

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).

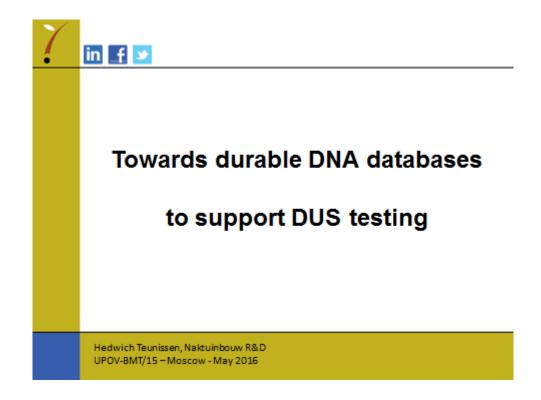
Hedwich Teunissen, Molecular Biologist, Naktuinbouw

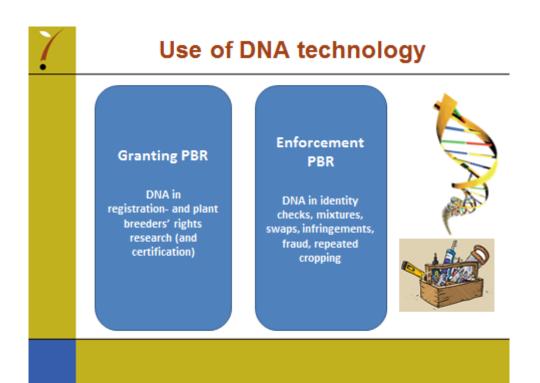
[Annex follows]

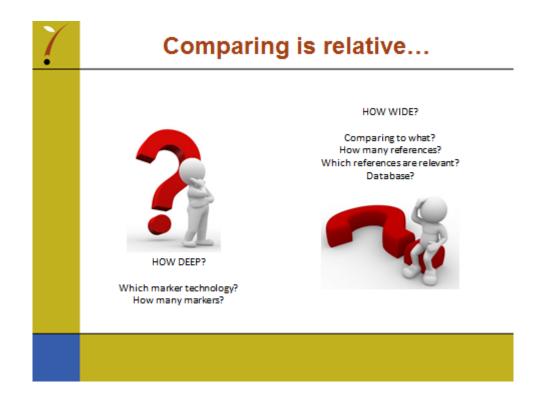
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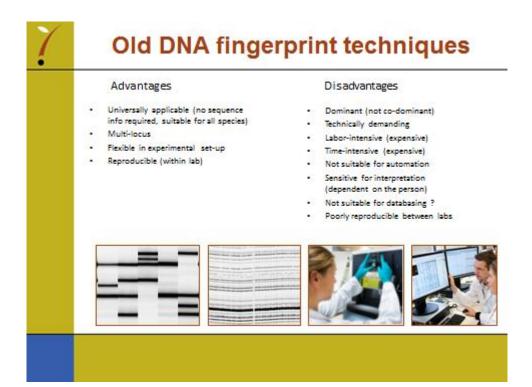
ANNEX

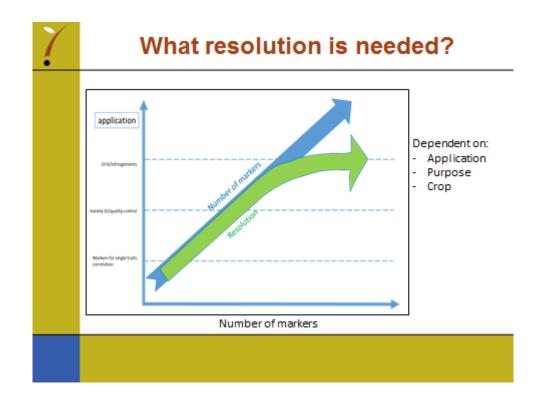
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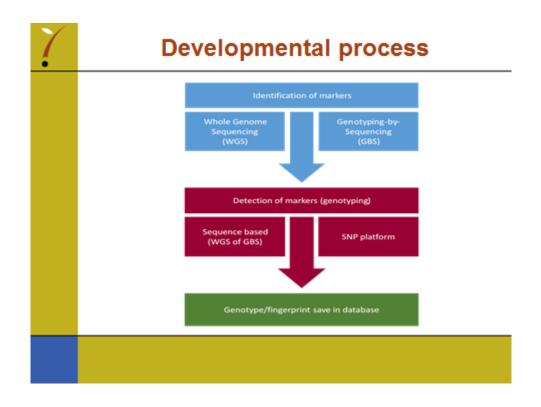


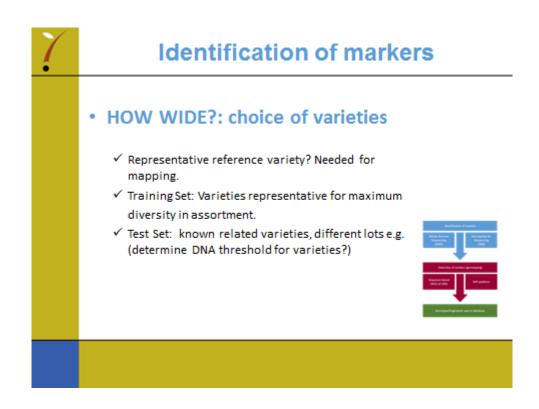
Look at the stars, by eye Low resolution → "old" DNA technology Look at the stars, with modern telescope, Higher resolution New DNA technology → next generation sequencing

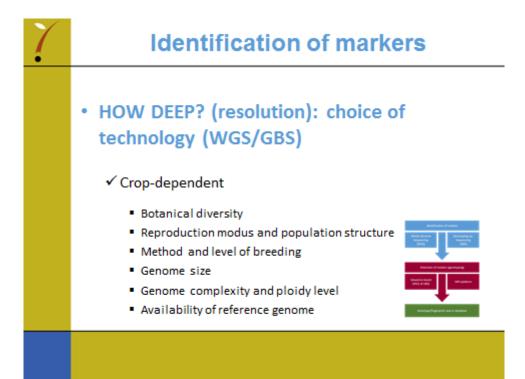


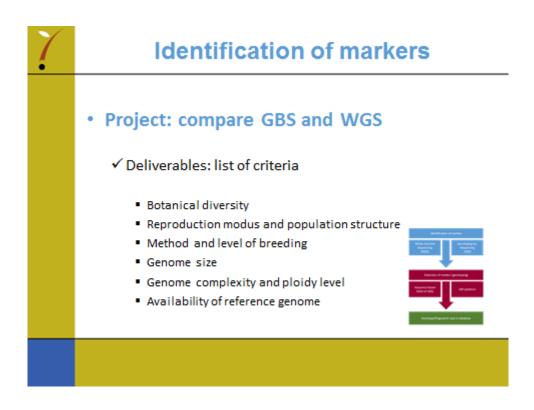
HTS = High Throughput Sequencing

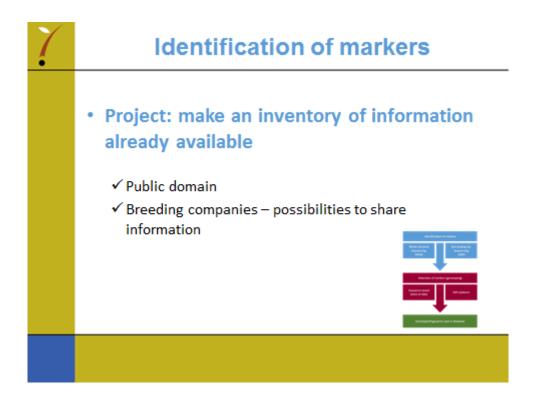


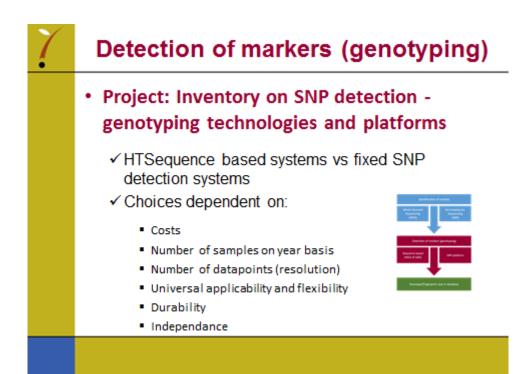


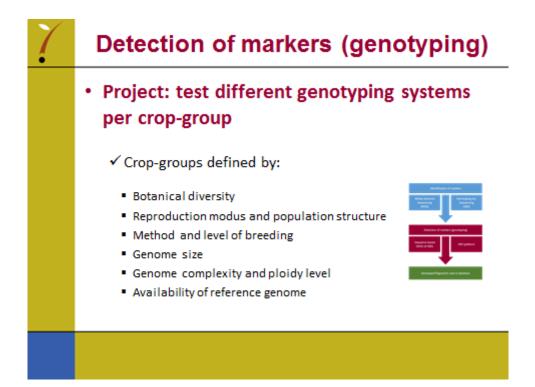


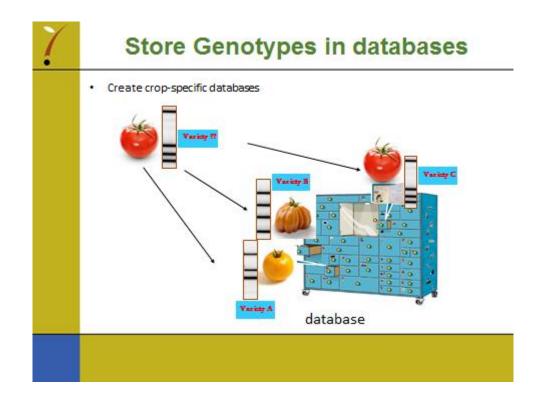


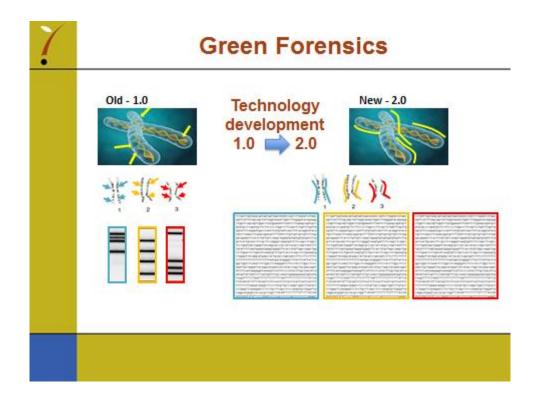


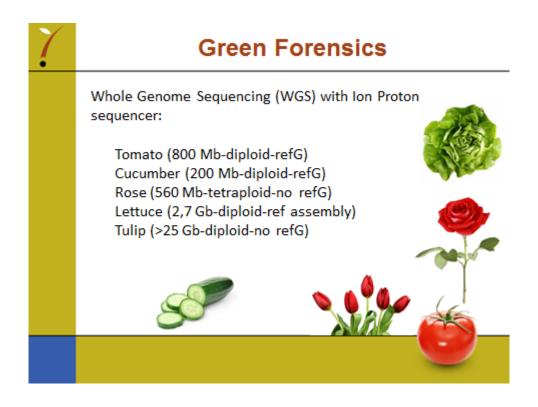


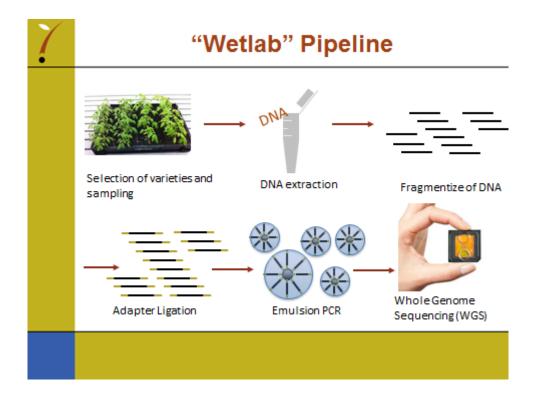


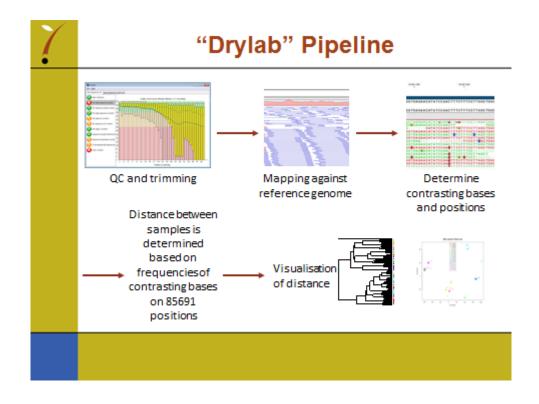


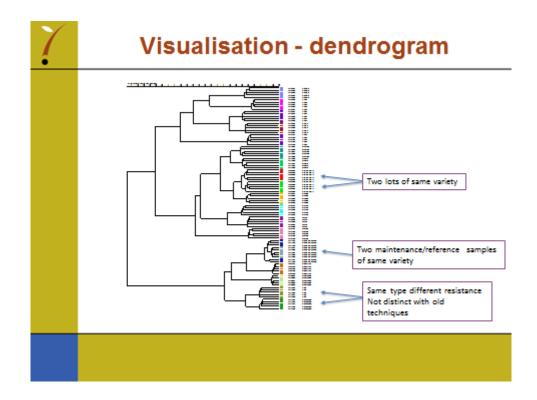


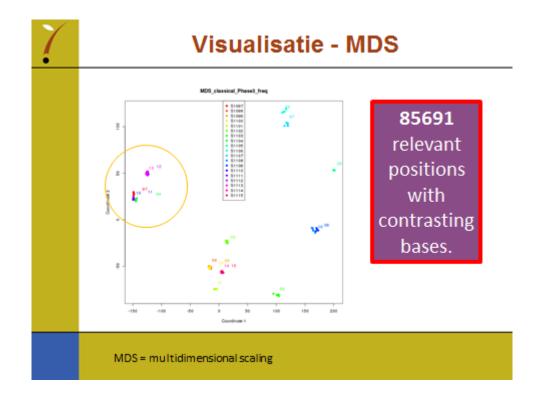


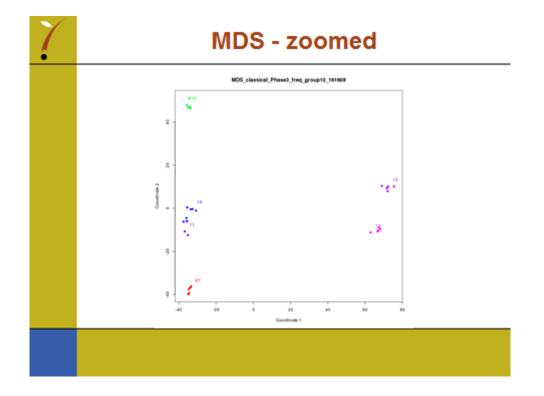


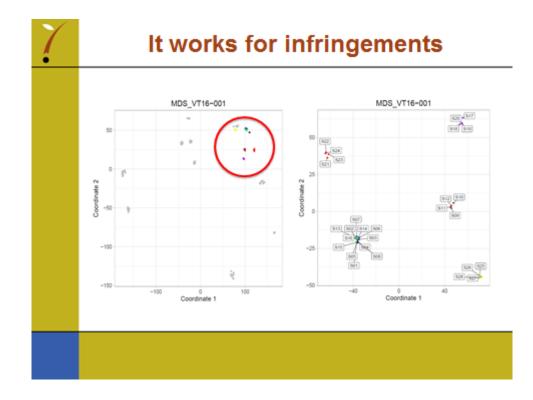


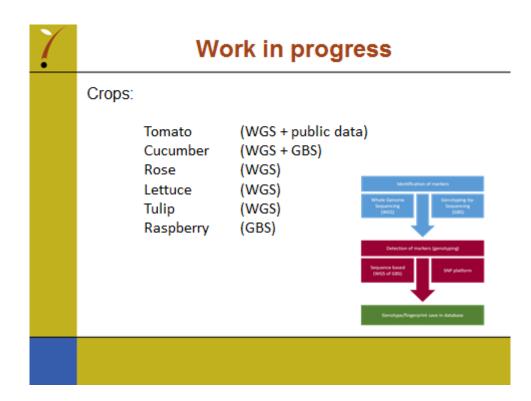














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