

TWC/30/36

**ORIGINAL:** English **DATE:** June 18, 2012

### INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

Geneva

## TECHNICAL WORKING PARTY ON AUTOMATION AND COMPUTER PROGRAMS

Thirtieth Session
Chisinau, Republic of Moldova, June 26 to 29, 2012

#### REPORT ON DEVELOPMENTS WITHIN UPOV AND WEB BASED TG TEMPLATE

Document prepared by the Office of the Union

- 1. Annex I to this document contains a copy of a presentation "Report on Developments within UPOV" prepared by the Office of the Union for the thirtieth session of the Technical Working Party on Automation and Computer Programs.
- 2. Annex II to this document contains a copy of a presentation "Web Based TG Template" prepared by an expert from Australia and the Office of the Union for the thirtieth session of the Technical Working Party on Automation and Computer Programs.

[Annexes follow]

#### ANNEX I

# The Technical Working Party on Automation and Computer Programs

Thirtieth Session

# REPORT ON DEVELOPMENTS WITHIN UPOV

Chisinau, Republic of Moldova June 26 to 29, 2012

### **OVERVIEW**

- Members & People
- Future event
- New website
  - general features
  - new databases (PLUTO & UPOV Lex)
  - access to information
- Electronic application form
- DUS and technical developments

- Members & People
- Future event
- New website
  - general features
  - new databases (PLUTO & UPOV Lex)
  - access to information
- Electronic application form
- DUS and technical developments

3

# MEMBERSHIP OF UPOV 70 Members

New Members

Peru as of Aug. 8, 2011

Ratification of 1991 Act

**France** 

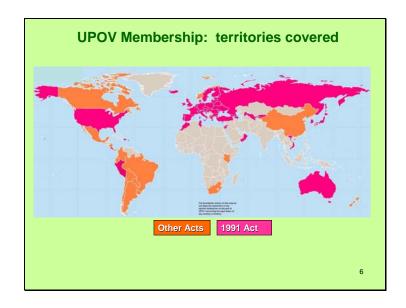
as of May 27, 2012

Ireland



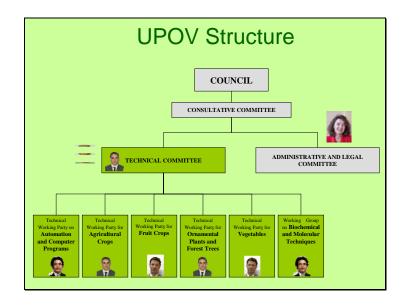
as of Dec. 8, 2011

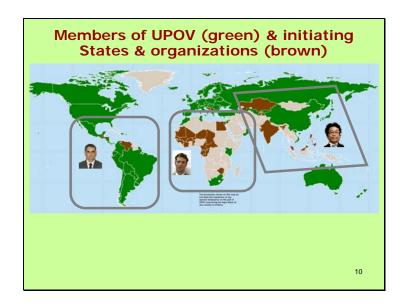




UPOV Body	Role	Person
Council	President	Mr. Keun-Jin Choi (Republic of Korea)
Council	Vice President	Mrs. Kitisri Sukhapinda (United States of America)
CAJ	Chair	Mr. Lü Bo (China)
CAJ	Vice Chair	Mr. Martin Ekvad (European Union)
тс	Chair	Mr. Joël Guiard (France)
тс	Vice Chair	Mr. Alejandro Barrientos Priego (Mexico)
TWA	Chairperson	Mrs. Robyn Hierse (South Africa)
TWC	Chairperson	Mr. Sami Markkanen (Finland)
TWF	Chairperson	Mrs. Carensa Petzer (South Africa)
TWO	Chairperson	Mr. Nik Hulse (Australia)
TWV	Chairperson	Mr. François Boulineau (France)
BMT	Chairperson	Mr. Alejandro Barrientos Priego (Mexico)







- Members & People
- Future event
- New website
  - general features
  - new databases (PLUTO & UPOV Lex)
  - access to information
- Electronic application form
- DUS and technical developments

11





# Symposium on the benefits of plant variety protection for farmers and growers

Geneva: November 2, 2012

- illustrations of how plant variety protection can improve incomes for farmers and growers by supporting the development and supply of new, improved varieties that are suited to their needs
- examples of how farmers and growers can use plant variety protection as breeders

- Members & People
- Future event
- New website
  - general features
  - new databases (PLUTO & UPOV Lex)
  - access to information
- Electronic application form
- DUS and technical developments

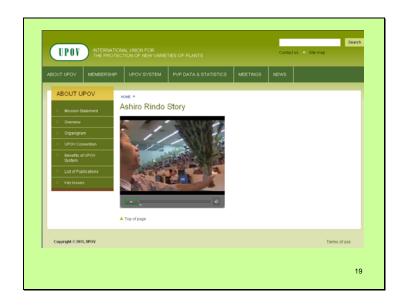














- Members & People
- Future event
- New website
  - general features
  - new databases (PLUTO & UPOV Lex)
  - access to information
- Electronic application form
- DUS and technical developments











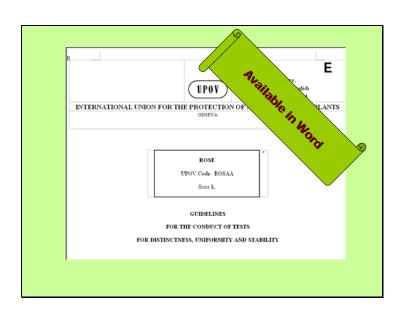


- Members & People
- Future event
- New website
  - general features
  - new databases (PLUTO & UPOV Lex)
  - access to information
- Electronic application form
- DUS and technical developments

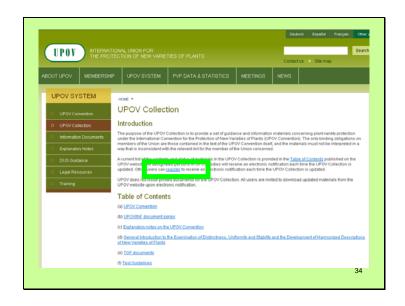


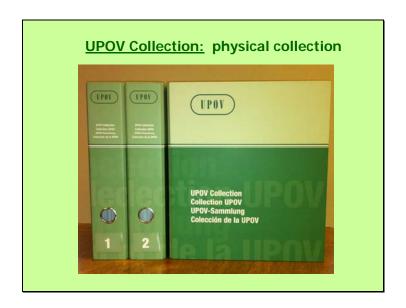








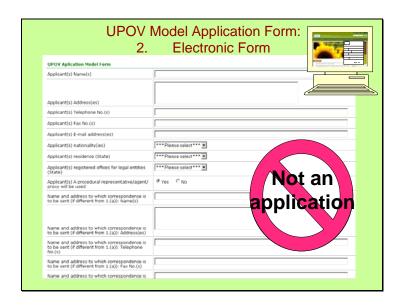


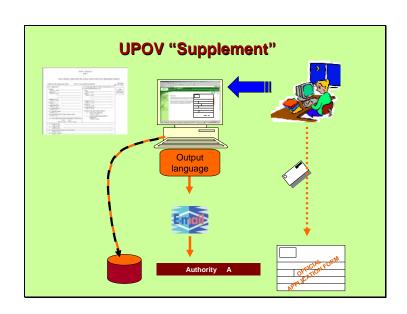


Document reference	Title
UPOV/INF/6/2	Guidance for the preparation of laws based on the 1991 Act of th UPOV Convention (Revision)
UPOV/INF/16/2	Exchangeable Software (Revision)
UPOV/INF/18/1	Possible use of Biochemical and Molecular Markers in the Examination of Distinctness, Uniformity and Stability (DUS)
UPOV/INF-EXN/1	List of INF-EXN Documents and Latest Issue Dates
TGP/0/4	List of TGP Documents and Latest Issue Dates
TGP/5	Experience and Cooperation in DUS Testing:
Section 10/2	Notification of Additional Characteristics (Revision)
TGP/7/3	Development of Test Guidelines (Revision)
TGP/11/1	Examination of Stability

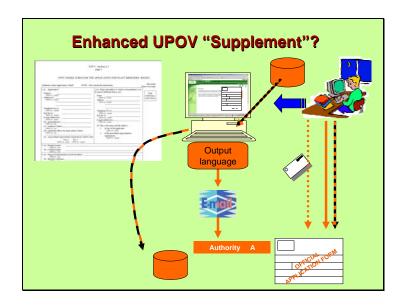
Document reference	Status	Title	Schedule	
UPOV/INF/ADS	New	Alternative Dispute Settlement Mechanisms	Council November 2012	
UPOV/INF/15	Revision (PLUTO data)	Guidance for Members of UPOV on Ongoing Obligations and Related Notifications	CAJ/66 October 2012	
UPOV/INF/5 (October 1979)	Revision	UPOV Model Plant Breeders' Rights Gazette	CAJ/67 March 2013	
UPOV/EXN/EDV	Revision	Essentially Derived Varieties	CAJ-AG October 2012	
UPOV/EXN/BRD	New	Definition of Breeder	CAJ-AG October 2012	
UPOV/EXN/HRV	New	Acts in Respect of Harvested Material	CAJ-AG October 2012	
	To be decided	Matters Arising after the Grant of a Breeder's Right	CAJ-AG October 2012	
	To be decided	Propagation and Propagating Material	CAJ-AG October 2012	

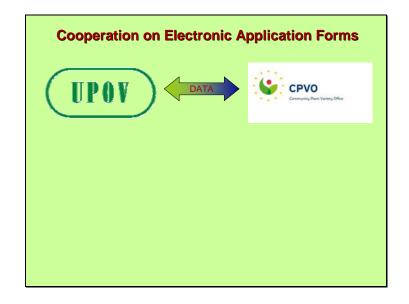
- Members & People
- Future event
- New website
  - general features
  - new databases (PLUTO & UPOV Lex)
  - access to information
- Electronic application form
- DUS and technical developments



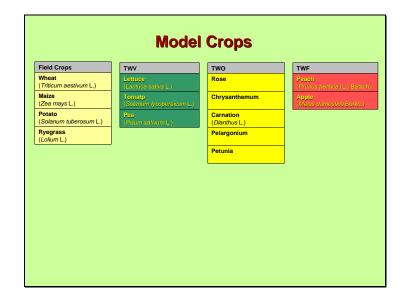




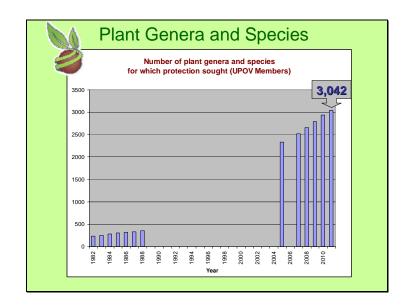




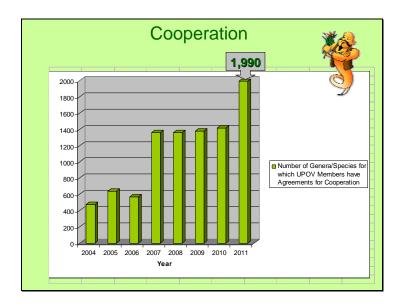




- Members & People
- Future event
- New website
  - general features
  - new databases (PLUTO & UPOV Lex)
  - access to information
- Electronic application form
- DUS and technical developments







### **Genera and Species**

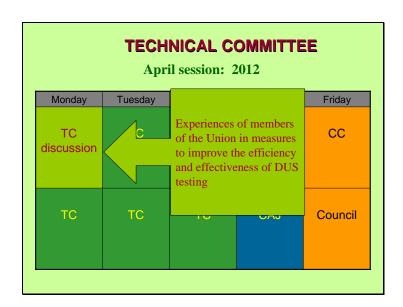
- >3,000 genera and species with varieties examined for PBR
- >2,700 genera and species for which UPOV members have practical DUS experience
- 281 Test Guidelines adopted

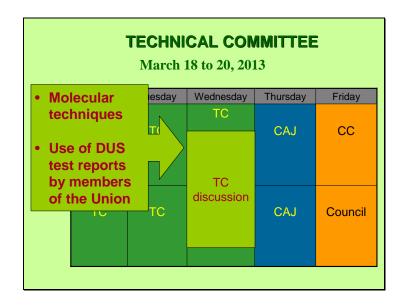
Note: 281 Test Guidelines estimated to cover 90% of PBR-related varieties in UPOV Plant Variety Database

#### **Test Guidelines adopted in 2012** NEW TEST GUIDELINES TWA JР Buckwheat (Fagopyrum esculentum Moench) FR TWO Canna (Canna L.) TWO/TWV Echinacea (Echinacea Moench.) GB NLTWA Hemp (Cannabis sativa L.) GB Heuchera L., xHeucherella H. R. Wehrh. TWO DE TWF Blue Honeysuckle (Lonicera caerulea var. edulis Turcz. ex Honeyberry (Lonicera caerulea var. kamtschatica Sevast.) JP TWO Oncidium (Oncidium Sw.) FR TWF Pineapple (Ananas comosus (L.) Merr.) JΡ TWV Shiitake (Lentinula edodes (Berk.) Pegler)

#### Test Guidelines adopted in 2012 **REVISIONS** TWF Kiwifruit (Actinidia Lindl.) AU/ ES TWA **Durum wheat** (Triticum turgidum L. subsp. durum (Desf.) Husn.) GB TWV Parsnip (Pastinaca sativa L.) DE TWV Black radish, Oriental radish (Raphanus sativus L. var. niger (Mill.) S. Kerner) Radish (*Raphanus sativus* L. var *sativus*) PARTIAL REVISIONS FR TWV/TWA French Bean (Phaseolus vulgaris L.) DE TWO Kalanchoe (Kalanchoe blossfeldiana Poelln. and its TWO New Guinea Impatiens DE DE TWF Strawberry (Fragaria L.)

TECHNICAL COMMITTEE April sessions: 2002-2011								
	Monday	Tuesday	Wednesday	Thursday	Friday			
	TC-EDC	тс	тс	CAJ	СС			
	TC	тс	тс	CAJ	Council			







[Annex II follows]

#### ANNEX II

### Technical Working Party on Automation and Computer Programs Thirtieth Session

### Web Based TG Template

Nik Hulse, Senior Examiner of PBR, Australia Fuminori Aihara, Office of the Union

Chisinau, Republic of Moldova, June 26 to 29, 2012

### **IDEA**

- Create a web based TG Template to facilitate work for drafters of Test Guidelines
  - Less formating work
  - No more manual update of linked chapters

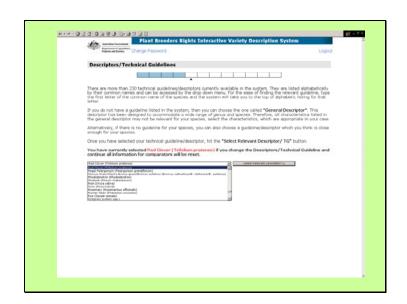
### An existing example

- online Interactive Variety Description System (IVDS)
  - although this system has a different purpose, some of the features are similar and demonstrate how a Web Based TG template might operate.

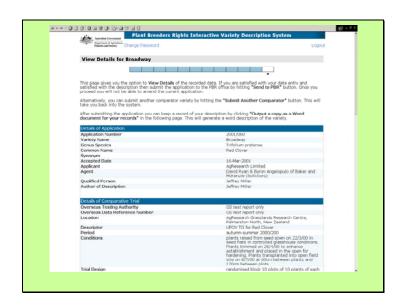
### What is the IVDS?

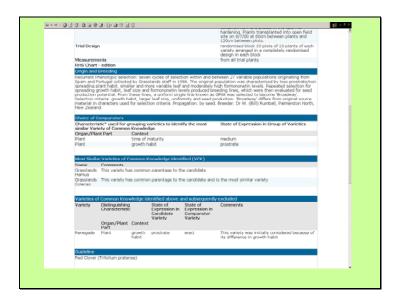
- The IVDS is an online system which allows entry of detailed descriptions of varieties in a controlled way.
- A series of screens prompts the user to enter required information
  - eg testing location, trial conditions, variety characteristics
- The system presents the characteristics from the relevant UPOV Test Guideline by way of dropdown lists.
   the user selects the appropriate state of expression for each characteristic.
- The IVDS then produces a Word document that is used for publication in the plant varieties journal
   if changes are needed then these can be made in the IVDS and a new Word document produced incorporating the changes

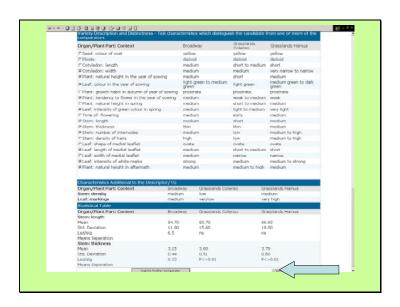






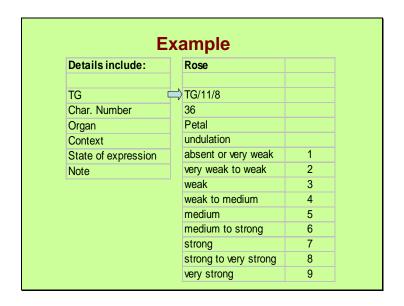






### Why it is useful

- The data entered into the IVDS is maintained in a database.
  - therefore it is structured and can be queried or exported
- It includes details of every characteristic from all adopted UPOV Test Guidelines
  - as new TG's are adopted they are entered into the system



### So...

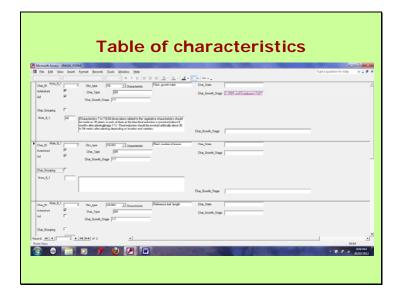
- A system conceptually similar to the IVDS for a Web Based TG template could improve the efficiency and quality of drafting TG's
- More on the idea.....

### Chapters 1 to 6

- Standard Wording: no possibility to be changed by drafter
- ASW: option to tick and choose as required
- Questions asking for information required (number of plants to be observed, assessment of uniformity etc.)
- GN could pop up by clicking on a "?" icon in respective places

### **Table of characteristics**

- Key feature:
  - automatic update of chapters linked to t.o.c
    - 5.3, 6.5, 8.1, 8.2, TQ 5



### **Table of characteristics**

- How to create a characteristic
- Combined with a database containing existing characteristics with all states of expressions of adopted TGs
  - use keyword search (e.g. "petal" and will find all characteristics containing the word "petal" of all TGs in database)

### **Other Necessary Features**

- Print preview
- Export into Word document

### **Possible Future Features**

- Translation database
- Use as archiving system

### **Feedback**

• Please send comments, proposals or critical views to:

Nik.Hulse@ipaustralia.gov.au and romy.oertel@upov.int



[End of Annex II and of document]