



BMT/14/Joint/5

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DATE: November 24, 2014

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

Geneva

OECD/UPOV/ISTA JOINT WORKSHOP ON MOLECULAR TECHNIQUES

Seoul, Republic of Korea, November 12, 2014

EXISTING AREAS OF COOPERATION BETWEEN OECD, UPOV AND ISTA

Document prepared by the Office of the Union

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The Annex to this document contains a copy of a presentation “Existing Area of Cooperation between OECD, UPOV and ISTA” made at the OECD/UPOV/ISTA Joint Workshop on Molecular Techniques.

[Annex follows]

OECD/UPOV/ISTA JOINT WORKSHOP ON MOLECULAR TECHNIQUES

Existing areas of cooperation between OECD, UPOV and ISTA

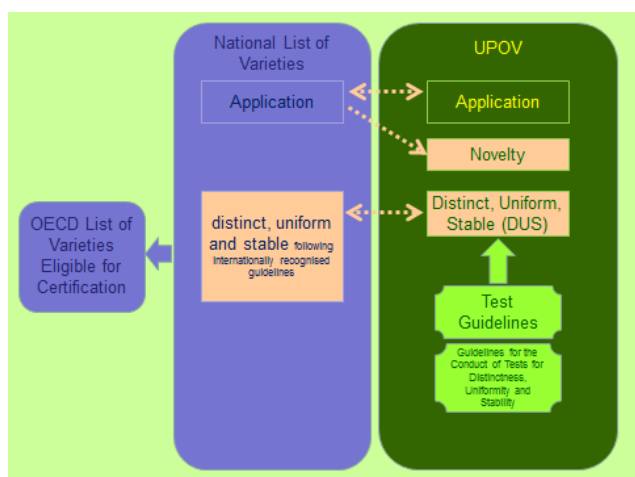
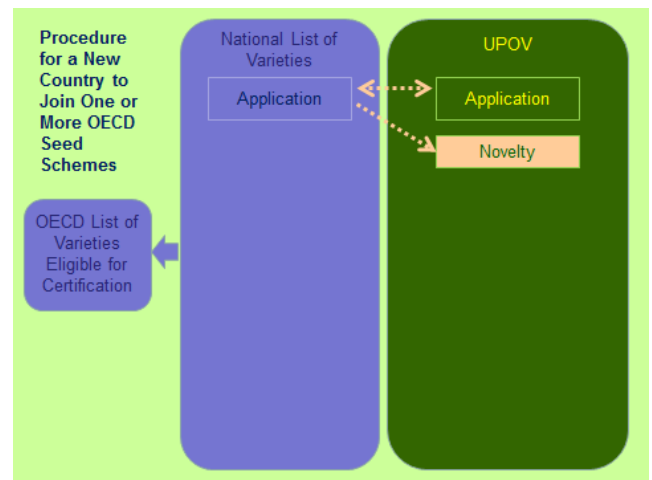
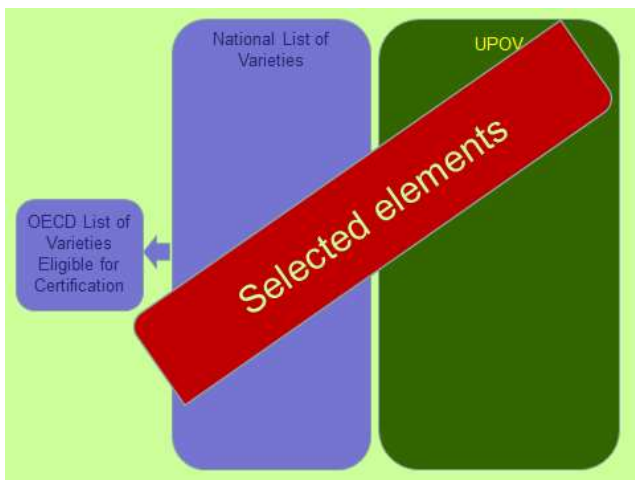
Peter Button
Vice Secretary-General, UPOV

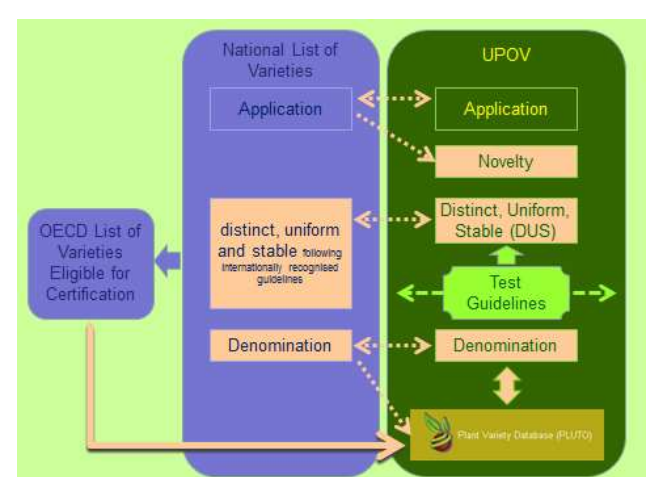
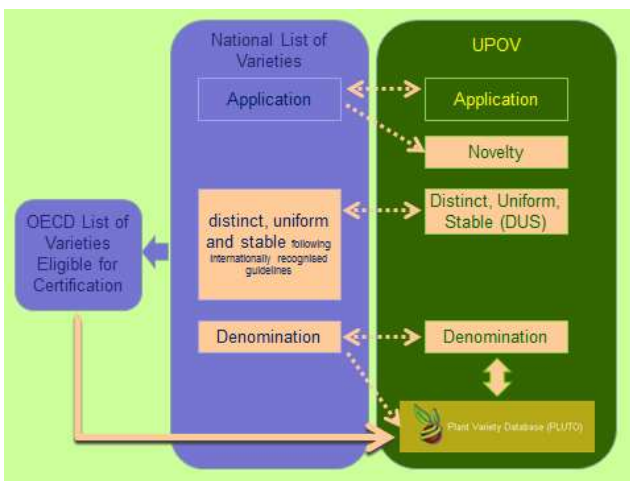
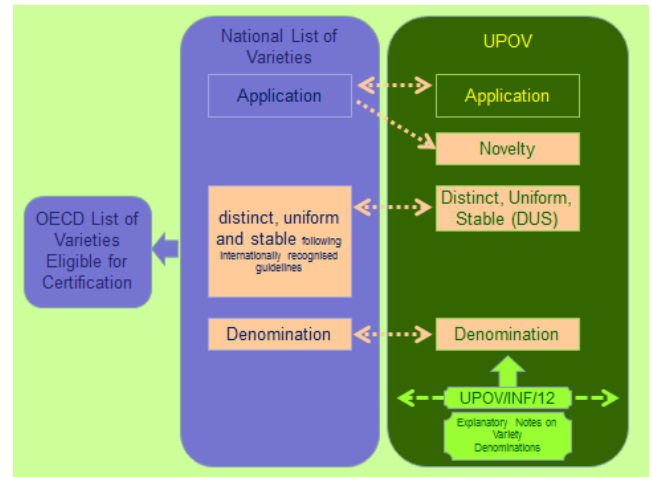
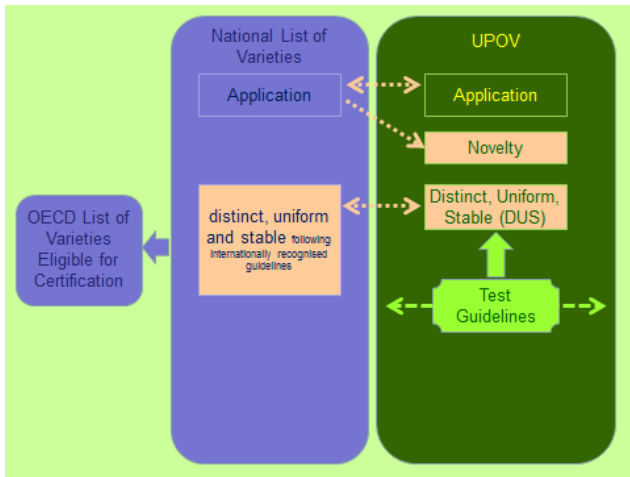
Seoul, Republic of Korea, November 12, 2014

Preview

- UPOV-OECD
- UPOV-OECD-ISTA (molecular techniques)

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Preview

- UPOV-OECD
- **UPOV-OECD-ISTA**
(molecular techniques)

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Coordination between International Organizations

- The UPOV Technical Committee (TC) received the following presentations from the relevant international organizations*.

Situation with regard to use of molecular techniques in relation to seeds in the International Organization for Standardization	in Mr. Michael Sussman (ISO) * Presented by Mr. Paul Zankowski (United States of America)
Situation with regard to use of molecular techniques in the International Seed Association	Ms. Rita Zecchinelli (ISTA)
Situation with regard to use of molecular techniques in the Organisation for Economic Co-operation and Development	Mr. Michael Ryan (OECD)

(presentation slides available at: http://upov.int/meetings/en/details.jsp?meeting_id=28343)

See document TC/49/41 "Report on the Conclusions"

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Coordination between International Organizations

At the 49th session of the TC:

- **UPOV** TC agreed to propose to hold a coordinated meeting of the fourteenth session of the **BMT** with meetings of other relevant international organizations in 2014
- Mrs. Zecchinelli indicated the support of **ISTA** for a joint meeting with UPOV
- Mr. Ryan indicated the support of **OECD** for a joint meeting with UPOV
- TC endorsed the initiative for a joint meeting with **ISO, ISTA and OECD and including breeders**, as a means of supporting the role of the BMT in relation to (i), (ii), (iv), (vi) and particularly (viii) below

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Coordination between International Organizations

The BMT is a group open to DUS experts, biochemical and molecular specialists and plant breeders, whose role is to:

- Review general developments** in biochemical and molecular techniques;
- Maintain an awareness** of relevant applications of biochemical and molecular techniques in plant breeding; [...]
- If appropriate, establish **guidelines for biochemical and molecular methodologies and their harmonization** and, [...]
- Develop **guidelines regarding the management and harmonization of databases of biochemical and molecular information**, in conjunction with the TWG;

...

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STATUS OF UPOV DOCUMENTS CONCERNING MOLECULAR TECHNIQUES

ADOPTED

Document reference	Title
UPOV/INF/17/1	Guidelines for DNA Profiling: Molecular Marker Selection and Database Construction ("BMT Guidelines")
UPOV/INF/18/1	Possible Use of Molecular Markers in the Examination of Distinctness, Uniformity and Stability
Document reference	Title
TGP/15	Guidance on the Use of Biochemical and Molecular Markers in the Examination of Distinctness, Uniformity and Stability (DUS)

Document reference	Title
UPOV/INF/17/1	Guidelines for DNA Profiling: Molecular Marker Selection and Database Construction ("BMT Guidelines")

The purpose of this document (BMT Guidelines) is to provide guidance for developing **harmonized methodologies** with the aim of generating high quality molecular data **for a range of applications**. The BMT Guidelines are also intended to address the **construction of databases** containing molecular profiles of plant varieties [...]

WORKING GROUP ON BIOCHEMICAL AND MOLECULAR TECHNIQUES,
AND DNA-PROFILING IN PARTICULAR (BMT)
Seoul, Republic of Korea, November 10 to 13, 2014 / Preparatory Workshop, November 9, 2014 / Joint Workshop, November 12, 2014

Activity, Date: 11	Activity, Date: 12	Activity, Date: 13
UNIT MEETING Item 1. Opening of the session Item 2. Adoption of the agenda Item 3. Welcome to the participants and the OECD	(Immersion Day) Item 5. Variety identification	OECD, GPOV, ISTA JOINT WORKSHOP ON MOLECULAR TECHNIQUES 9:00 Item 3. Welcome and opening 9:10 Item 2. Introduction to the OECD Seed

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|---|--|--|------------------------------------|
| <p>Item 3. Report on the developments in LCA</p> <p>Item 8. Short presentations on publications</p> | | <p>Schemes and the situation with regard to technical facilities</p> <p>Item 10. Introduction to LCA</p> <p>Item 11. The state of the art</p> <p>Item 12. Future LCA</p> | |
| COFFEE | COFFEE | COFFEE | COFFEE |
| Item 9. Report of work on molecular techniques in a crop-pesticide system | Item 3. Variety identification (cont.) | Item 10. Introduction to LCA and the situation with regard to technical facilities | Item 13. Report of the LCA session |
| Item 10. Variations in pesticide use in soft-seeded crops | Item 4. Examining essential nutrition | Item 11. Report 8. Existing areas of cooperation between LCA, LCCO, LPPD and ISA | Item 14. Closing of the session |
| LUNCH | LUNCH | LUNCH | SESSIONS END |
| Item 9. Report of work on molecular techniques in a crop-pesticide system (cont.) | Item 3. Variety identification (cont.) | Item 10. Opportunities for cooperation between LCA, LCCO, LPPD and ISA with regard to technical facilities (discussion) | |
| | Item 4. Examining essential nutrition | Item 11. Closing | |
| | Item 5. Variety description (discussion) | | |
| COFFEE | COFFEE | COFFEE | |
| Item 9. Report of work on molecular techniques in a crop-pesticide system (cont.) | Item 5. Methods for analysis of | Item 9. Report of work on molecular techniques in a crop-pesticide system (cont.) | |

WORKING GROUP ON BIOCHEMICAL AND MOLECULAR TECHNIQUES, AND DNA-PROFILING IN FORENSICS (EMT)				
Seoul, Republic of Korea, November 10 to 13, 2014 / Preparatory Workshop, November 9, 2014 / Joint Workshop, November 12, 2014				
Monday, Nov. 10		Tuesday, Nov. 11		Wednesday, Nov. 12
10:00 MEETING		(Snowday Day)		Thursday, Nov. 13
Item 1. Opening of the session		Item 3. Variety identification	08:00 OPENING LIAISON WORKSHOP ON BIOCHEMICAL AND MOLECULAR TECHNIQUES	Item 3. Report of work on molecular techniques on a cross-forcive basis (a/c)
Item 2. Adoption of the agenda		Item 4. Variety identification	9:00 Item 1. Motivation and opening	Item 3. International Solidarity
Item 3. Reports on developments in ECVI			9:10 Item 2. Introduction to the ECVI Seed Schemes and the relation with regard to molecular techniques	Item 11. Data/Place of last attack
Item 4. Short presentations by participants			9:50 Item 3. Introduction to ECVI and the relation with regard to molecular techniques * Item 4. A Short presentation - 10min Q&A session * Item 5. Short presentation - 10min Q&A session	Item 12. International Solidarity
COFFEE	COFFEE	COFFEE	COFFEE	COFFEE
Item 1. Report of work on molecular techniques on a cross-forcive basis (a/c)	Item 3. Variety identification (a/c)	Item 3. Variety identification (a/c)	11:00 Item 2. Introduction to ECVI and the relation with regard to molecular techniques	Item 13. Report of the session
Item 2. Examinations essential evidence	Item 4. Variety identification (a/c)	Item 4. Variety identification (a/c)	11:40 Item 3. Examinations of cooperation between ECVI, ECVI and ECVI between ECVI, ECVI and ECVI	Item 14. Closing of the session
Item 3. Report of work on molecular techniques on a cross-forcive basis (a/c)	Item 5. Examinations essential evidence	Item 5. Examinations essential evidence	12:00 Item 4. Descriptions for cooperation between ECVI, ECVI and ECVI between ECVI, ECVI and ECVI between ECVI, ECVI and ECVI	
LUNCH	LUNCH	LUNCH	LUNCH	SESSIONS END
Item 1. Report of work on molecular techniques on a cross-forcive basis (a/c)	Item 6. Examinations essential evidence	Item 6. Examinations essential evidence	12:20 Item 7. Closing Item 7. Variety identification evidence	
COFFEE	COFFEE	COFFEE	COFFEE	
Item 1. Report of work on molecular techniques on a cross-forcive basis (a/c)	Item 7. Examinations essential evidence	Item 7. Examinations essential evidence	Item 8. Report of work on molecular techniques on a cross-forcive basis (a/c)	
Item 2. Examinations essential evidence	Item 8. Report of work on molecular techniques on a cross-forcive basis (a/c)	Item 8. Report of work on molecular techniques on a cross-forcive basis (a/c)		

[End of Annex and of document]