# Working Group on Biochemical and Molecular Techniques and DNA-Profiling in Particular

BMT/16/13

Sixteenth Session La Rochelle, France, November 7 to 10, 2017 **Original:** English **Date:** November 2, 2017

#### DNA TECHNIQUES AND VARIETY IDENTIFICATION - 2017 EVALUATION

Document prepared by experts from the Netherlands

Disclaimer: this document does not represent UPOV policies or guidance

The Annex to this document contains a copy of a presentation on "DNA techniques and Variety Identification – 2017 evaluation", prepared by experts from the Netherlands, to be made at the sixteenth session of the Working Group on Biochemical and Molecular Techniques and DNA-Profiling in Particular.

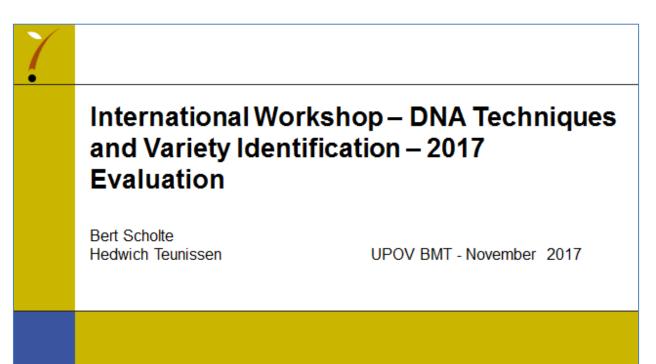
[Annex follows]

#### BMTT/16/13

#### ANNEX

DNA TECHNIQUES AND VARIETY IDENTIFICATION – 2017 EVALUATION

Presentation prepared by experts from the Netherlands



Y	Background / Occasion
	UPOV BMT
	- Seoul (2014)
	- Moscow (2016)
	- La Rochelle (2017)
	Joint workshops
	- OECD (2015)
	- ISTA (2017)

## Purpose of the workshop

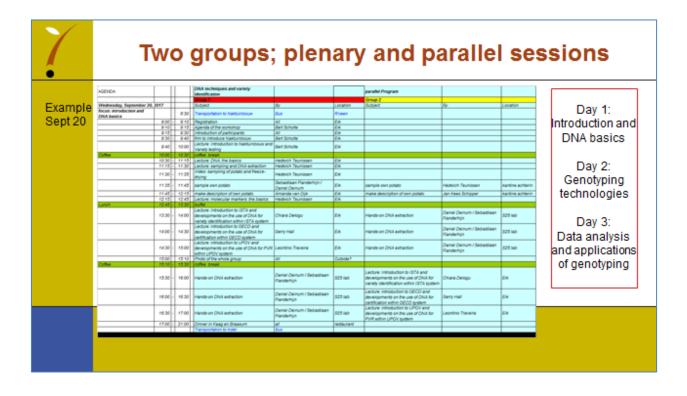


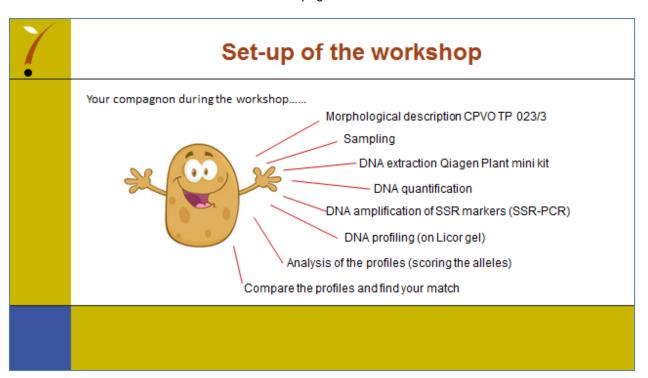
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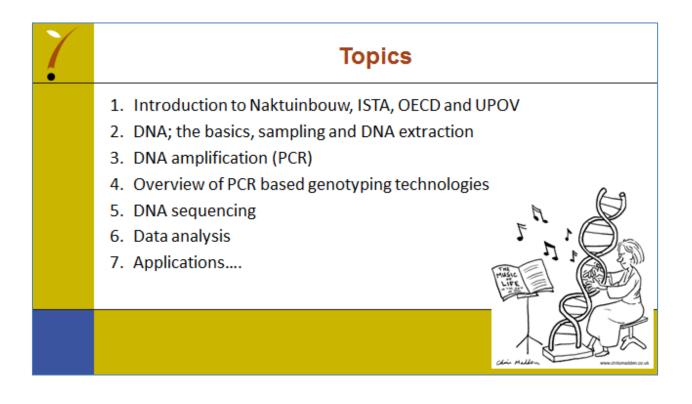
- Developments on the use of DNA in UPOV, ISTA and OECD
- Possibilities of DNA techniques for variety identification
- Overview of the various techniques for basic understanding
- Advantages and disadvantages the do's and don'ts
- For people working in the field of variety testing (DUS, certification, enforcement etc..) without a lab background













### 7. Applications

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- management of reference collections:

-potato system and harmonisation between labs

-maize system (Sept)

-French bean system

-Databases containing DNA profiles in UPOV (Sept)

-Workflow solutions by biotech service providers (May)

-Genotyping for QC by breeding industry (May)

-Variety tracer and enforcement of PBR

Y	Internat	ional DNA	workshop – evaluatio	on
	2017	1st session May 8-10	2nd session September 20-22	
	Participants	37	34	
	Countries	17	20	
	The max number of pa	rticipants was 32 du	e to limited space in the lab.	

# International DNA workshop – evaluation

2017	1st session May 8-10	2nd session September 20-22
Participants	37	34
- DUS background	8	8
- Certification	7	7
- Laboratory	6	4
- Company/ Institute	9	12
- Lawyers / Enforcement	7	1

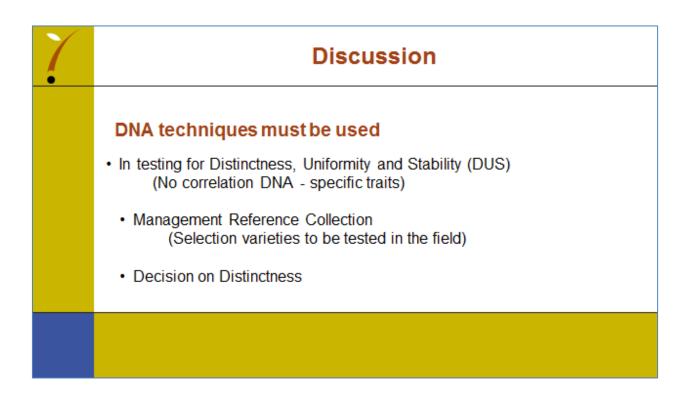
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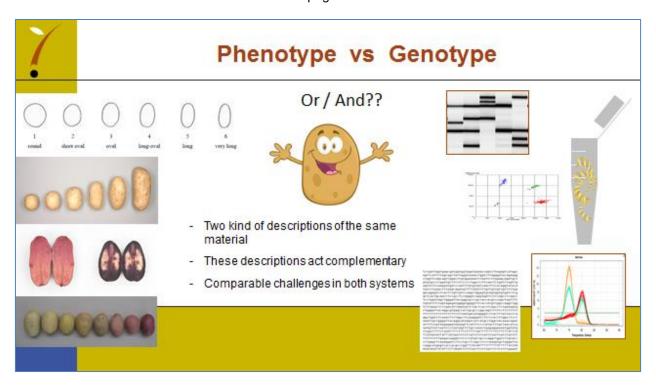
2017 1st session 2nd session
May 8-10 September 20-22
Countries 17 20
- EU AT, CZ, DE, AT, BE, CZ, DK, DK, ES, FR, ES, FR, HU, IRL, IRL, IT, NL, IT, NL, SK, UK PL
- Europe (-EU) N, SRB N, RS, SRB, UA
- Americas COL, MEX, MEX, BRA UR, USA
- Africa SA SA
- Asia - MY



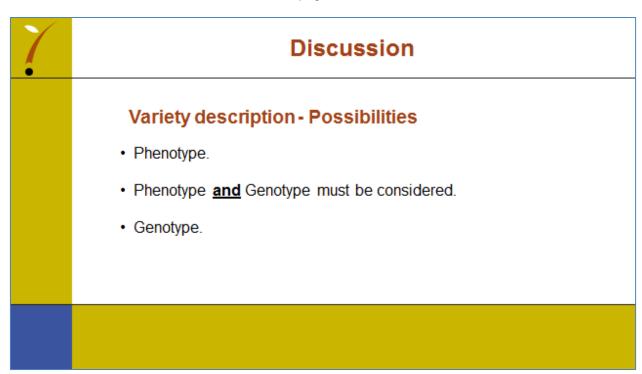
## International DNA workshop – evaluation

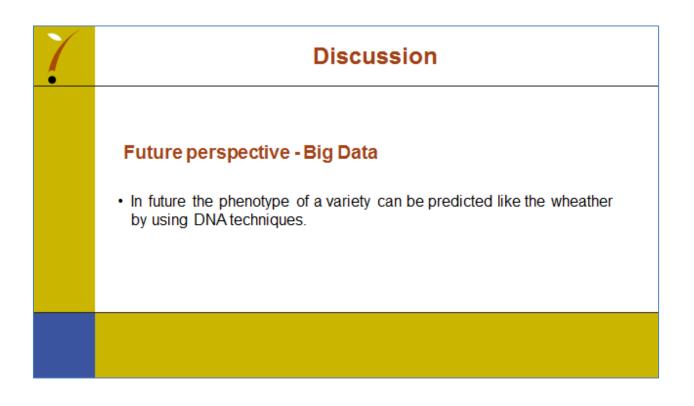
2017	1st session May 8-10	2nd session September 20-22
How do you rate the workshop elements? Topics valuable addition to the program? Scale 1-5	4,4	4,4
Quality of the trainers and the instructions? Scale 1-5	4,4	4,6











Y	And now?
	<ul> <li>Prepare internal workshop to exchange information and knowledge between DUS experts and LAB experts of Naktuinbouw</li> </ul>
	<ul> <li>Why? To speak the same language and know what we might expect from each other</li> </ul>
	Forseen for Oct or Nov 2018
	<ul> <li>Is there a need for another international workshop?</li> </ul>
	Are there other needs?







[End of Annex and of document]