



TWC/27/8 Add.

ORIGINAL: English

DATE: June 24, 2009

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
GENEVA

**TECHNICAL WORKING PARTY ON AUTOMATION AND
COMPUTER PROGRAMS**

Twenty-Seventh Session
Alexandria, Virginia, United States of America
June 16 to 19, 2009

ADDENDUM

ELECTRONIC APPLICATION SYSTEMS

Document prepared by the Office of the Union

At the twenty-seventh session of the Technical Working Party for Computers and Automation Systems (TWC), under agenda item “Electronic application systems”, the TWC received the following presentations:

Brazil: Experience on the Development of Electronic Application Forms

European Community: Online Application Project

A copy of those presentations are provided in Annex I and Annex II to this document respectively.

[Annexes follow]

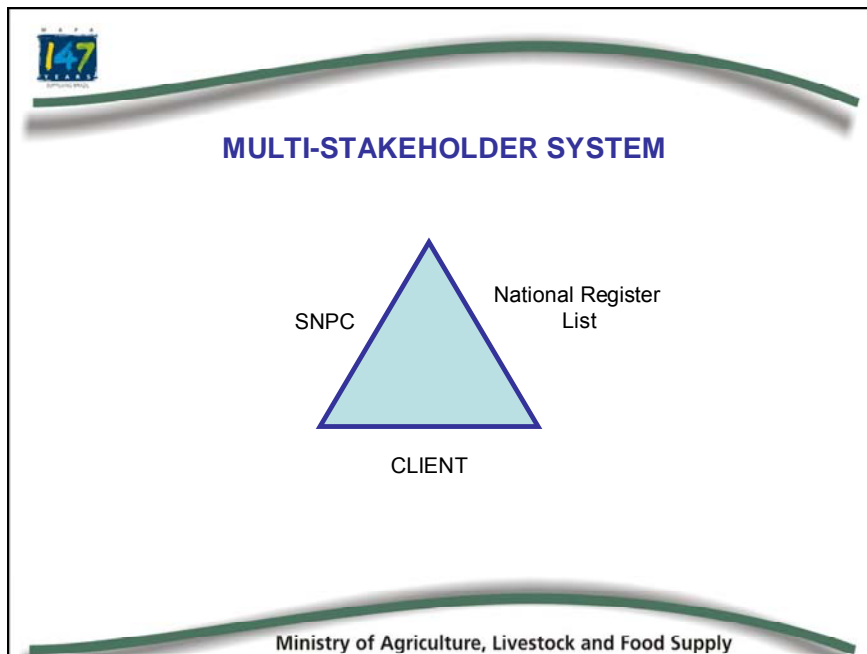
ANNEX I

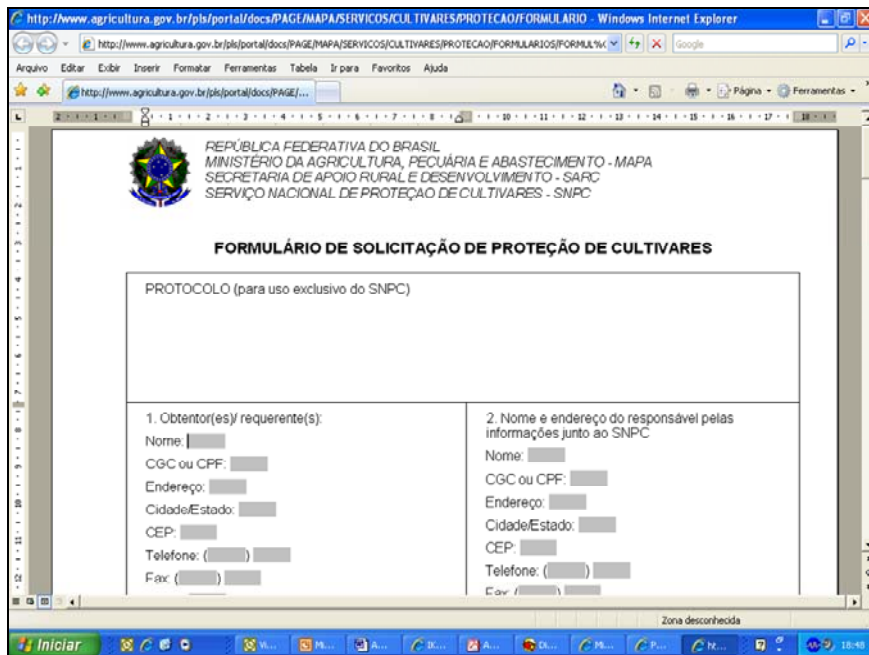
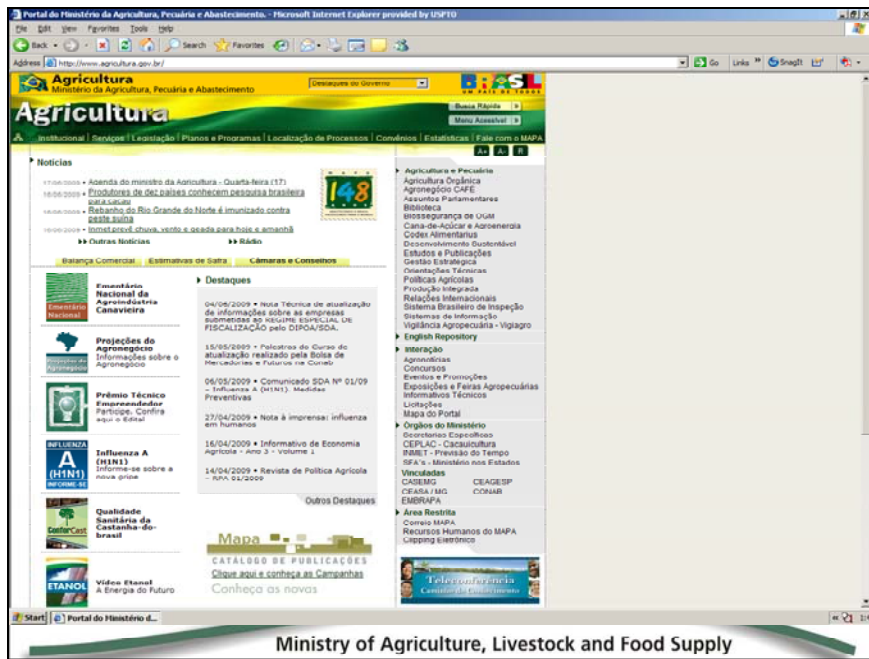


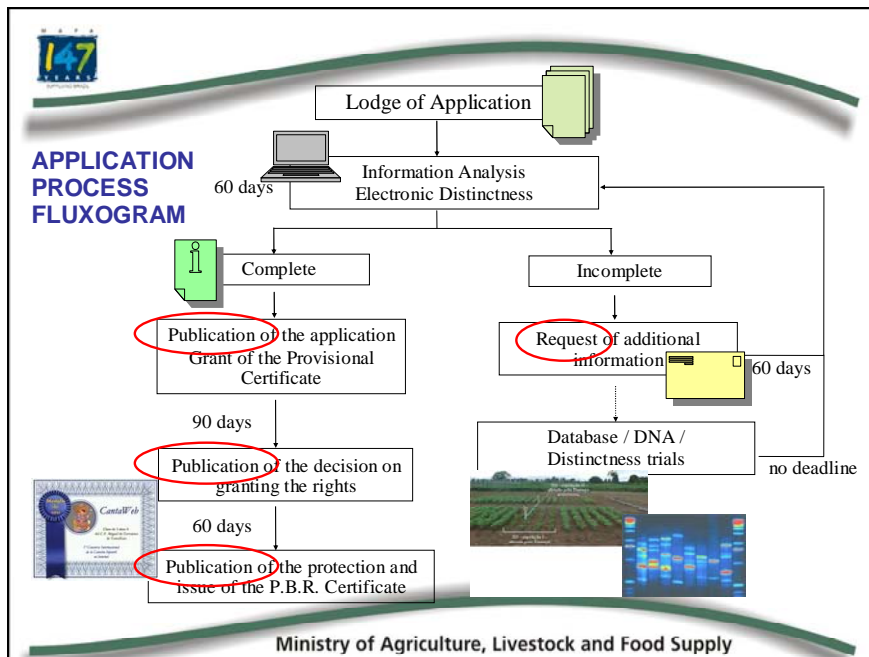
**EXPERIENCE ON THE DEVELOPMENT OF
ELECTRONIC APPLICATION FORMS**



Fabricio Santana Santos
Federal Inspector
National Plant Variety Protection Service/SNPC
Ministry of Agriculture, Livestock and Food Supply
BRAZIL

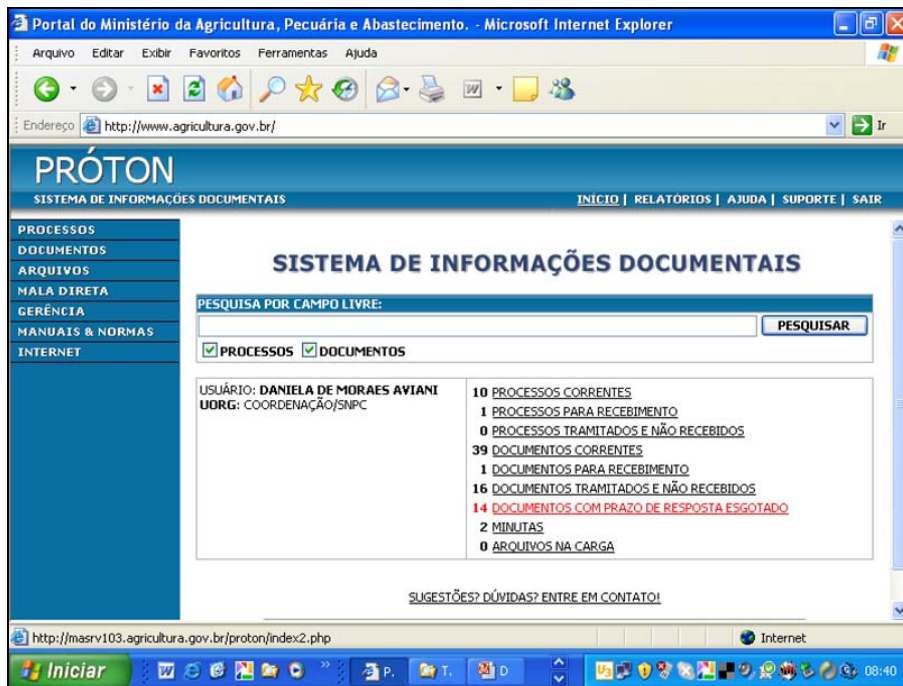






CRITICAL ACTIVITIES	RELATED PROBLEMS
Data base feeding with supplied information: Variety Registry Variety Description	Entry mistakes
Additional information requests	Follow-up difficulties
Process analysis information retrieval	Time consuming for applicants and for PVP analysis officers in order to inform application process status
Publication notice	Receipt confirm
Tax payment	Difficult to control

The logo '147' is in the top left corner, and the text 'Ministry of Agriculture, Livestock and Food Supply' is at the bottom.



Portal do Ministério da Agricultura, Pecuária e Abastecimento - Microsoft Internet Explorer

Endereço: http://www.agricultura.gov.br/

PRÓTON
SISTEMA DE INFORMAÇÕES DOCUMENTAIS

INÍCIO | RELATÓRIOS | AJUDA | SUPORTE | SAIR

PROCESSOS

NOVO PEDIDO

NÚMERO	DENOMINAÇÃO	ESPÉCIE	REQUERENTE	DATA DE ENVIO	PROTOCOLO
SNPC/2659/2007 AÇÃO	145	Gossypium spp	MARAVILHA DA ÁSIA	24/09/2007 13:21	-
SNPC/2662/2007 AÇÃO	222	Stenotaphrum secundatum	DDD	24/09/2007 19:36	-
113/2007 AÇÃO	Waldan	Kalanchoe blossfeldiana Poelln.	AB BREEDING B.V.	25/09/2007 00:00	21806.000113/2007
SNPC/2664/2007 AÇÃO	5145	Phaseolus vulgaris L.	MARAVILHA DA ÁSIA	25/09/2007 10:25	-
114/2007 AÇÃO	Runa	Kalanchoe blossfeldiana Poelln.	AB BREEDING B.V.	28/09/2007 00:00	21806.000114/2007
SNPC/2667/2007 AÇÃO	Kuni	Kalanchoe blossfeldiana Poelln.	AB BREEDING B.V.	28/09/2007 00:00	21806.000115/2007

Internet 08:39

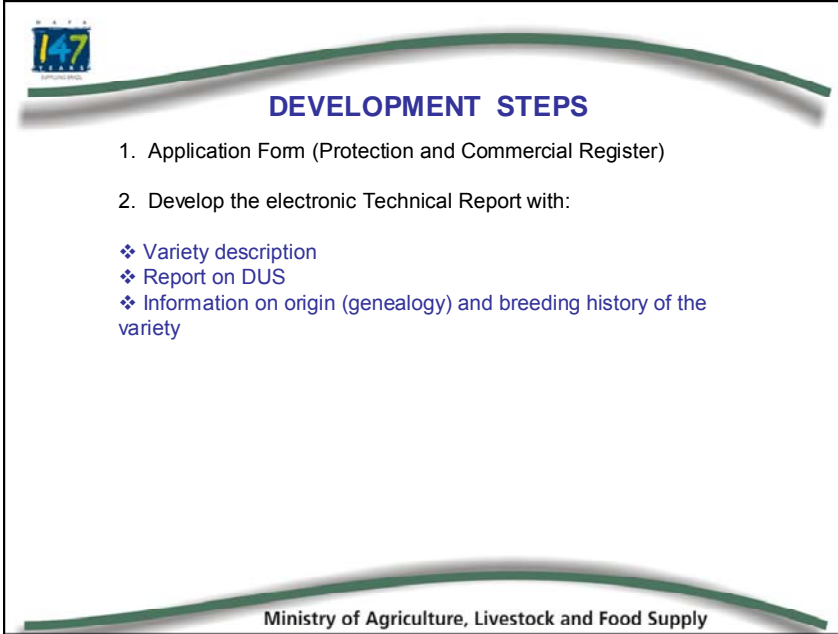
147
Ministério da Agricultura, Pecuária e Abastecimento

DOCUMENT & INFORMATION MANAGEMENT

EXPECTED BENEFITS

INTERNAL ORGANIZATION	CLIENT
<ul style="list-style-type: none"> Quick data application retrieval Document physical preservation Improved deadline control Internal document follow up control Save time spent with administrative tasks, such as home page feeding, correspondence expedition and control Flexible report issuance Remote data base access and application analysis 	<ul style="list-style-type: none"> Fill out the form with self database with data of criteria pre-established Reducing the number of exigence letters Follow up Issue of interactive reports Access to the documents, processes and information by internet

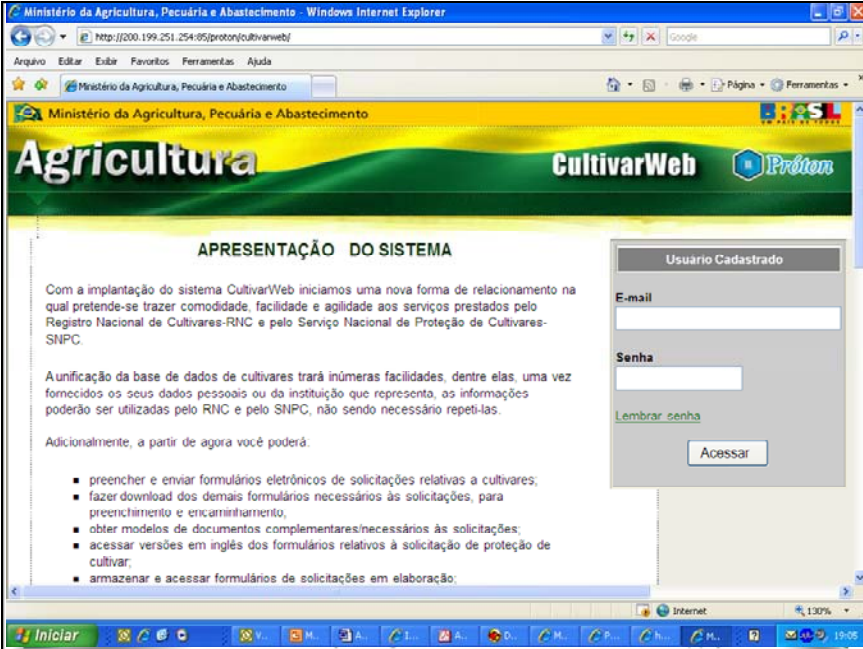
Ministry of Agriculture, Livestock and Food Supply



DEVELOPMENT STEPS

1. Application Form (Protection and Commercial Register)
2. Develop the electronic Technical Report with:
 - ❖ Variety description
 - ❖ Report on DUS
 - ❖ Information on origin (genealogy) and breeding history of the variety

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Ministério da Agricultura, Pecuária e Abastecimento - Windows Internet Explorer

http://200.199.251.254/05/proton/cultivarweb/

Ministério da Agricultura, Pecuária e Abastecimento

Agricultura CultivarWeb Próton

APRESENTAÇÃO DO SISTEMA

Com a implantação do sistema CultivarWeb iniciamos uma nova forma de relacionamento na qual pretende-se trazer comodidade, facilidade e agilidade aos serviços prestados pelo Registro Nacional de Cultivares-RNC e pelo Serviço Nacional de Proteção de Cultivares-SNPC.

A unificação da base de dados de cultivares trará inúmeras facilidades, dentre elas, uma vez fornecidos os seus dados pessoais ou da instituição que representa, as informações poderão ser utilizadas pelo RNC e pelo SNPC, não sendo necessário repeti-las.

Adicionalmente, a partir de agora você poderá:

- preencher e enviar formulários eletrônicos de solicitações relativas a cultivares;
- fazer download dos demais formulários necessários às solicitações, para preenchimento e encaminhamento;
- obter modelos de documentos complementares/necessários às solicitações;
- acessar versões em inglês dos formulários relativos à solicitação de proteção de cultivar;
- armazenar e acessar formulários de solicitações em elaboração;

Usuário Cadastrado

E-mail

Senha

[Lembrar senha](#)

Internet 130%

Iniciar

Ministério da Agricultura, Pecuária e Abastecimento

Agricultura CultivarWeb Proton

Página Inicial | Ajuda | Sair

Formulário de Solicitação de Proteção de Cultivares

* Preenchimento obrigatório

1. Denominação da Cultivar

2. Espécie (Caso não encontre a espécie, entre em contato com o [SNPC](#))
Nome Comum

3. A cultivar foi obtida em:

4. E uma cultivar geneticamente modificada, mediante o envolvimento de técnicas de engenharia genética?
 Sim Não

5. A nova cultivar é essencialmente derivada? Sim Não
Em caso afirmativo, indicar o parental recorrente ou a cultivar original.

6. Requerente(s)

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Agricultura CultivarWeb Proton


Página Inicial | Ajuda | Sair

Minhas Solicitações

- [Formulário para nova Solicitação de Proteção de Cultivares >>](#)
(Clique aqui para solicitar a proteção de cultivares junto ao Serviço Nacional de Proteção de Cultivares - SNPC)
- [Formulário para inscrição no Registro Nacional de Cultivares >>](#)
(Clique aqui para solicitar o registro de cultivares no Registro Nacional de Cultivares - RNC)

Solicitações de Proteção de Cultivares					
Formulário de Solicitação	Cultivar	Protocolo	Situação	Desde	Ação
Elaborando...	Elita	-	Não enviado	17/10/2007	Editar
SNPC/2671/2007	terw45	-	Enviado ✓	17/10/2007	Visualizar
SNPC/2662/2007	zzz	-	Protocolado ✓	24/09/2007	Visualizar


Solicitações de Inscrição no Registro Nacional de Cultivares - RNC					
Formulário de Solicitação	Cultivar	Protocolo	Situação	Desde	Ação
Nenhuma solicitação cadastrada.					



ACQUIRED BENEFITS

- Decrease the number of letters of exigences
- Transparency on following up the applications
- Facilitate the applications analysis
- Allows access to the variety information to examiners and inspectors from their own state offices
- Improve the organization and control under the generated forward and received documents

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PROBLEM

Current Federal Legislation still doesn't allow the use of electronic signature for this purpose the forms must be printed out, signed and sent by mail;

Besides there is no paper saving, all the information concerning the application is entered by the applicant direct on our database.

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SNPC

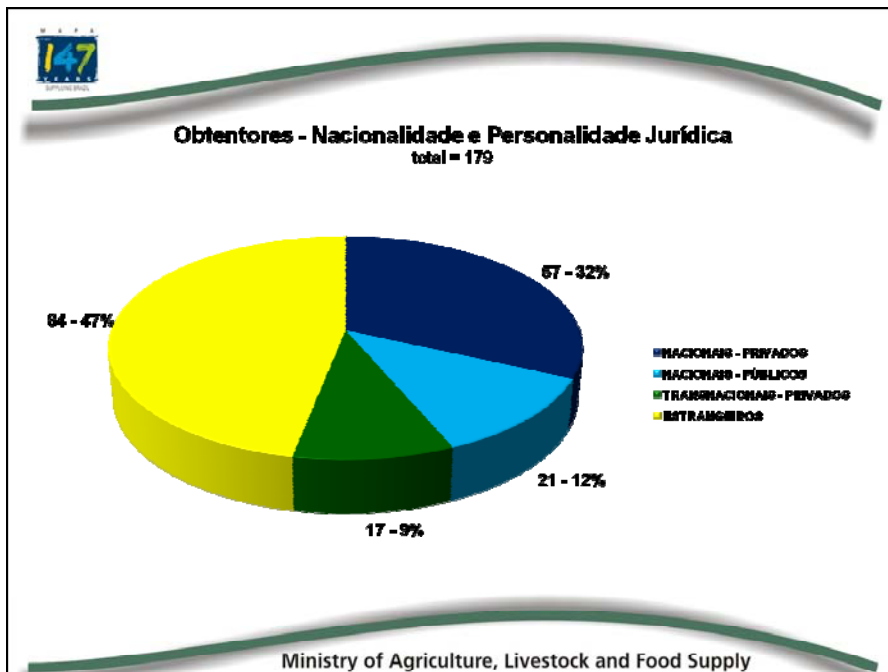
Website
www.agricultura.gov.br
serviços > cultivares > proteção

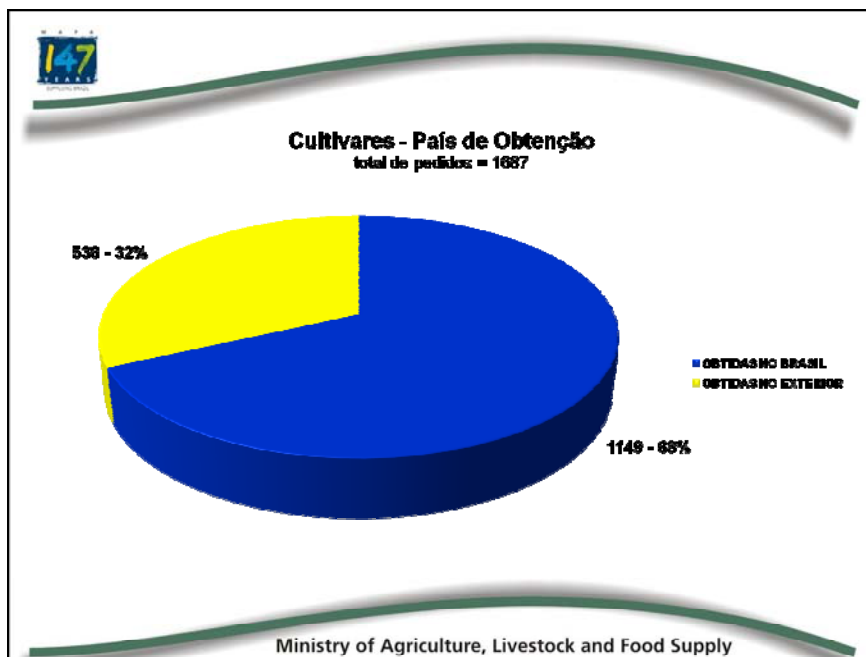
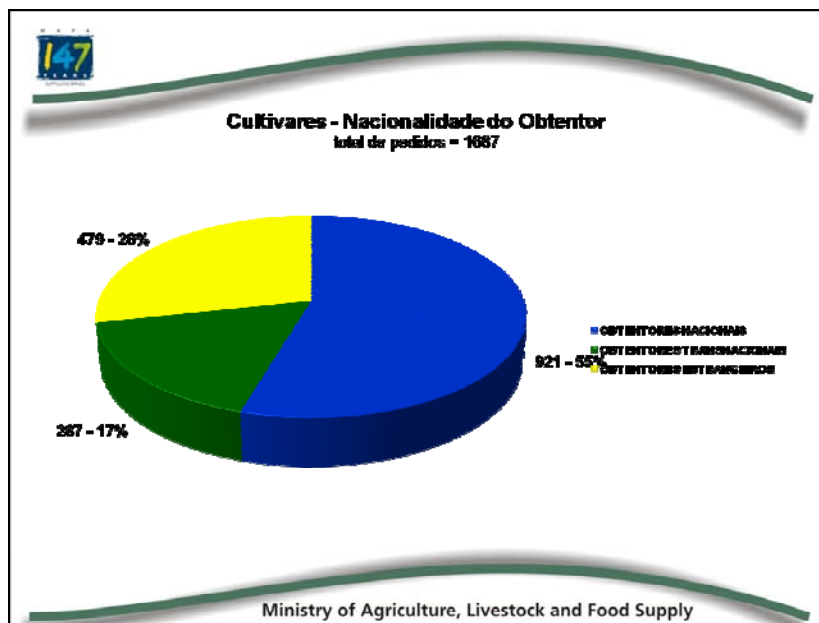
Phones
(55) 61 3218 2915 / 3218 2549

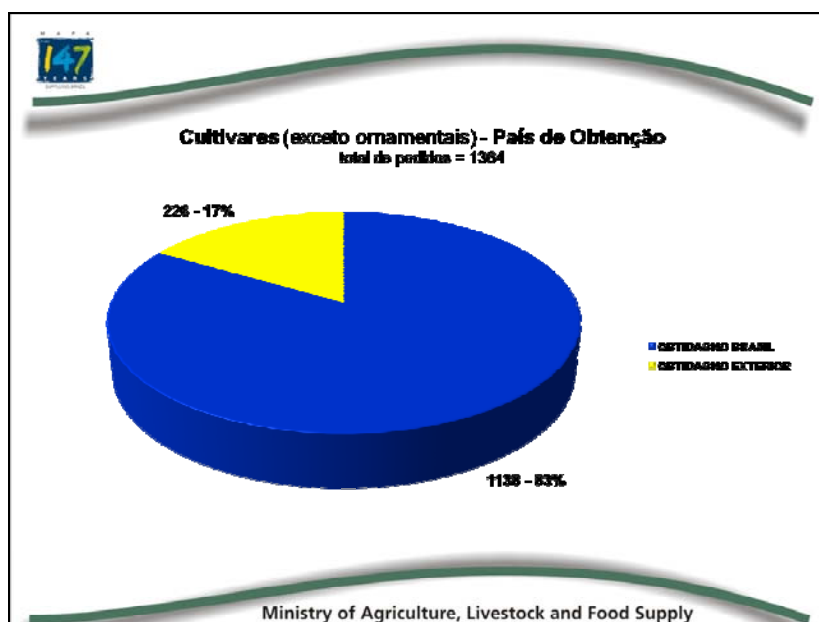
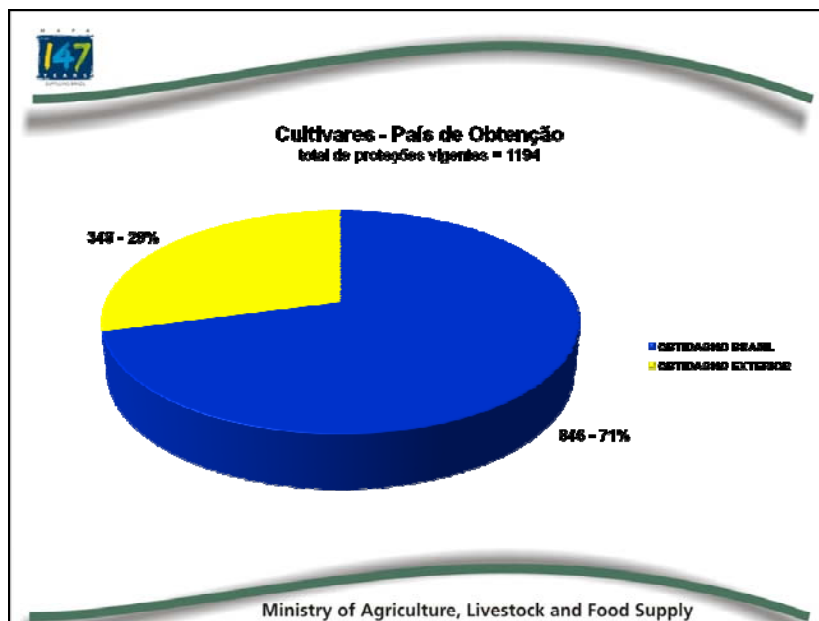
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and Food Supply 







ANNEX II



Online application project

TWC, Twenty-Seventh Session
Alexandria, Virginia, United States of America
June 16 to 19, 2009

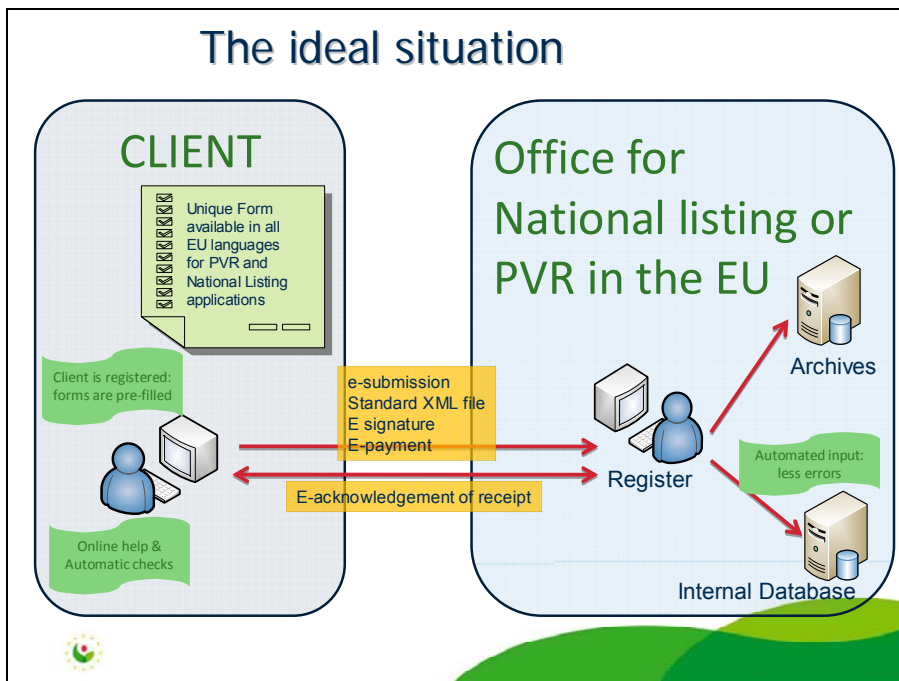
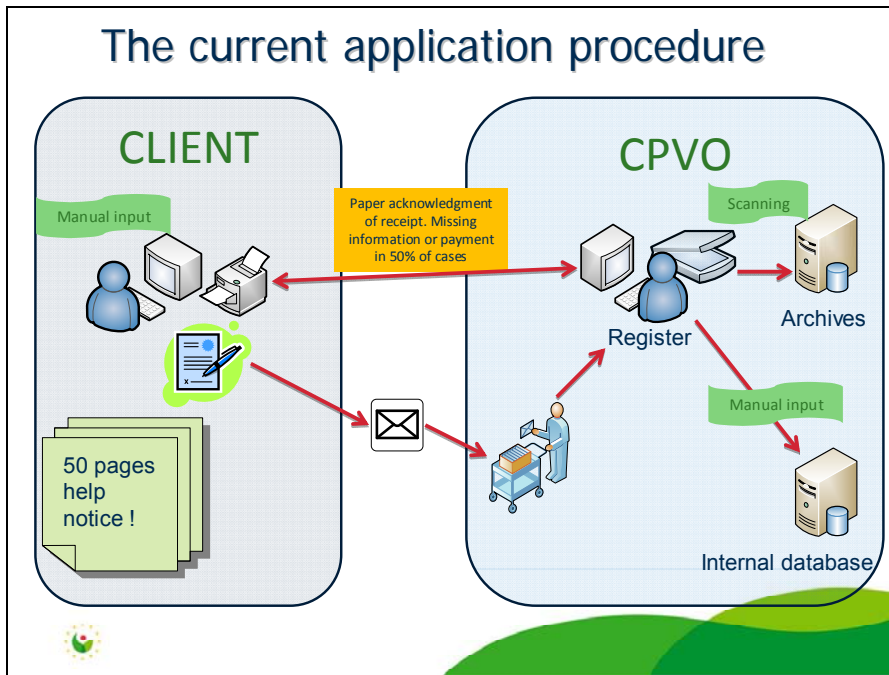
Presentation made by
Jean Maison, Community Plant Variety Office

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Online application project

- Exploration of the possibility of development of a harmonized system in the EU
- Main issues considered in the study phase
- The development





Possibilities for a harmonized system within the EU

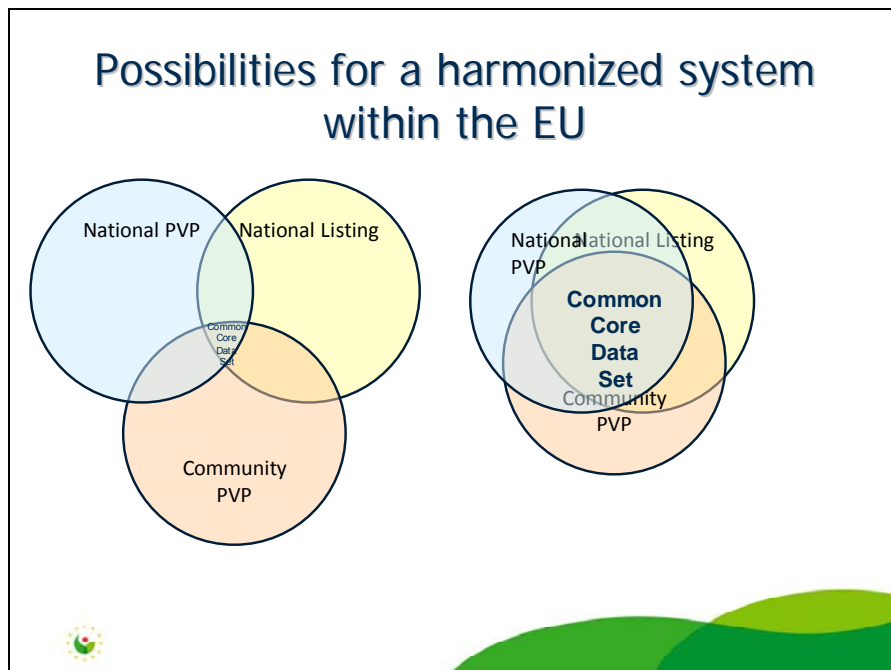
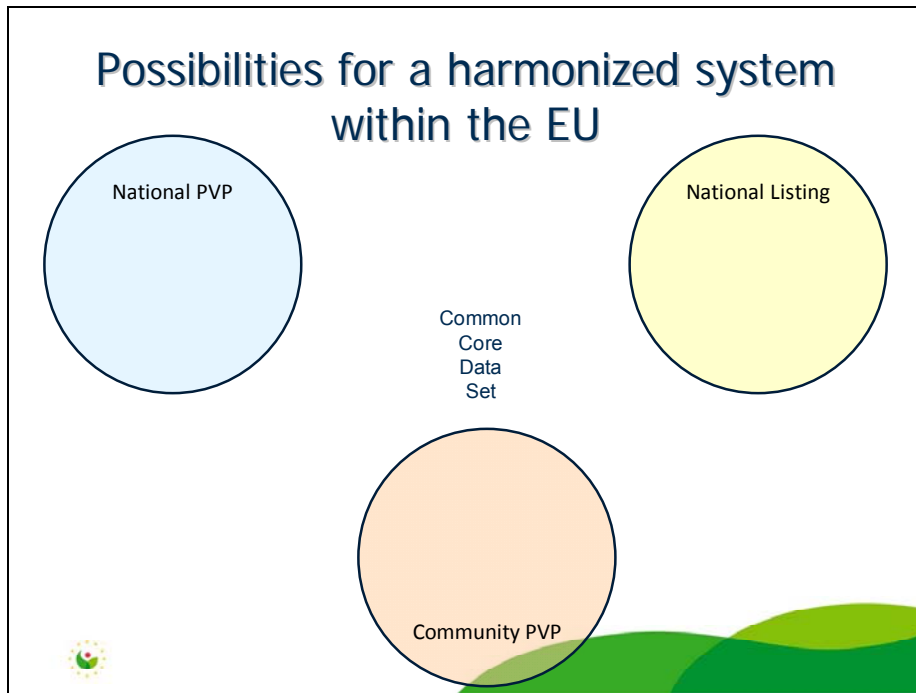
Request from breeders: one unique application
form for Plant Variety Rights and National Listing
Procedures



Possibilities for a harmonized system within the EU

A group of experts of the EU group has been
organized by CPVO in order to investigate on the
feasibility of a harmonized system within the EU





Possibilities for a harmonized system within the EU

- The CPVO has started to define a data dictionary, based on the UPOV forms and its internal needs
- This proposal has been circulated in the expert group in order to define the core set of data



Possibilities for a harmonized system within the EU

- 4 countries commented the data dictionary. It turns out that 90% of the question requested in the application form and the TQ are in common



Possibilities for a harmonized system within the EU

- Many member states in the EU are interested in making use of the CPVO on line application system



Possibilities for a harmonized system within the EU

However, constraints exist:

- There is a great diversity in the internal databases at national level
- The competence of the CPVO is limited to the Community system and it will not be in a position to adapt its software for the purpose of use of other systems



Possibilities for a harmonized system within the EU

However, constraints exist:

- Each Authority would like to keep its identity in the layout of forms
- Some countries have already developed an e-application system



Possibilities for a harmonized system within the EU

The current situation

- The CPVO is developing a system adapted to its specific needs
- This system will be made available to EU member states
- The CPVO informs EU member states regularly about the developments of the project



Possibilities for a harmonized system within the EU

The current situation

- During the development phase, technical options are chosen in order to make the system easily available, e.g.:
 - ✓ Web based system, fully developed by Office on the basis of freely available software
 - ✓ The system will operate on the basis of the exchange of xml files



Online application project

- Exploration of the possibility of development of a harmonized system in the EU
- Main issues considered in the study phase
- The development



The main issues considered in the study phase

➤ Customer requests:

- ✓ Forms that can be pre-filled with their own data
 - Address, contact persons
- ✓ Forms filled in by several persons and that can be exchanged before submission
 - Forms in the course of being filled in available to anyone with a login and password
- ✓ Forms that can be re-used
 - Same data in case of a series of applications



The main issues considered in the study phase

➤ IT requirements:

- Link to our Information System
- Easy management of forms versioning (forms generated each time from a database of questions)
- Security (users identification)
- Integration in our e-documents management system
- Possibility to evolve towards data exchanges via web services



The main issues considered in the study phase

➤ Office requirements :

- ✓ Automatic recording of data to the internal database: interface to be developed
- ✓ Assistance in the reception procedure with automatic checks and information brought more efficiently to the knowledge of applicants (e.g. pictures in TQ)
- ✓ Information/warning system for applicants when they fill in their application forms (e.g. missing data, lack of consistency ...)



The main issues considered in the study phase

➤ Legal requirements :

- ✓ Acceptation of electronic signature in communications with applicants
 - Modification of our proceedings regulation



Online application project

- Exploration of the possibility of development of a harmonized system in the EU
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The development

- CPVO forms have been redesigned in order to stick to the latest UPOV standards
- Technical questionnaires are being entered in a database from where forms will be generated
- A system of electronic signature has been put in place:
 - ✓ The identification of the applicant will take place with the access to the forms with a login and password



The development

- The IT development takes place on the basis of web forms
- A testing phase with a few selected clients will take place in the autumn 2009
- The system should be in place at the end of the year/beginning of 2010



CPVO
Community Plant Variety Office

Thanks for your attention