look at the stars, with modern telescope, Higher resolution New DNA technology → next generation sequencing

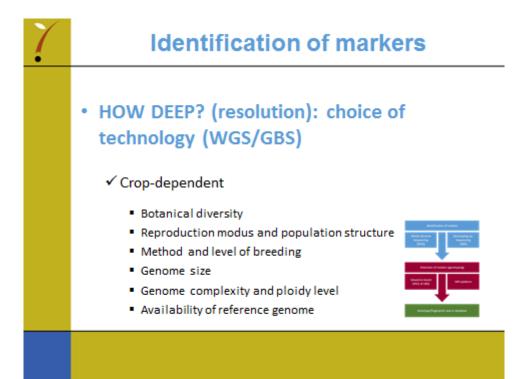


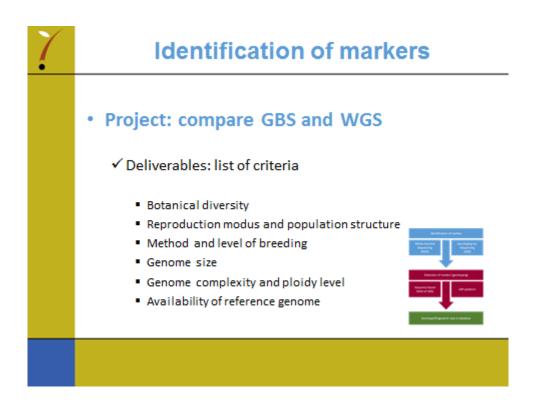
HTS = High Throughput Sequencing

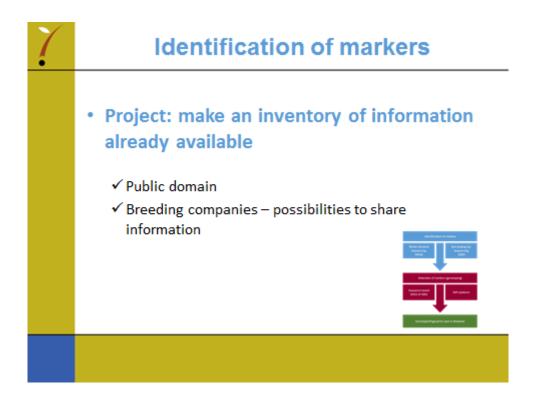


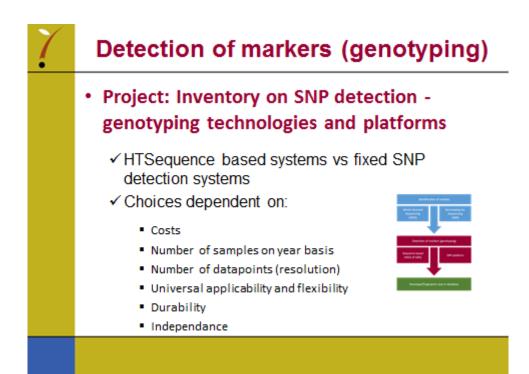


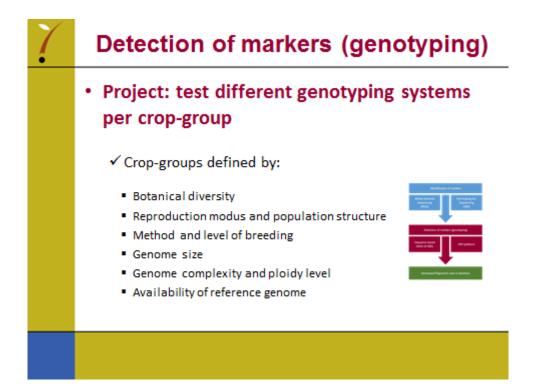


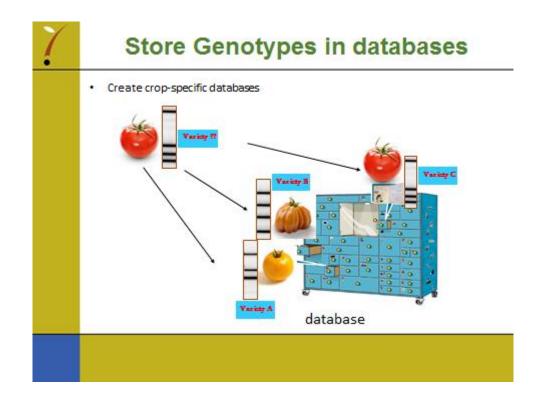


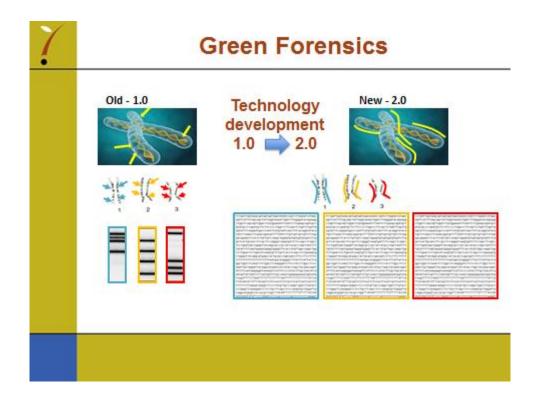


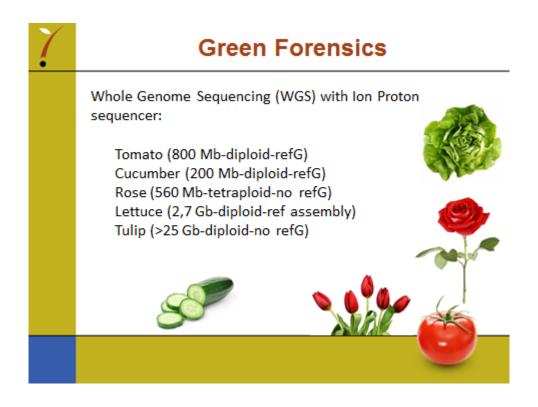


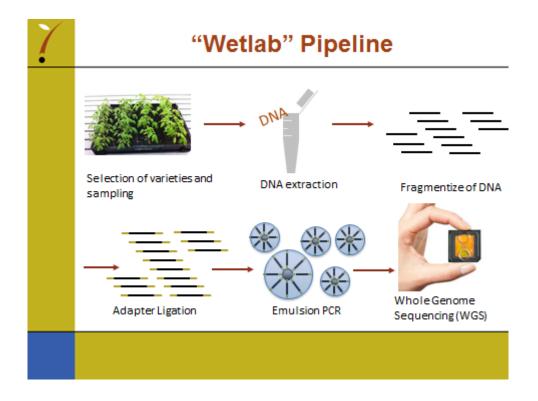


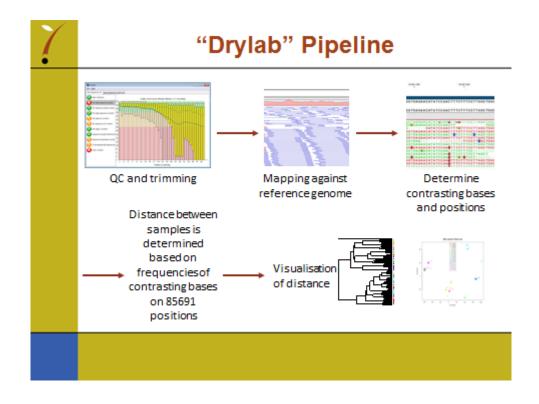


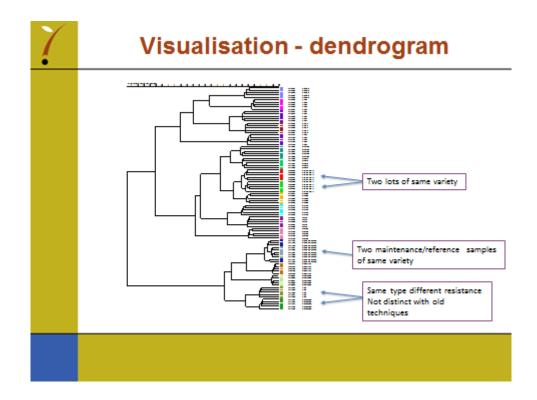


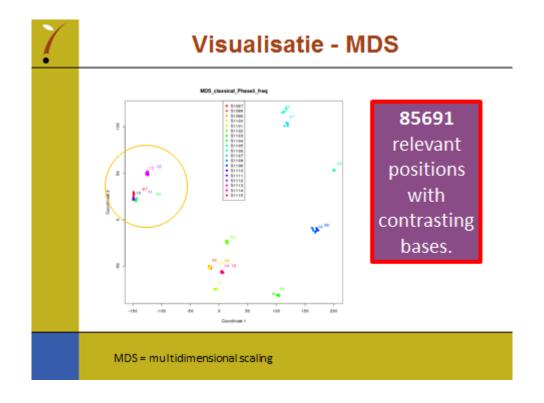


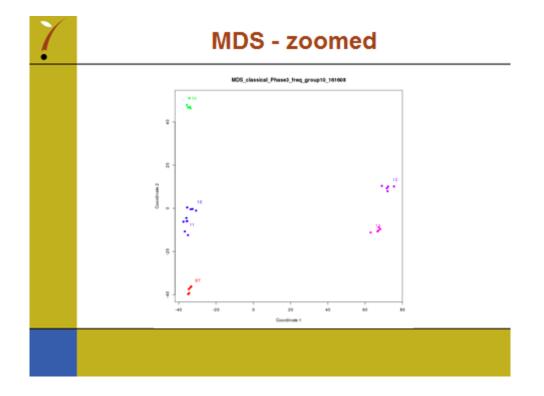


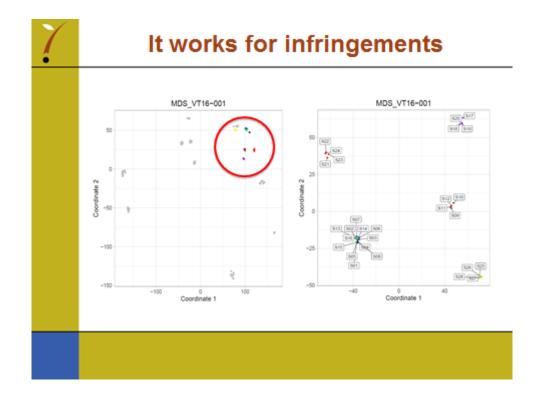


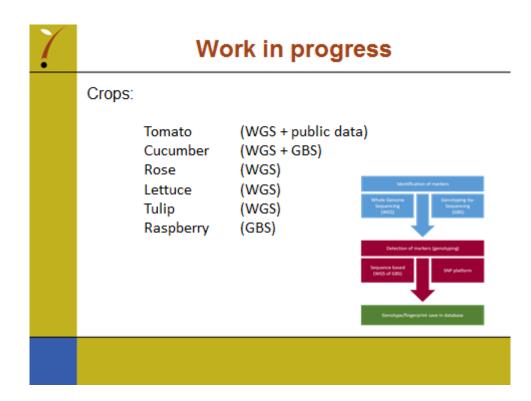














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