



TWA/41/32 ORIGINAL: English DATE: June 6, 2012

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS Geneva

TECHNICAL WORKING PARTY FOR AGRICULTURAL CROPS

Forty-First Session Angers, France, May 21 to 25, 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 forty-first session of the Technical Working Party for Agricultural Crops.

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 forty-first session of the Technical Working Party for Agricultural Crops.

[Annexes follow]

TWA/41/32

ANNEX I

Technical Working Party for Agricultural Crops

Forty-First Session

REPORT ON DEVELOPMENTS IN UPOV

Angers, France, May 21 to 25, 2012

OVERVIEW

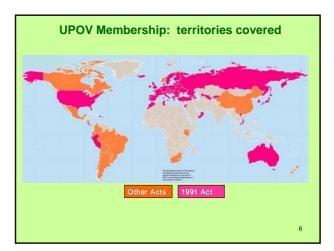
- Members & People
- Future event
- New website
 - general features
 - new databases (PLUTO & UPOV Lex)
 - access to information
- Electronic application form
- DUS and technical developments

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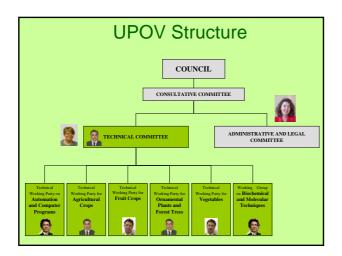


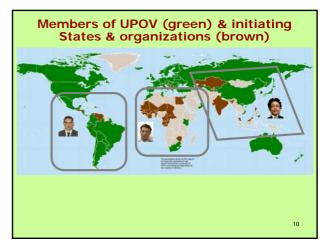




UPOV Body	Role	Person
Council	President	Mr. Keun-Jin Choi (Republic of Korea)
Council	Vice President	Mrs. Kitisri Sukhapinda (United States of America)
CAJ	Chair	Mr. Lü Bo (China)
CAJ	Vice Chair	Mr. Martin Ekvad (European Union)
тс	Chair	Mr. Joël Guiard (France)
тс	Vice Chair	Mr. Alejandro Barrientos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







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Geneva: November 2, 2012

UPOV

- 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

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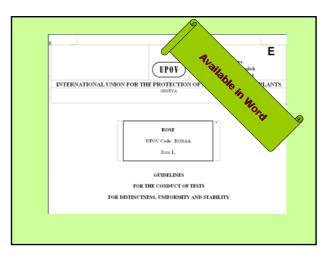
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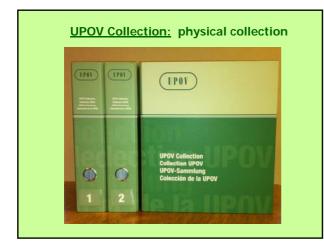












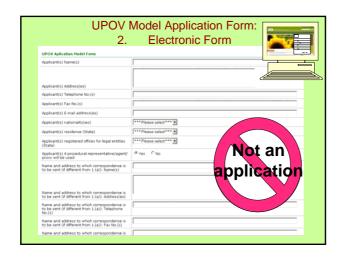
Document reference	Title
UPOV/INF/6/2	Guidance for the preparation of laws based on the 1991 Act of the UPOV Convention (Revision)
UPOV/INF/16/2	Exchangeable Software (Revision)
UPOV/INF/18/1	Possible use of Biochemical and Molecular Markers in the Examination of Distinctness, Uniformity and Stability (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

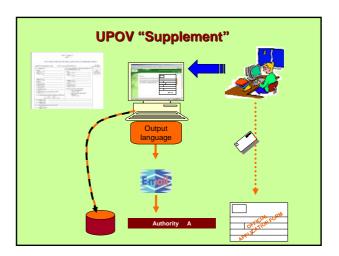
Document reference	Status	Title	Schedule	
UPOV/INF/ADS	New	Alternative Dispute Settlement Mechanisms	Council November 2012	
UPOV/INF/15	Revision (PLUTO data)	Guidance for Members of UPOV on Ongoing Obligations and Related Notifications	CAJ/66 October 2012	
UPOV/INF/5 (October 1979)	Revision	UPOV Model 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	

OVERVIEW

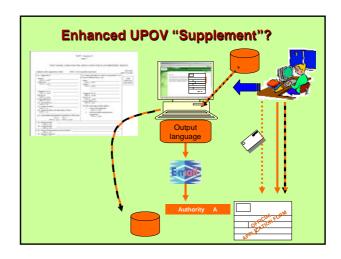
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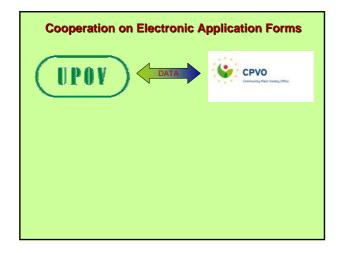
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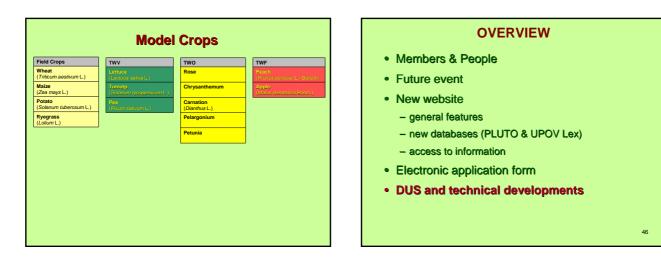


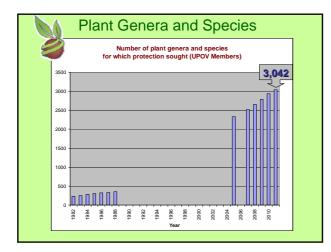


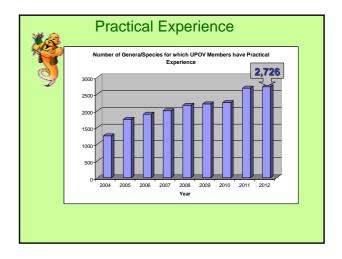


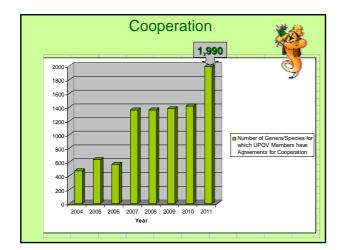


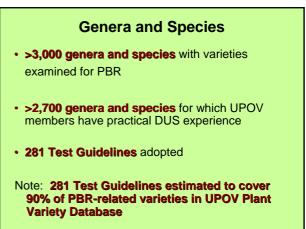








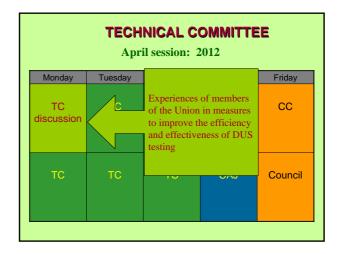


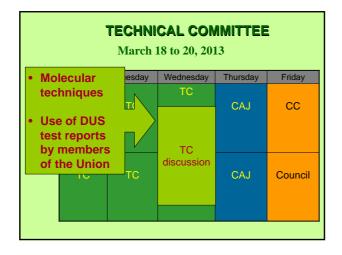


NEW TEST GUIDELINES						
JP	TWA	Buckwheat (Fagopyrum esculentum Moench)				
FR	TWO	Canna (<i>Canna</i> L.)				
PL/ GB	ΤWO/TWV	Echinacea (<i>Echinacea</i> Moench.)				
NL	TWA	Hemp (Cannabis sativa L.)				
GB	TWO	Heuchera L., xHeucherella H. R. Wehrh.				
DE	TWF	Blue Honeysuckle (<i>Lonicera caerulea</i> var. <i>edulis</i> Turcz. ex Freyn) / Honeyberry (<i>Lonicera caerulea</i> var. <i>kamtschatica</i> Sevast.)				
JP	TWO	Oncidium (<i>Oncidium</i> Sw.)				
FR	TWF	Pineapple (Ananas comosus (L.) Merr.)				
JP	TWV	Shiitake (Lentinula edodes (Berk.) Pegler)				

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

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







[Annex II follows]

TWA/41/32

ANNEX II

Technical Working Party for Agricultural Crops Forty-first Session

Web Based TG Template

Nik Hulse, Senior Examiner of PBR, Australia Romy Oertel, Office of the Union

Angers, France, May 21 to 25, 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

2

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.

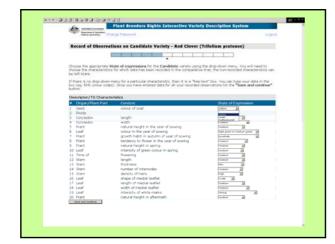
What is the IVDS?

- 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

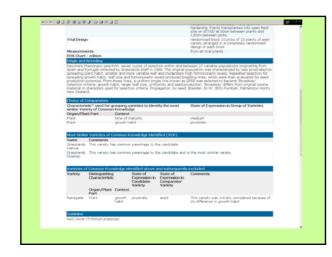
 if changes are needed then these can be made in the IVDS and a new Word document produced incorporating the changes

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	transplanted into open field site on 8/7/20 mt
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	spreading provid habit, leaf size and
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Descriptors/Technical Guidelines	
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Alternatively, if there is no guideline for your species, you can also shoose a guideline/descriptor el enough for your species.	hith you think is close
Once you have selected your technical guideline/descriptor, hit the "Select Relevant Descriptor/ T	G* button
You have currently selected Hed Clover (Trifolium postense) if you change the Descriptors/Te continue all information for comparators will be reset.	chnical Guideline and
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Plant Breeders Rights	Interactive Variety Description System
Participation of galaxies, Choriga Personand	Logout
View Details for Broadway	
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This page gives you the option to View Details of the satisfied with the description then submit the applicat proceed you will not be able to amend the current appl	recorded data. If you are satisfied with your data entry and on to the PBR office by hitting "Send to PBR" button. Once you lighton
Alternatively, you can submit another comparator varie take you back into the system.	by by futting the "Submit Another Comparator" button. This will
After submitting the application you can keep a record document for your records" in the failwing page. Th	of your description by clicking "Output a copy as a Word is will perversite a word description of the variety.
Details of Application	HIGHING TO
Application Number	2008/060
Variety Name	Broadway
Gerus Species	Trifolium protense
Common Name	Red Clover
Synorym	
Accepted Date	16-Mar-2001
Applicant	AdPesenth Limited
Agent	David Rvan & Evron Angelopulo of Baker and
- Andrew - A	Moxenzie (Solicitors)
Qualified Person	Soffray Miller
Author of Description	Jeffrey Miller
Details of Comparative Trial	
Overseas Testing Authority	OS test report only
Overseas Data Reference Number	OS best report only
Location	AdResearch Grasslands Research Centre, Paimerston North, New Zealand
Descriptor	UPOV TG for Red Clover
Period	autumn-summer 2000/200
Conditions	plants raised from seed sown on 22/3/00 in
	seed field in controlled glasshouse conditions. Plants trimmed on 28/400 to enhance establishment and placed in the open for hardening. Pfants transplanted into open field site on 8/7/00 at 600m between plants and 120m between plants.
Trial Design	randomised block 10 plots of 10 plants of each

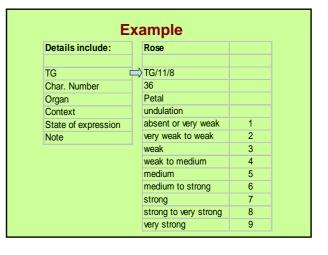


Organ/Plant Part: Context		Brink	lway:	Graeslands Colemad	Grasslands Hamus
Effect coing of coat		vellor		vellow	vellow
("Ploidy)		delo	4	diploid	diploid
If Cotyledon: length		media	<i>1</i> 1	short to media	m short m
Conviedory with		medi	#1	medium	very namow to name
#Plant, natural height in the year of sity	+ina	medi	19	shot	medium
Plast: colour in the year of sowing		light great	preen to medium	light green	medium green to dark green
If Plant: growth habit in autumn of year of	primite h	prost	rate	prostrate	prostrate
PPlant: tendency to flower in the year of	feowing	medi	<i>m</i>	weak to media	m wask
E Plant, natural height in spring		meda	£1.	short to media	m medium
#Last intensity of green colour in spring	2	medi		light to media	
ETime of: flowering		medi	10	early	medium
P Stem length		medi	27	short	medium
#Stem thidress		thin		thin	medium
P Stem: number of internodes		medi	-	low	medium to high
E Shim density of hers		high		tow	medium to high
F'Last' shape of medial leaflet		Over		ovate	ovate.
Pluest: length of medial leaflet		media	m	short to mediu	p short
FLeaf: width of medial leaflet		meda	ann -	narrow	narrow
Plasf, intensity of white marks		strony	3	medium	medium to strong
Plant: natural height in aftermath		meda		medium to high	h medium
Characteristics Additional to the Description					Srasslands Hamua
Organ/Plant Part: Context Stem: density	Broade		Grasslands Cole		Pressiands Hamua medium
Leaf: markings	medu		vervlow		redum verv hidh
Statistical Table	mediu		veryow		nery high
Organ/Plant Part: Context	Broady	väry	Grasslands Coli	inso i	Grasslands Hamua
Stem: length	64.70		60.20		16.60
Std. Deviation	54.70		15.60		16.00
Lid/iig	6.5		15.00		18.00
Means Separation					
Stem: thickness					
Mean	3.15		3.60		3.79
Std. Deviation	0.44		0.51		0.60
Lad/sig	0.33		P<=0.01		P<=0.01
Means Separation					

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

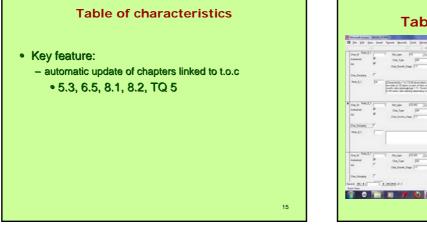


Table of characteristics

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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: <u>Nik.Hulse@ipaustralia.gov.au</u> and

romy.oertel@upov.int



[End of Annex II and of document]