

International Union for the Protection of New Varieties of Plants

Technical Working Party for Vegetables

TWV/55/6

Fifty-Fifth Session Antalya, Turkey, May 3 to 7, 2021

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USE OF DISEASE RESISTANCE CHARACTERISTICS

Document prepared by experts from France and the European Union

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The annex to this document contains a copy of a presentation "Harmorescoll - Towards a European, harmonized collection of reference material for DUS resistance tests", to be made by an expert from France, at the fifty fifth session of the Technical Working Party for Vegetables (TWV).

[Annex follows]

Harmorescoll

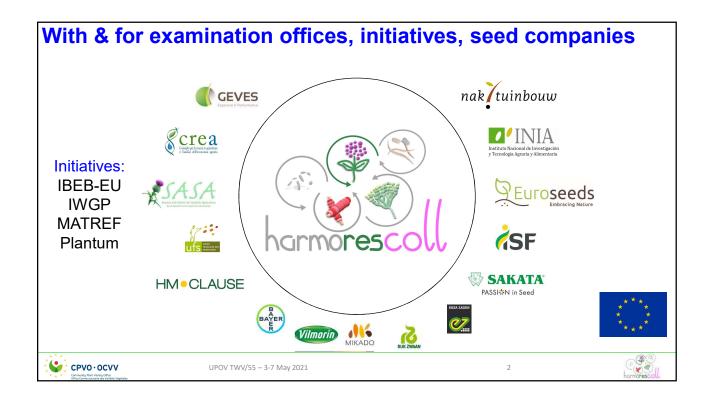
Towards a European, harmonized collection of reference material for DUS resistance tests

Nicolas Denancé

nicolas.denance@geves.fr







From a project to a collaborative platform



Which reference material? How to access it?



harmonized portal to provide accurate information on reference material

- to inform about diversity and providers of reference materials
- · to facilitate access to reference material
- to perform harmonized resistance tests
- to improve reliability and efficiency of resistance tests
- to reduce discrepancies between claims & official results and between official results



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Harmorescoll project: content & organization

WP1

characterization of the future Harmorescoll network and associated list of material

WP2

Inventory & availability of material

WP3

validation of reference material



set up of a list of Harmorescoll reference material



coordination, management, communication

Goals:

defining global strategy

defining the material to play with

organizing series of validation tests

releasing the Harmorescoll list



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WP1: defining global strategy Leader: Bert Scholte Progress (started > completed) • functioning of existing initiatives • governance of the Harmorescoll network • delivery of reference material • validation criteria to guarantee "reference" • release of the list

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Office Community Plant Variety Office

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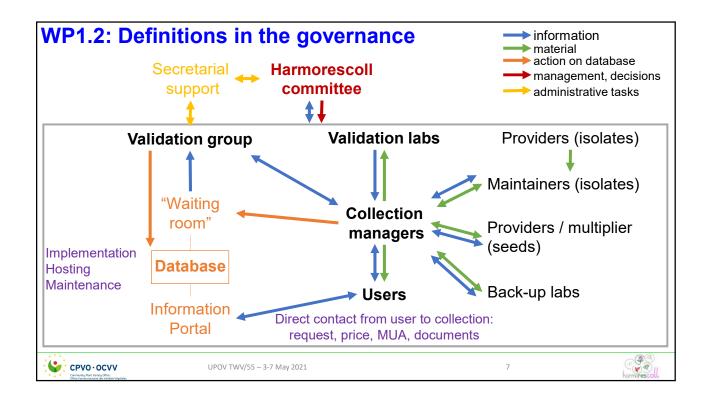
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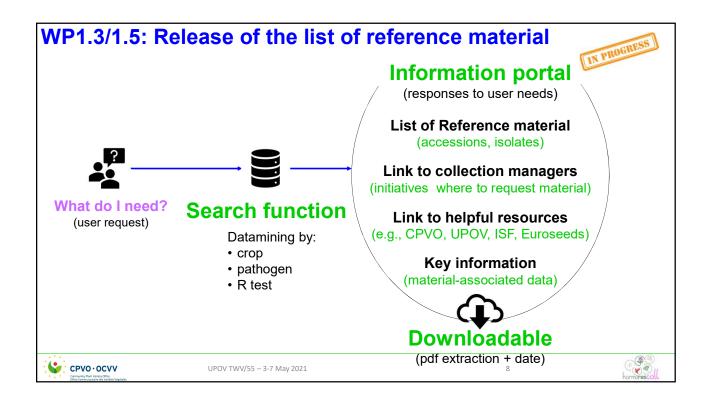
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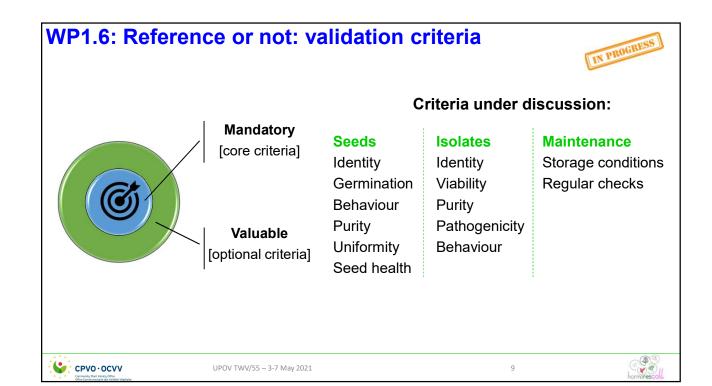
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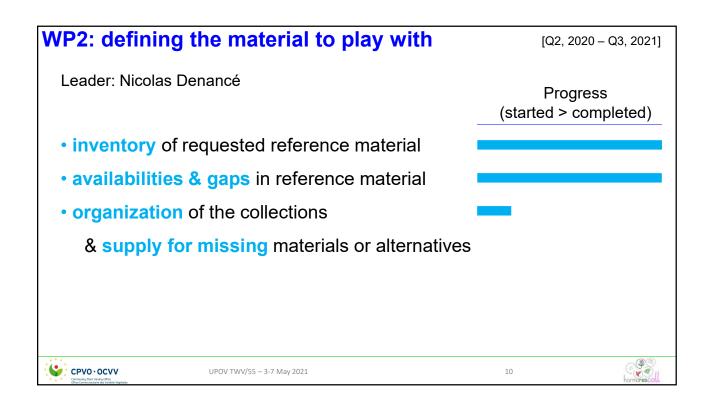
[Q2, 2020 - Q3, 2021]

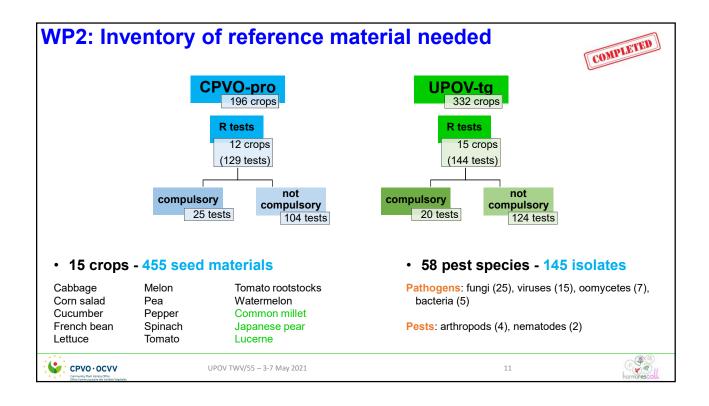
WP1.1: Characterization of existing initiatives COMPLETED Crops Entries systen er entry demand MATREF/GEVES 202 10 € 41-81 1500/year Max. 200 seeds per year for non-men 48 У IBEB/Naktuinbouw/GEVES 16* 5-<u>10 sets/yea</u> у 1 free IWGP/Naktuinbouw free 5-10 sets/yea Seeds n Naktuinbouw n Δ 1 free 1 set/2 years to be decided \$ 50,- or 60, 50% discount for academia *IBEB differentials also counted in MATREF and CPSSI Isolates Crops Name per isolate MATREF/GEVES 82 10 150-500 /vear FVBN € 105,-GEVES 132 **FVBNI** Plantum/Naktuinbouw 82 32 11 € 330,-40-80 /year Max. 4 isolates/user/year; FVBNI Pathogens wgp SASA to be decided CREA 9 39 4 free F 110, V 136, B 120, N 175** INIA € 110-175, 4/year *IBEB isolates also counted in PIC and MATREF **F=fungi, V=viruses, B=Bacteria, N= Nematodes Tips to define governance & strategy

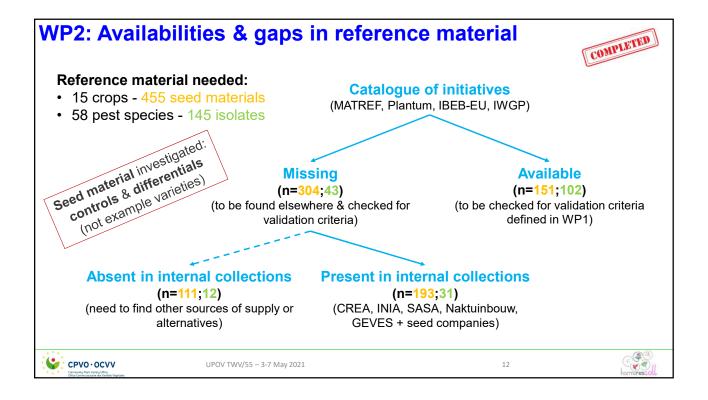








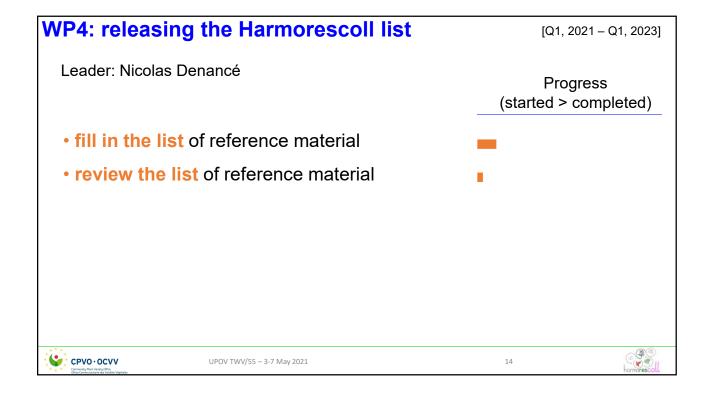




WP3: organizing series of validation tests Leader: Sophie Perrot Progress (started > completed) • performing validation tests (isolates) • performing validation tests (seeds)

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Take home message

Harmorescoll wish to become a user-friendly platform

- Providing reliable information on Reference Materials
- To improve efficiency & trust in DUS resistance tests
- For the benefit of the European EOs and the seed industry





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