



BMT/13/2 Add.

ORIGINAL: English

DATE: January 4, 2012

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
GENEVA

**WORKING GROUP ON BIOCHEMICAL AND MOLECULAR TECHNIQUES,
AND DNA-PROFILING IN PARTICULAR**

Thirteenth Session
Brasilia, November 22 to 24, 2011

ADDENDUM

REPORTS ON DEVELOPMENTS IN UPOV CONCERNING BIOCHEMICAL AND
MOLECULAR TECHNIQUES

Document prepared by the Office of the Union

Working Group on Biochemical and
Molecular
Techniques and DNA Profiling in
particular

Thirteenth Session

**REPORT ON
DEVELOPMENTS IN UPOV**

Brasilia, November 21, 2011

OVERVIEW

- **Membership / Examination of Laws**
- **New website**
- **Council**
- **Consultative Committee**
- **CAJ & CAJ-AG**
- **TC**
- **Other developments**



MEMBERSHIP OF UPOV		
70 Members		
<u>New Members</u>		
Peru	as of Aug. 8, 2011	
Former Yugoslav Republic of Macedonia	as of May 4, 2011	
<u>Laws examined</u>	<u>Council session</u>	<u>Advice</u>
Republic of Tajikistan	October 21, 2010	Positive
Republic of Serbia	April 8, 2011	Positive

Members of UPOV (green) & initiating States & organizations (brown)



Deutsch Español Français Other >

UPOV INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

Contact us Site map

ABOUT UPOV MEMBERSHIP UPOV SYSTEM PVP DATA & STATISTICS MEETINGS NEWS

Welcome to the new UPOV website

Quick Links

- Introduction to UPOV
- Ashiro Rindo story
- Impact Study, PDF
- UPOV Collection
- Test Guidelines
- Distance Learning Course

GENIE Database
Plant Variety Database
UPOV Lex

News & Upcoming Events

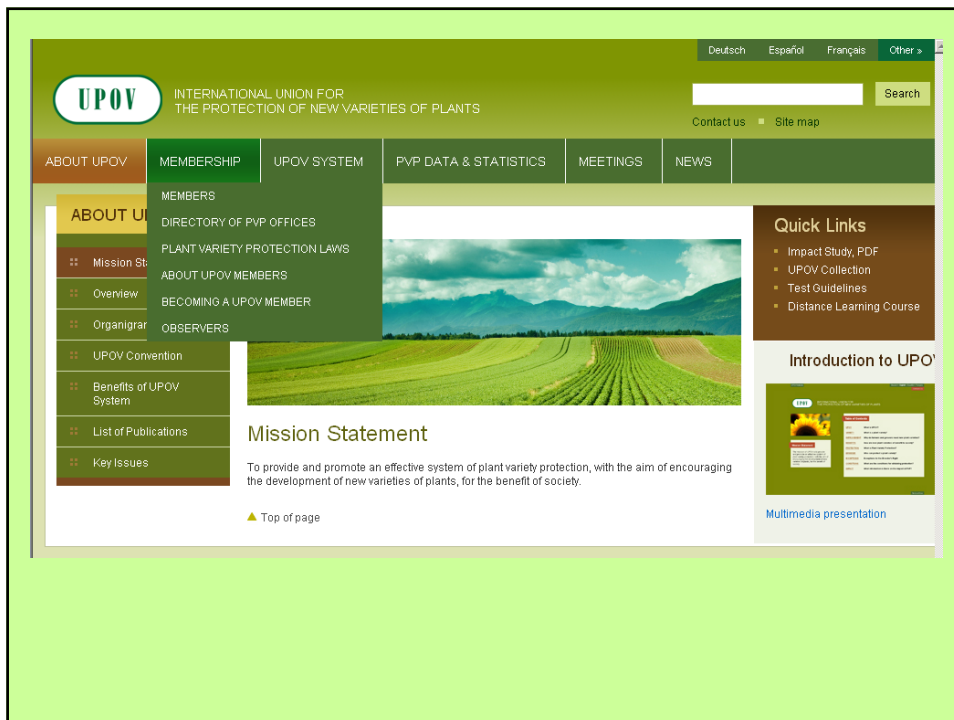
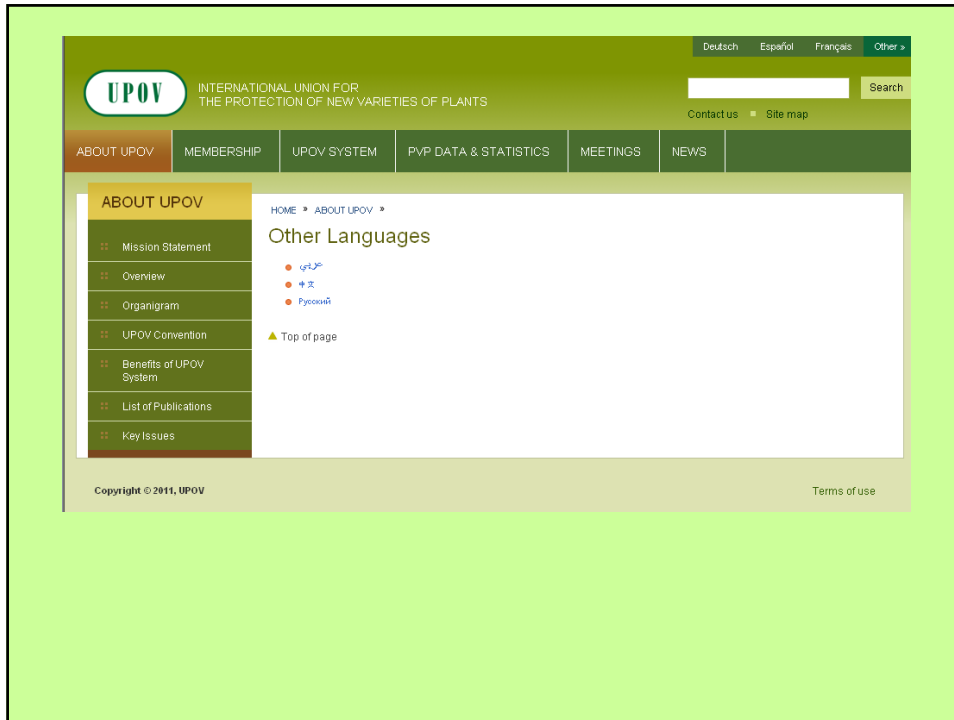
UPOV launches redesigned website [More News >](#)

Welcome

The International Union for the Protection of New Varieties of Plants (UPOV) is an intergovernmental organization with headquarters in Geneva (Switzerland).


UPOV was established by the International Convention for the Protection of New Varieties of Plants. The Convention was adopted in Paris in 1961 and it was revised in 1972, 1978 and 1991. To provide and promote an effective system of plant variety protection, with the aim of encouraging the development of new varieties of plants, for the benefit of society.

▲ Top of page



UPOV Website Deutsch • English • Español • Français [Contacts Us](#)

UPOV INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS



Mission Statement










The mission of UPOV is to provide and promote an effective system of plant variety protection, with the aim of encouraging the development of new varieties of plants, for the benefit of society.

Table of Contents

UPOV	What is UPOV?
VARIETY	What is a plant variety?
IMPROVEMENT	Why do farmers and growers need new plant varieties?
BENEFITS	How are new plant varieties of benefit to society?
PROTECTION	What is Plant Variety Protection?
BREEDER	Who can protect a plant variety?
EXCEPTIONS	Exceptions to the Breeder's Right
CONDITIONS	What are the conditions for obtaining protection?
IMPACT	What information is there on the impact of PVP?

HOME - UPOV - VARIETY - IMPROVEMENT - BENEFITS - PROTECTION - BREEDER - EXCEPTIONS - CONDITIONS - IMPACT

UPOV Website [Contacts Us](#)

 <p>Dr. Shadrack R. Mosephull (South Africa / English) Chief Executive Officer Agricultural Research Council (ARC) Download transcript</p>	 <p>Dr. Evans Sikinyi (Kenya / English) Executive Officer The Seed Trade Association of Kenya (STAK) Download transcript</p>
 <p>Mr. Michel Cormier (Canada / English) Commissioner Plant Breeders' Rights Office Canadian Food Inspection Agency (CFIA) Download transcript</p>	 <p>Dr. Stephen Mbiti Mwikya (Kenya / English) Chief Executive Officer Fresh Produce Exporters Association of Kenya (FPEAK) Download transcript</p>
 <p>Mr. Ruairaidh Sackville Hamilton (English) Head, Genetic Resources Center International Rice Research Institute (IRRI) Download transcript</p>	 <p>Mr. Marcel Bruins (English) Secretary General International Seed Federation (ISF) Download transcript</p>
 <p>Dr. Choi Keun-Jin (Republic of Korea / Korean) Director Seed Office Korea Seed & Variety Service (KSVS) Ministry for Food, Agriculture, Forestry & Fisheries (MFAFF) Download transcript</p>	 <p>Sra. Enriqueta Molina Macías (Mexico / Spanish) Sra. / Directora General SNICS - SAOARPA Download transcript</p>
 <p>M. Yves Lespinasse (France / French) Directeur Institut national de la recherche agronomique (INRA) Download transcript</p>	

The screenshot shows the UPOV website interface. At the top, the UPOV logo is on the left, and the text 'INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS' is on the right. A search bar and links for 'Contact us' and 'Site map' are also present. Below the header is a navigation menu with items: ABOUT UPOV, MEMBERSHIP, UPOV SYSTEM, PVP DATA & STATISTICS, MEETINGS, and NEWS. The 'ABOUT UPOV' section is active, showing a sidebar with links: Mission Statement, Overview, Organigram, UPOV Convention, Benefits of UPOV System, List of Publications, and Key Issues. The main content area features a video player titled 'Ashiro Rindo Story' with a play button. Below the video is a 'Top of page' link. At the bottom, there is a copyright notice 'Copyright © 2011, UPOV' and a 'Terms of use' link.

The screenshot shows the UPOV website interface for the 'UPOV Collection' page. At the top, there are language options: Deutsch, Español, Français, and Other. The UPOV logo and the text 'INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS' are on the left, with a search bar and links for 'Contact us' and 'Site map' on the right. Below the header is a navigation menu with items: ABOUT UPOV, MEMBERSHIP, UPOV SYSTEM, PVP DATA & STATISTICS, MEETINGS, and NEWS. The 'UPOV SYSTEM' section is active, showing a sidebar with links: UPOV Convention, UPOV Collection (highlighted), Information Documents, Explanatory Notes, DUS Guidance, Legal Resources, and Training. The main content area features a video player titled 'UPOV Collection' with an 'Introduction' section. The text explains the purpose of the UPOV Collection and provides a 'Table of Contents' with links to various documents: (a) UPOV Convention, (b) UPOVINf document series, (c) Explanatory notes on the UPOV Convention, (d) General Introduction to the Examination of Distinctness, Uniformity and Stability and the Development of Harmonized Descriptions of New Varieties of Plants, (e) TGP documents, and (f) Test Guidelines. At the bottom, there is a copyright notice 'Copyright © 2011, UPOV' and a 'Terms of use' link.

UPOV Collection: physical collection

- SET OF BINDERS with PRINTED DOCUMENTS
 - two sets per member of the Union
 - one set per observer State
 - one set per observer organization
- In the first instance only (and for new members and observers), printed versions of all documents in the “UPOV Collection”, except for Test Guidelines, would be provided with the binders
- Members of the Union, observer States and observer organizations will be notified, electronically, of updates and will need to print the documents



UPOV INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

ABOUT UPOV MEMBERSHIP UPOV SYSTEM PVP DATA & STATISTICS MEETINGS NEW

HOME PVP DATA & STATISTICS

PLUTO: Plant Variety Database

The data currently in PLUTO is the data in version 2011-04 of the UPOV-ROW Plant Variety Database, for which UPOV codes are only provided by some data contributors. Please note that PLUTO will shortly be updated with version 2011-05, which will include UPOV codes for most data contributors. A subscription service will be introduced for PLUTO, which will allow us to inform users of future updates of the data.

Search By

- UPOV Code
- Denomination
- Record type
- App./filing date
- Botanical name

Filter By

- Source
- Type
- Grant Date
- End Date

World Map

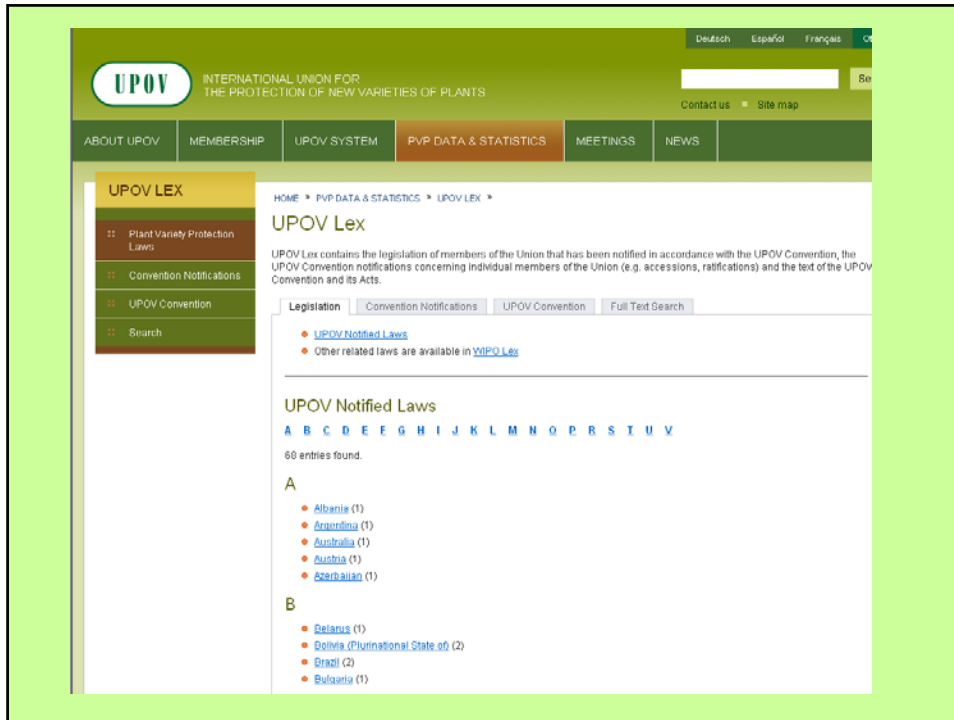
Boundary representation is not necessarily authoritative

Current Search: 11 to 25 / 549590

Current Filter: 25 per page 1 / 21984

UPOV Code	Country	Type	Botanical Name	Common Name	App. No.	App. Date	Grant date	Denomination
AR	NLJ			ASOCIACION VARIETAL COLZA	000001	1999-02-10	1999-03-18	MISTRAL
AR	NLJ		Helianthus annuus L.	GIRASOL	000044	1980-01-01	1980-05-05	KLEIN
AR	NLJ		Zea mays L.	MAIZ	000075	1980-01-01	1980-05-05	LONG WHITE FLINT SEL MA COLORADO
AR	NLJ			MAIZ	000155	1980-01-01	1980-05-05	

Free to all users



The screenshot displays the UPOV Lex website interface. At the top, there is a navigation bar with the UPOV logo and the text "INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS". Below this is a menu with options: ABOUT UPOV, MEMBERSHIP, UPOV SYSTEM, PVP DATA & STATISTICS, MEETINGS, NEWS, and a search bar. The main content area is titled "UPOV LEX" and includes a breadcrumb trail: HOME > PVP DATA & STATISTICS > UPOV LEX >. The page title is "UPOV Lex", and a sub-header reads: "UPOV Lex contains the legislation of members of the Union that has been notified in accordance with the UPOV Convention, the UPOV Convention notifications concerning individual members of the Union (e.g. accessions, ratifications) and the text of the UPOV Convention and its Acts." There are tabs for "Legislation", "Convention Notifications", "UPOV Convention", and "Full Text Search". Under "Legislation", there are links for "UPOV Notified Laws" and "Other related laws are available in [WIPO Lex](#)". The section "UPOV Notified Laws" features an alphabetical index (A-Z) and indicates "60 entries found." The list is organized by letter, with "A" containing links for Albania (1), Argentina (1), Australia (1), Austria (1), and Azerbaijan (1). The "B" section lists Belarus (1), Bolivia (Plurinational State of) (2), Brazil (2), and Bulgaria (1).

COUNCIL

COUNCIL

ELECTED

for a term of three years ending in 2013

Chair of the Administrative and Legal Committee

Mr. Lü Bo (China)

Vice-Chair of the Administrative and Legal Committee

Mr. Martin Ekvad (European Union)

Chair of the Technical Committee

Mr. Joël Guiard (France)

Vice-Chair of the Technical Committee

Mr. Alejandro Barrientos-Priego (Mexico)

COUNCIL

ELECTED

for a term of three years ending in 2014

Chair of:

TWA: Mrs. Robyn Hierse (South Africa)

TWC: Mr. Sami Markkanen (Finland)

TWF: Mrs. Carensa Petzer (South Africa)

TWO: Mr. Nik Hulse (Australia)

TWV: Mr. François Boulineau (France)

BMT: Mr. Alejandro Barrientos Priego (Mexico)

Mr. Jördens Gold Medal



COUNCIL

INFORMATION MATERIALS ADOPTED OCTOBER 2010

Latest reference	Explanatory Notes on:
UPOV/EXN/VAR/1	Definition of Variety under the 1991 Act of the UPOV Convention
UPOV/EXN/CAL/1	Conditions and Limitations Concerning the Breeder's Authorization in Respect of Propagating Material under the UPOV Convention
	INF documents
UPOV/INF/4/1	Financial Regulations and Rules of UPOV
UPOV/INF/10/1	Internal Audit
UPOV/INF/12/3	Explanatory Notes on Variety Denominations under the UPOV Convention
UPOV/INF/15/1	Guidance for Members of UPOV on Ongoing Obligations and Related Notifications
UPOV/INF/16/1	Exchangeable Software
UPOV/INF/17/1	Guidelines for DNA-Profiling: Molecular Marker Selection and Database Construction ("BMT Guidelines")

COUNCIL

INFORMATION MATERIALS ADOPTED OCTOBER 2011

Latest reference	INF documents
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

COUNCIL

INFORMATION MATERIALS ADOPTED (reminder)

***Guidance for the preparation of laws based
on the 1991 Act of the UPOV Convention
(document UPOV/INF/6)***

PART I: EXAMPLE TEXT FOR ARTICLES

*PART II: NOTES BASED ON INFORMATION
MATERIALS*

(available in English, French, German, Spanish,
Arabic, Chinese, Russian, Bahasa Indonesian)

COUNCIL

TGP DOCUMENTS ADOPTED OCTOBER 2010

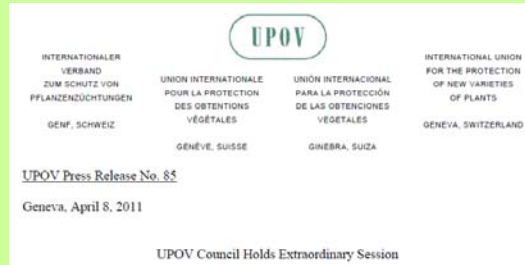
Document reference	Title
TGP/0/3	List of TGP Documents and Latest Issue Dates
TGP/5	Experience and Cooperation in DUS Testing:
Section 2/3	UPOV Model Form for the Application for Plant Breeders' Rights (Revision)
TGP/7/2	Development of Test Guidelines (Revision)
TGP/8/1	Trial Design and Techniques Used in the Examination of Distinctness, Uniformity and Stability
TGP/14/1	Glossary of Terms Used in UPOV Documents

COUNCIL

TGP DOCUMENTS ADOPTED OCTOBER 2011

Document reference	Title
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

COUNCIL



Experience of members of the Union in the Examination of New Plant Varieties

The Council welcomed the report made at the forty-seventh session of the Technical Committee, held in Geneva from April 4 to 6, 2011, that the number of genera and species for which members of the Union had practical experience in the examination of distinctness, uniformity and stability (DUS) had exceeded 2,500 in 2011. That number had increased by 19% from 2,254 in 2010, to 2,679 in 2011. The Council noted that information on members of the Union with practical experience in DUS examination was freely accessible via the GENIE database.

CONSULTATIVE COMMITTEE

CONSULTATIVE COMMITTEE

Observers

- Established a working group to review the rules concerning observers and recommend appropriate changes
- Granted observer status to:
 - Association for Plant Breeding for the Benefit of Society (APBREBES): Council, CAJ, TC, TWPs
 - European Coordination Via Campesina (ECVC): Council, CAJ, TC, TWPs
- Extended observer status to:
 - CropLife International: CAJ, TC, TWPs
 - Asia Pacific Seed Association (APSA): CAJ, TC, TWPs

CONSULTATIVE COMMITTEE

- The Consultative Committee approved the assistance of the Office of the Union to the **International Treaty on Genetic Resources for Food and Agriculture (ITPGRFA)** in explaining the content and search options in the Plant Variety Database in the context of the ITPGRFA research project.

ADMINISTRATIVE AND LEGAL COMMITTEE (CAJ)

CAJ/ CAJ-AG

OVERVIEW OF THE DEVELOPMENT OF INFORMATION MATERIALS

Latest reference	Explanatory Notes on:	Status
UPOV/EXN/BRD Draft 4	Definition of Breeder under the 1991 Act of the UPOV Convention	CAJ-AG October 2011
UPOV/EXN/HRV Draft 6	Acts in Respect of Harvested Material under the 1991 Act of the UPOV Convention	CAJ-AG October 2011
CAJ-AG/11/6/3 & UPOV/EXN/EDV/2 Draft 1	Essentially Derived Varieties under the 1991 Act of the UPOV Convention (revision)	CAJ-AG October 2011
	Matters arising after the grant of a breeder's right	CAJ-AG October 2011
	Propagation and Propagating Material	CAJ-AG October 2011
UPOV/INF/5	UPOV model plant breeders' rights gazette	To start 2012

TECHNICAL COMMITTEE (TC)

TECHNICAL COMMITTEE (TC) TGs APPROVED

NEW TEST GUIDELINES (11)	
TG/ACERO	Acerola, Barbados-cherry, West Indian-cherry
TG/AGAPA	African Lily, Agapanthus, Blue Lily, Lily of the Nile
TG/BOUGA	Bougainvillea
TG/CACAO	Cacao
TG/CAMEL	Camellia
TG/DRAGON	Dragon Fruit, Strawberry pear
TG/HIBIS	Rose-of-Sharon, shrub-althaea
TG/RUMEX	Dock, Garden sorrel, sorrel, sorrel dock, sour dock
TG/SETARIA	Foxtail Millet, Italian Millet, Hungary Millet
TG/TOREN	Bluewings, Torenia, Wishbone-flower
TG/VRIES	Vriesea

TECHNICAL COMMITTEE (TC) TGs APPROVED

REVISIONS OF TEST GUIDELINES (8)	
TG/44/11	Tomato
TG/51/7	Gooseberry
TG/52/6	Red and White Currant
TG/56/4	Almond
TG/57/7	Flax, Linseed
TG/84/4	Japanese Plum
TG/99/4	Olive
TG/184/4	Cardoon, Globe Artichoke, Cardoon
PARTIAL REVISIONS OF TEST GUIDELINES (2)	
TG/13/10 Rev. (TC/47/2, TC/47/24)	Lettuce
TG/55/7 Rev. (TC/47/2, TC/47/24)	Spinach

TECHNICAL COMMITTEE (TC) TGs APPROVED

98. The TC agreed that the wording of document TGP/7/2, as adopted by the Council at its forty-fourth ordinary session, held in Geneva on October 21, 2010, with regard to Chapter 4.1.4 should not be followed in the Test Guidelines to be adopted at its forty-seventh session. It agreed that the Test Guidelines to be adopted by the TC should incorporate the amended wording for Chapter 4.1.4, as follows:

Alternative 1: "Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on { x } plants or parts taken from each of { x } plants and any other observations made on all plants in the test, disregarding any off-type plants."

Alternative 2: "Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on { x } plants or parts taken from each of { x } plants and any other observations made on all plants in the test, disregarding any off-type plants. In the case of observations of parts taken from single plants, the number of parts to be taken from each of the plants should be { y }."

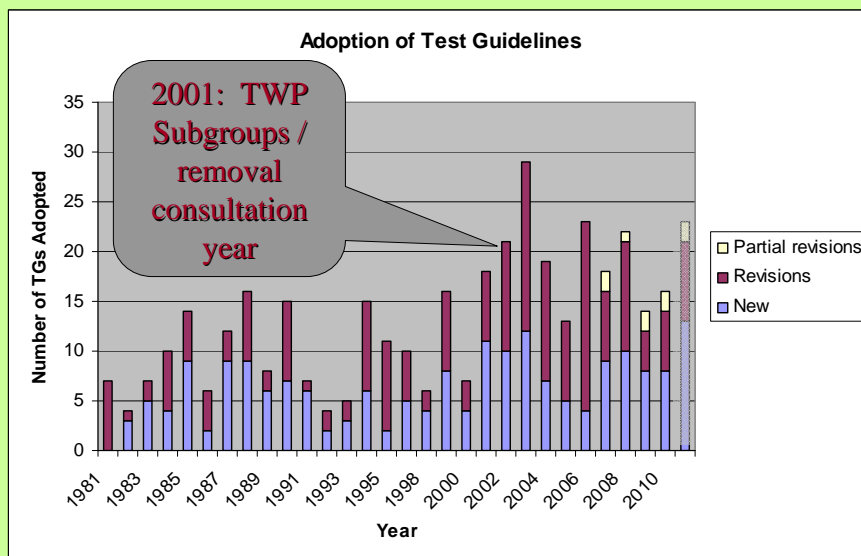
99. The TC noted that the Council, at its forty-fifth ordinary session to be held on October 20, 2011, would need to adopt the revised text for document TGP/7 before the Test Guidelines could be adopted. Therefore, it agreed to adopt the Test Guidelines subject to the Council adopting the necessary revision to document TGP/7.

TECHNICAL COMMITTEE (TC) TGs adopted

Test Guidelines for Mandarins (Citrus; Group 1)
(document TG/201/1) to be referred back to the TWF for
further consideration

Test Guidelines for Canna (document TG/CANNA(proj.7))
and Eucalyptus (document TG/EUCAL(proj.6)) be referred
back to the TWO for further consideration.

Adoption of Test Guidelines



TECHNICAL COMMITTEE
April sessions: 2002-2011

Monday	Tuesday	Wednesday	Thursday	Friday
TC-EDC	TC	TC	CAJ	CC
TC	TC	TC	CAJ	Council

TECHNICAL COMMITTEE
April sessions: 2012

Monday	Tuesday	Wednesday	Thursday	Friday
TC discussion	TC	TC	CAJ	CC
TC	TC	TC	CAJ	Council

Experiences of members of the Union in measures to improve the efficiency and effectiveness of DUS testing

TECHNICAL COMMITTEE (TC)

In considering how to improve the effectiveness of the TC work, the following measures were agreed:

- (a) to display documents under consideration at the session on the screen in the language of the original document.
- (b) to add an indication in document reference of the language.
- (c) to consider **ways of improving the quality of draft Test Guidelines** submitted by the TWPs for adoption to the TC. In that regard, the TC noted the importance of all necessary information being provided by the Leading Expert by the specified date, the importance of the role of the TWP chairpersons and the importance of posting the draft Test Guidelines on the UPOV website sufficiently in advance of the TC-EDC meeting in order that comments could be made before the TC-EDC meeting.
- (d) The TC-EDC to hold a two-day meeting in January 2013.

GENIE Database

Protection offered by UPOV members

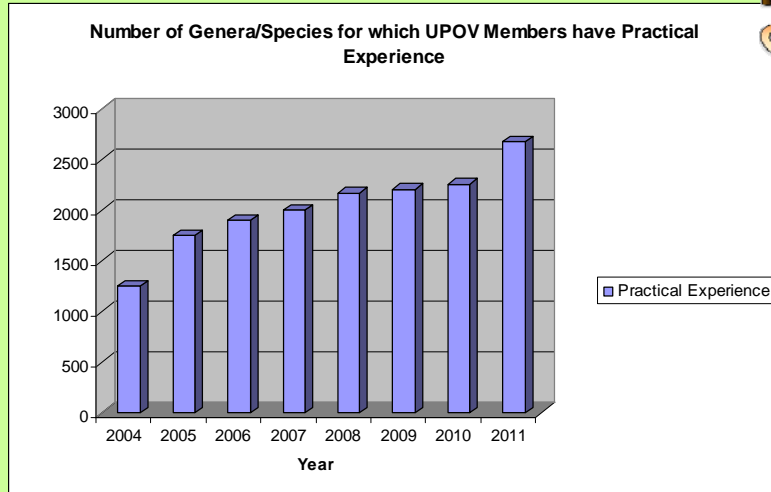
DUS information

- UPOV Test Guidelines
- practical experience (UPOV members)
- cooperation in DUS examination

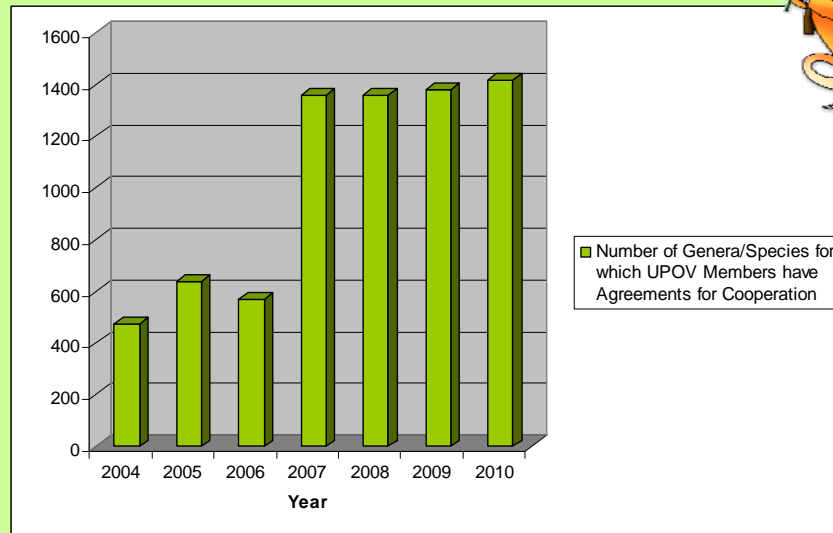
Variety denomination related information

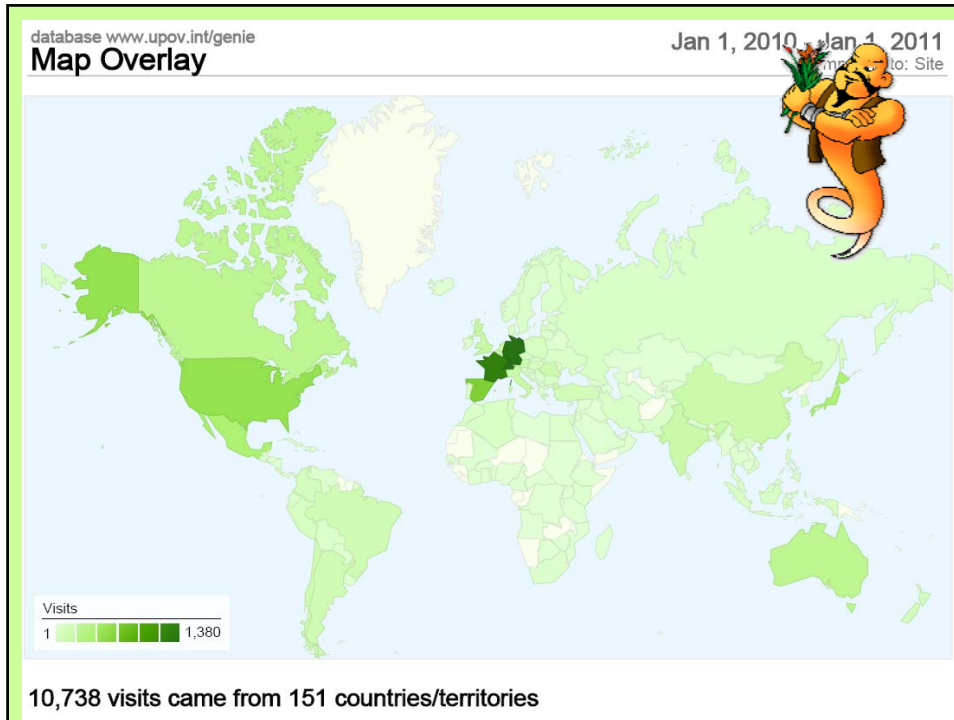


Practical Experience



Cooperation





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Date	Time	Title
Tuesday, June 7	11.00-12.45	Image Analysis
	14.00-15.30	UPOV Information Databases
	16.00-17.30	Molecular Techniques
Wednesday, June 8	09.00-10.30	Variety Descriptions and Distinctness
	11.00-12.45	Variety Descriptions and Distinctness/ Visually Observed Characteristics
	14.00-15.30	TGP/8
	16.00-17.30	TGP/8
Thursday, June 9	09.00-10.30	TGP/5, 7, 11, 12, 14
	11.00-12.45	Developments on COY
	14.00-15.30	Statistical Methodologies

Broader items

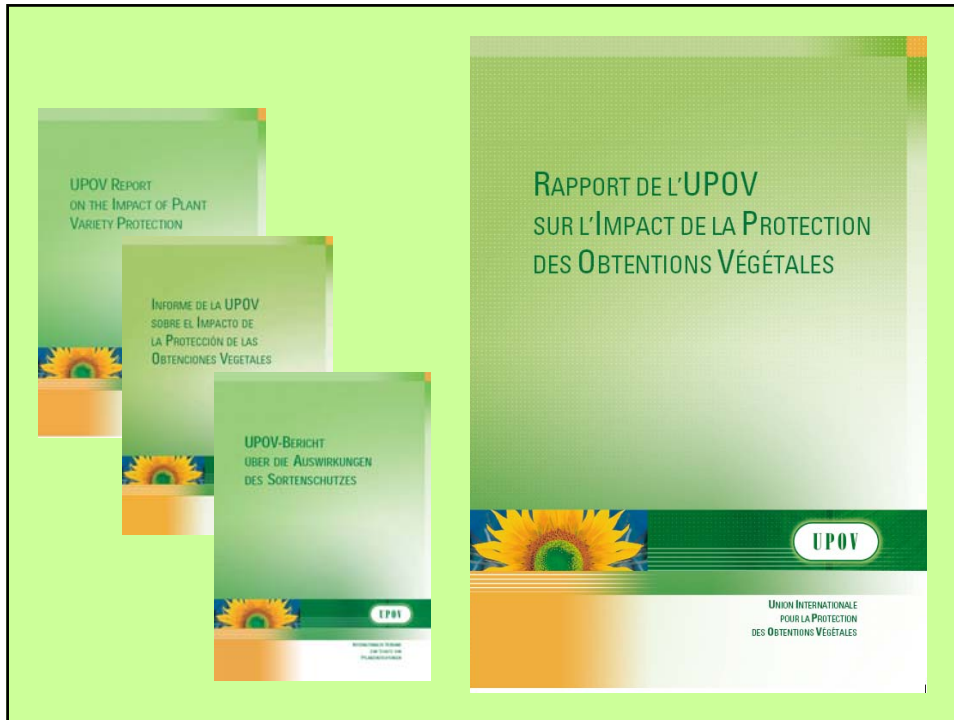
TC/47/26
page 16

Preparatory workshops

92. The TC considered document TC/47/10.

93. The TC noted the report of the preparatory workshops held in 2010 and agreed the proposed program for 2011. It agreed that consideration should be given to the inclusion of items for molecular techniques, essentially derived varieties, variety identification and the relationship between the UPOV Convention and other international treaties.

OTHER DEVELOPMENTS



DECLARATION FROM THE SECOND WORLD SEED CONFERENCE



DECLARATION FROM THE SECOND WORLD SEED CONFERENCE

**Responding to the challenges of a changing world:
The role of new plant varieties
and high quality seed in agriculture**

held at the FAO Headquarters in Rome, September 8-10, 2009



DÉCLARATION DE LA DEUXIÈME CONFÉRENCE MONDIALE SUR LES SEMENCES

**Défis à relever dans un monde en évolution:
Rôle des obtentions végétales et des semences
de qualité dans l'agriculture**

tenue au siège de la FAO, à Rome, du 8 au 10 septembre 2009

Spanish,
Chinese,
Russian and
Arabic to
follow

Second World Seed Conference



DECLARATION FROM THE SECOND WORLD SEED CONFERENCE
**Responding to the challenges of a changing world:
The role of new plant varieties
and high quality seed in agriculture**
held at the FAO Headquarters in Rome, September 8-10, 2009

World food security: urgent measures on seed needed

Urgent government measures and increased public and private investment in the seed sector are required for the long term if agriculture is to meet the challenge of food security in the context of population growth and climate change.

Governments are strongly encouraged to implement a predictable, reliable, user friendly and affordable regulatory environment to ensure that farmers have access to high quality seed at a fair price. In particular, FAO member countries are urged to participate in the internationally harmonized system of the Organization for Economic Co-operation and Development (OECD), the International Union for the Protection of New Varieties of Plants (UPOV), the International Treaty on Plant Genetic Resources for Food and Agriculture (ITPGR), and the International Seed Testing Association (ISTA). Participation in these systems will facilitate the availability of germplasm, new plant varieties and high quality seed for the benefit of their farmers, without which their ability to respond to the challenges ahead will be substantially impaired. The conference emphasized the important role of both the public and the private sector to meet the challenges ahead and the benefits when they work together. The Second World Seed Conference endorsed that agriculture needs to provide sustainable food security and economic development in the context of current and future global challenges. The Conference highlighted the critical role of new plant varieties and high quality seed in providing a dynamic and sustainable agriculture that can meet these challenges. It concluded that governments need to develop and maintain an enabling environment to encourage plant breeding and the production and distribution of high quality seed. The global seed market has grown rapidly in recent years and its current worth is around US\$12 billion. Cross border seed trade was estimated to be worth around US\$4.4 billion in 2007. The Second World Seed Conference was held at FAO headquarters from September 8-10 and organized in collaboration with the OECD, IPRI, ITPGR, ICRAR, ICR.

Conference conclusions:


- Plant breeding has significantly contributed and will continue to be a major contributor to increased food security while reducing food costs, greenhouse gas emissions and deforestation. With that, plant breeding significantly mitigates the effects of population growth, climate change and other social and physical challenges.
- ITPGR is an essential instrument that sets a growing food security through conservation, as well as facilitated access to genetic resources under a multilateral system of access and benefit sharing. The multilateral system represents a reservoir of genetic traits, and therefore constitutes a central element for the achievement of global food security.
- Intellectual property protection is crucial for a sustainable contribution of plant breeding and seed supply. An effective system of plant variety protection is a key enabler for investment in breeding and the development of new varieties of plants. A country's membership of UPOV is an important global signal for breeders to have the confidence to introduce their new varieties in that country.
- Seed quality determination, as established by ISTA, on seed to be supplied to farmers is an important measure for achieving successful agricultural production. The establishment or maintenance of an appropriate infrastructure on the scientific or seed technical level in developed and developing countries is highly recommended.
- The development of viable and harmonized regulatory activities, through close collaboration between all stakeholders along the supply chain for varietal certification, phytosanitary measures, and laboratory testing, contributes substantially to the strong growth in international trade and development of seed markets to the benefit of farmers.



"Follow-up"


... proposal for the five organizations to work together in selected countries to provide an example of how to put in place a framework to encourage the development of new varieties and deliver high quality seed for farmers


World Seed Project



WORLD SEED PROJECT
**STRENGTHENING THE SEED SECTOR
IN DEVELOPING COUNTRIES**

CONCEPT DOCUMENT



**Seminar on PVP & Technology Transfer:
the Benefits of Public-Private Partnership**
April 11-12, 2011

Closing remarks by the Chairs

http://www.upov.int/en/documents/pp_seminar_april_2011/upov_sem_ge_11_1_rev.html

Use of Plant Variety Protection by National Research Centers
Chair: Enriqueta Molina Conclusions – Session 1




Plant Variety Protection:

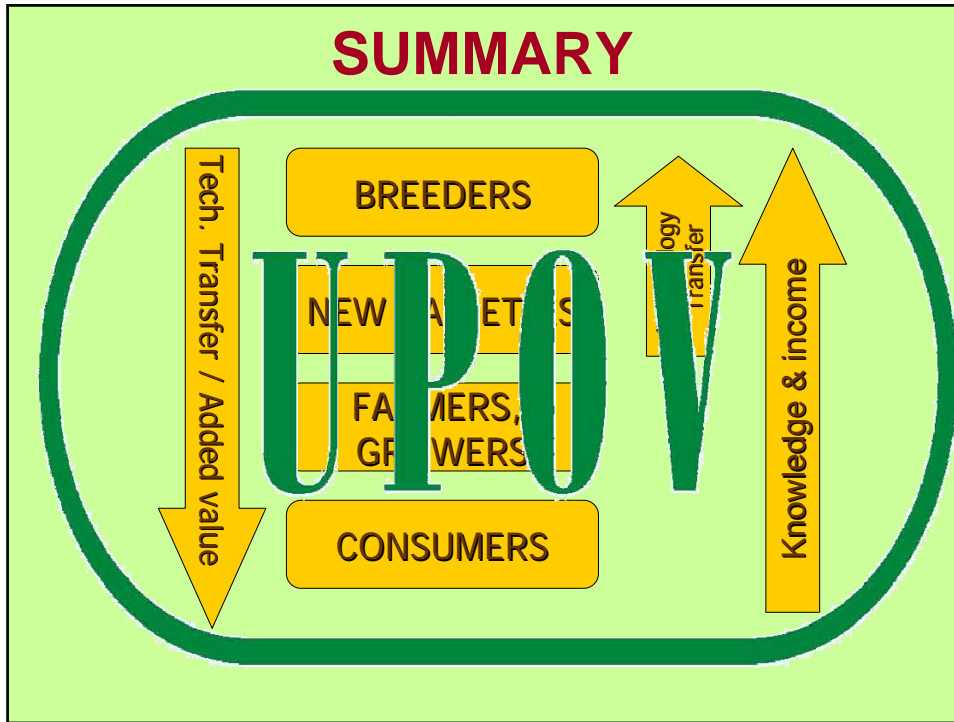
- Promotes private sector involvement in research and development
- A tool for technology transfer
- Provides a legal framework for financial investment
- Encourages innovation in breeding aims, particularly for the development of new or niche markets
- Focuses investment on meeting the needs of farmers and consumers

1. Ryudai Oshima, NARO
2. Jenn James, Grasslanz
3. Shadrack R. Moephuli, ARC
4. Filipe de Moraes Teixeira, EMBRAPA
5. Yves Lespinasse, INRA

Chair: Enriqueta Molina

Technology Transfer by the Private Sector	
Chair: Kitisri Sukhapinda Conclusions – Session 2	
Private sector:	
<ul style="list-style-type: none">• An effective means of delivering varieties to farmers• Assessment of the market potential of varieties• Link between public research and the needs of farmers• Provides a channel for income for public sector research• Facilitates strategic associations and coordinated technology transfer	
1. Willi Wicki , DSP	<i>Chair: Kitisri Sukhapinda</i>
2. Barry Barker, Masstock Arable	
3. Diego Risso, URUPOV	
4. Evans Sikinyi, KY	

 International Research Centers	
Chair: David Boreham Conclusions – Session 3	
<ul style="list-style-type: none">• PVP provides a mechanism to facilitate dissemination of varieties to farmers: open access does not ensure widespread dissemination or use • PVP provides a system to increase availability of varieties suited to farmers' needs• PVP provides incentives for SME's, particularly local breeders and seed distributors • The breeders' exemption provides a mechanism to facilitate access to germplasm• The use of PVP is consistent with the ITPGRFA and SMTA	
1. Lloyd Le Page, CGIAR	<i>Chair: David Boreham</i>
2. Ruairaidh Sackville Hamilton, IRRI	
3. Ian Barker, Syngenta	



THANK YOU