CPVO
Community Plant Variety Office

CPVO Report on IMODDUS

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Background

- The CPVO Administrative Council adopted a R&D Strategy for the period 2015-2020

- The strategy includes the set up of a CPVO BMT working group for the promotion of the use of bio-molecular techniques in DUS testing and variety identification.

- Its name is CPVO **IMODDUS** which stands for **I**ntegration of **MO**lecular **D**ata into **DUS** testing.

Background

- IMODDUS works as a think-tank on developing a strategy on how to integrate BMT into DUS testing
- IMODDUS has a **practical approach** which aims to assist the CPVO identifying and assessing R&D project proposals for species where BMT is could improve the cost efficiency of DUS testing

Terms of reference for CPVO-IMODDUS

Membership

- Experts from entrusted EOs having knowledge and practical experience on the use of BMTs in DUS testing;
- Experts from the breeding industry with experience on the use of such techniques for studies in plant varieties
- Observer experts from research institutions, universities etc.

Meetings

- IMODDUS meets to discuss R&D proposals from the CPVO crop experts groups or other sources.
- Keep the group small for efficient discussions

Reporting

- To the President of the CPVO, who reports to the Admin. Council
- To the CPVO crop experts groups
- To the UPOV BMT working group

Terms of reference for CPVO-IMODDUS

The role of CPVO-IMODDUS (essential criteria)

- Constitute a forum for discussion on the use of biochemical and molecular techniques in DUS testing
- Assists the CPVO in assessing R&D project proposals focusing on the application or further study of BMT for DUS testing
- Advises the Office in setting up a strategy for the involvement of BMT in DUS testing procedures

Projects having received a positive assesment

- **Apple**: "Developping a toolbox to distinguish apple mutants for DUS testing"
- **Roses:** "The development of a harmonised and validated SNP marker set for Roses"
- **Tomato**: "The creation of a joint EU database with DNA data of Tomato"
- **Durum wheat**: "Integration of molecular data into DUS testing in Durum wheat"

Thanks for your attention

Analyzing genomic DNA from plant samples, collected using leaf punches

(Photo source: AmericanSeed)