



Inclusion of Material in the Multilateral System: The German and European Information Management System on PGRFA

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- Inclusion of Material in Germany
- Existing information infrastructure in Germany
- Existing information infrastructure in Europe
- Conclusions

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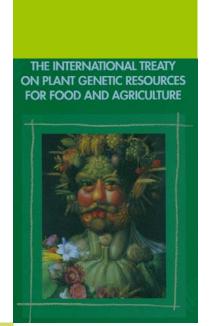


Information requirements under the Treaty

Contracting Parties responsibilities

- Art 13.2(a): Exchange of information¹ as part of the BS in the MLS
 - ⇒ catalogues & inventories of PGRFA
 - ⇒ information on technologies, technical, scientific & socio-economic research
 - ⇒ characterization & evaluation & utilization data

such information shall be made available through Article 17 Global Information System



¹where non-confidential, subject to applicable law and in accordance with national capabilities The BLE.





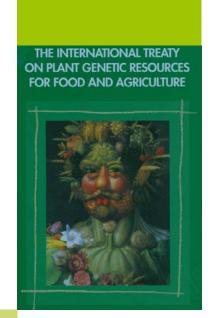
Information requirements under the Treaty

Contracting Parties responsibilities

- Art 17: all PGRFA
 - ⇒ global information system on PGRFA in cooperation with CHM of CBD
 - ⇒ incl. early warning component
 - ⇒ serve update of SWPGR and Global Plan of Action (GPA)



not yet existing...but to be developed based on **existing** information systems



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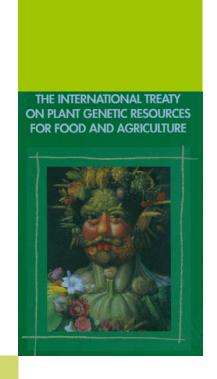


Information requirements under the SMTA of the Treaty

Providers 'and Recipients' responsibilities

- Provider reports to Governing Body
 - ⇒ Art 5(e): periodic reports on SMTA from Provider to Governing Body
- Recipient reports to Multilateral System
 - ⇒ Art 6.9: information on R&D-data from recipient to MLS via Art. 17 info system
 - ⇒ no direct reporting back from Recipient to Provider
- Third Party Beneficiary (FAO) needs information
 - ⇒ Art 4.4: TPB right to request appropriate information 5(e), 6.5(c), 8.3, Annex 2.3

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Infrastructure for ex-situ conservation

- Genebank for Agricultural and Horticultural Crops, Leibniz Institue of Plant Genetics and Crop Plant Research (IPK)
- German Genebank for Fruit Crops, network coordinated by Julius Kuehn Institute (JKI)
- Tobacco Genebank, Agricultural Technology Centre
- German Genebank for Ornamentals, network under development
- German Genebank for Grapevine, network under development
- German Genebank for Crop Wild Relatives, in planning

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Coverage of the MLS: Annex 1 crops

- ...governments include material under their management and control and in the public domain...(Art 11.2)
- ... governments invite all others to include their material...(Art 11.2)
- ... governments take appropriate measures to encourage others to include their material ...(Art 11.3)













Implementation steps

- 1. Information of relevant stakeholders
- 2. Introduction of the SMTA
- 3. Inclusion of Material in the MLS at genebank level
- 4. Inclusion of Material in the MLS by the Contracting Party

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1. Information of relevant stakeholders

- Courtesy translation of the SMTA (agreed with Switzerland and Austria)
- Information of competent authorities and relevant public institutions as well as the private sector
 - by letters (December 2006)
 - through the National Programme / Committee
- Compilation of explanatory notes on the main elements of the SMTA (obligations, BS, TPB etc.)
- Website with above mentioned information and FAQs
- BLE & BMELV acted as contact points to provide information to all stakeholders, answering questions and / or giving support and advice

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2. Introduction of the SMTA

- It has to be distinguished between PGRFA of Annex I species, that are under the direct control of the Contracting Parties (Art 11.2) and between PGRFA included in the MLS by natural and legal persons under the jurisdiction of the Contracting Parties (Art 11.3)
 - Collection holders under the direct control of the Federal Ministry were instructed to introduce the SMTA
 - Collection holders under the control of the Laender and / or local authorities were requested to introduce the SMTA
 - All other collection holders (mixed, private) were invited to use the SMTA as appropriate

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2. Introduction of the SMTA

- The German Genebank for Fruit Crops, coordinated by JKI, introduced the SMTA for its *Malus* and *Fragaria* collections
- The genebank of the IPK introduced the SMTA for all Annex I species
 - Amendment of the IPK Genebank Statutes
 - Amendment of the Genebank Information System GBIS/I (SMTA, "click-wrap" option etc.)

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3. Inclusion of Material in the MLS at genebank level

- a) Identification of accessions of Annex I species in the taxonomic part of the respective genebank documentation systems
- b) Identification of accessions of Annex I species in the respective collections that are in the public domain

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3. Inclusion of Material in the MLS at genebank level

- a) Identification of accessions of Annex I species in the taxonomic part of the respective genebank documentation systems
 - Annex I follows in general the broad genepool concept by defining a crop through the respective genus or genera
 - all species of the crop genepool and their infraspecific taxa marked with an "Annex I flag"
 - Taking into account the specific exceptions, where certain species were excluded (e.g. Musa textilis) or only one species is included (e.g. Manihot esculenta)
 - Taking into account synonyms (n:m!) and other available taxonomic information

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3. Inclusion of Material in the MLS at genebank level

- b) Identification of accessions of Annex I species in the respective collections that are in the public domain
 - Check of possible restrictions (e.g. black-boxarrangement)
 - Varieties with existing variety protection were not included in the MLS (such varieties are available for further research and breeding from the respective protection holders of these varieties)
 - Marking of all public domain accessions

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3. Inclusion of Material in the MLS at genebank level

- The processes of step a) and step b) had been added to the standard genebank routines, to guarantee, that these procedures will be applied to new material entering the genebank or in cases the taxonomy of material is re-determined
- In a last step MLS Material then could be easily determined by matching the information gained by these two steps ("Annex I flag" and "Public domain") and flagged as MLS material in the genebank documentation systems such as GBIS/I in the case of IPK

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4. Inclusion of Material the MLS by the Contracting Party

- Amendment of the data structure and the exchange format at national level
- Flag for MLS material in the National Inventory PGRDEU (April 2008)
- Through written communication, the Secretary of the Treaty was informed about the German contribution to the MLS (July 2008)

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Lessons learnt at national level (I)

- Early and comprehensive information of the relevant stakeholders on the national implementation of the MLS and the SMTA by the respective authorities is important
- Existing "infrastructure" for cooperation such as a National Programme for PGRFA with a National Coordination Committee and a National Inventory (documentation system) should be used as much as possible

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Lessons learnt at national level (II)

- The text of the SMTA is not self-explanatory, especially for users not speaking UN languages. There is a need for assistance through experts giving guidance and / or a courtesy translation in the national language. Explanatory notes, FAQs etc. are useful in order to facilitate the implementation of the MLS and the SMTA at national level
- General guidelines on how to include material in the MLS at the collection level (e.g. identification of public domain accessions) could be helpful

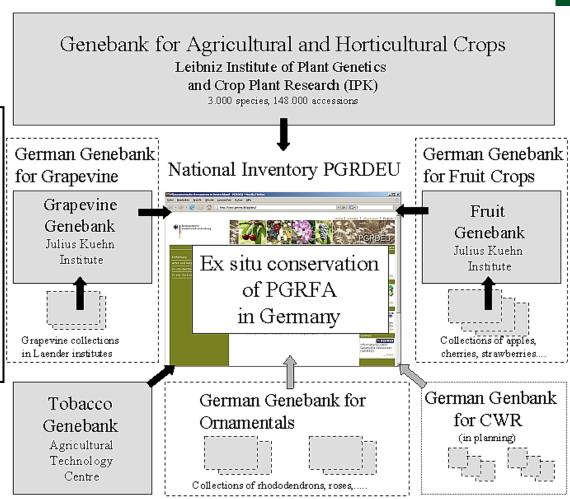
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National Documentation of Plant Genetic Resources -PGRDEU www.genres.de/pgrdeu

- National Inventory
- all plant genetic resources
- MoU
- data exchange standards

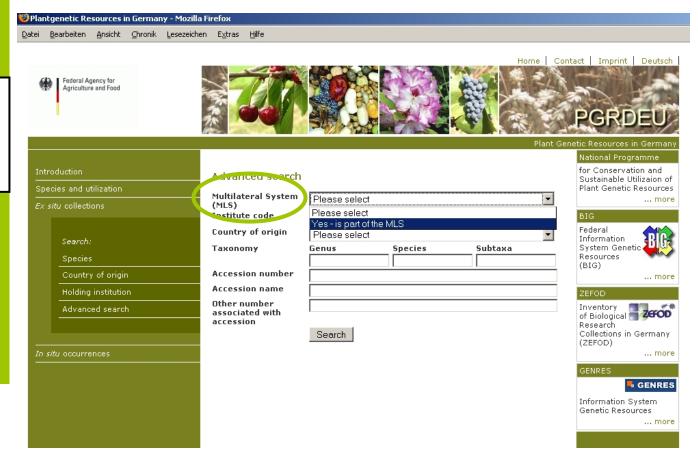






National Inventory PGRDEU

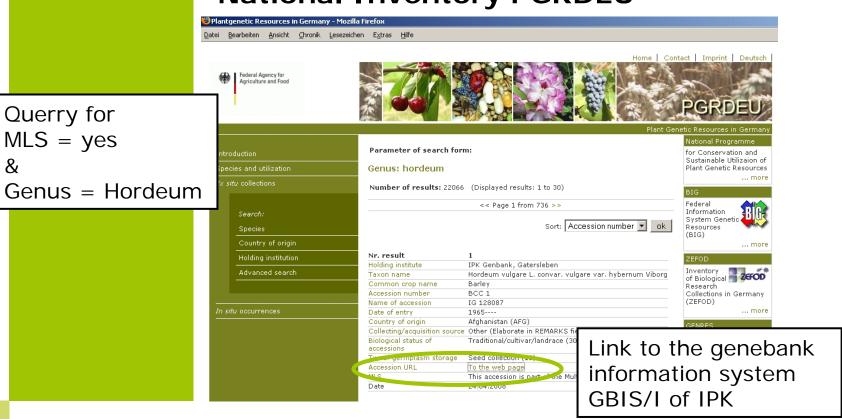
DEU included 108,000 accession in the MLS







National Inventory PGRDEU

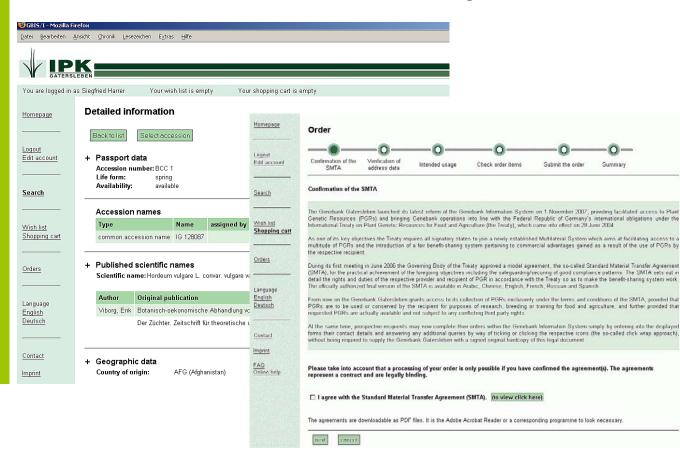


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IPK Genebank Information System GBIS/I







Existing information infrastructure

- FAO/WIEWS, CGIAR/SINGER, US/GRIN, EU/EURISCO and other regional systems
- CBD/CHM: Clearing House Mechanism (Techn. Transfer)
- Global Biodiversity Information Facility (Standards)





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Existing information infrastructure in EUROPE

European Plant Genetic Resources Search Catalogue EURISCO

- web-based catalogue
- provides information about ex situ plant collections maintained in Europe
- based on a European network of ex situ National Inventories (NIs)
- current content: passport data on > 1.1 million samples
 from 1,450 genera and 8,665 species from 38 countries

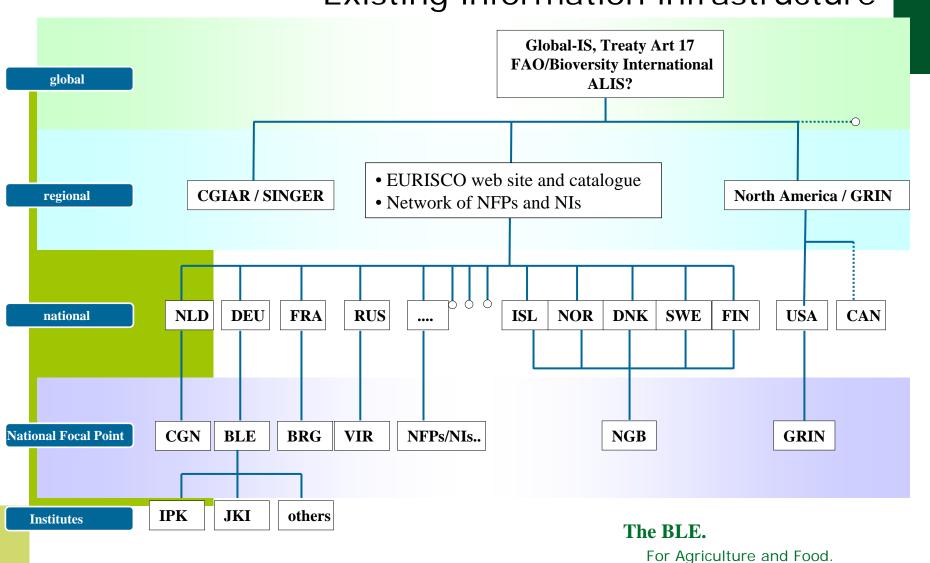


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Existing information infrastructure

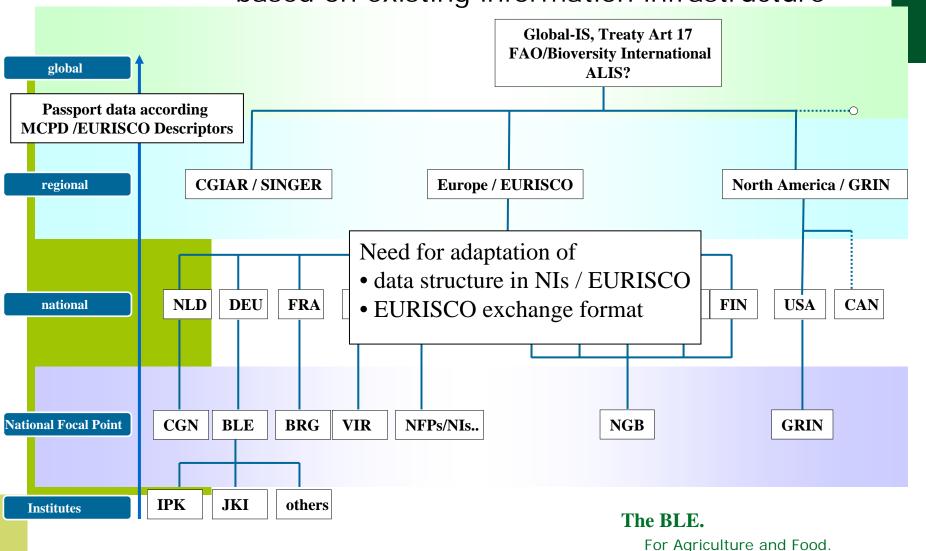




Inclusion procedure for European Material Lessing under the MLS of the ITPGR based on existing information infrastructure

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Inclusion procedure for European Material under the MLS of the ITPGR

New approved MLS status descriptor for EURISCO

34. MLS Status (MLSSTAT)

The coded status of an accession with regard to the Multilateral System (MLS) of the International Treaty on Plant Genetic Resources for Food and Agriculture. Provides the information on whether the accession is included in the MLS.

0 - not part of the MLS

1 - part of the MLS

If the MLS status is unknown, the field stays empty

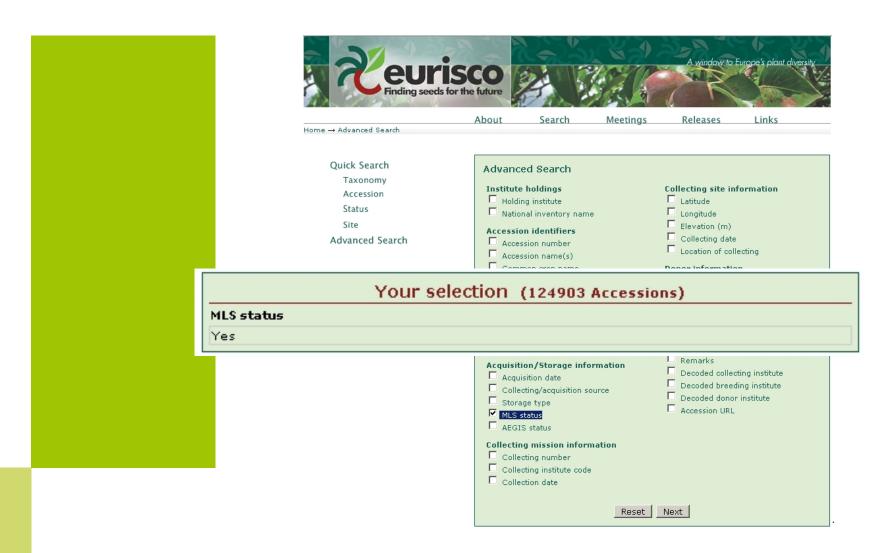
Approved by the ECPGR Steering Committee in September 2008

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European MLS Material included in EURISCO







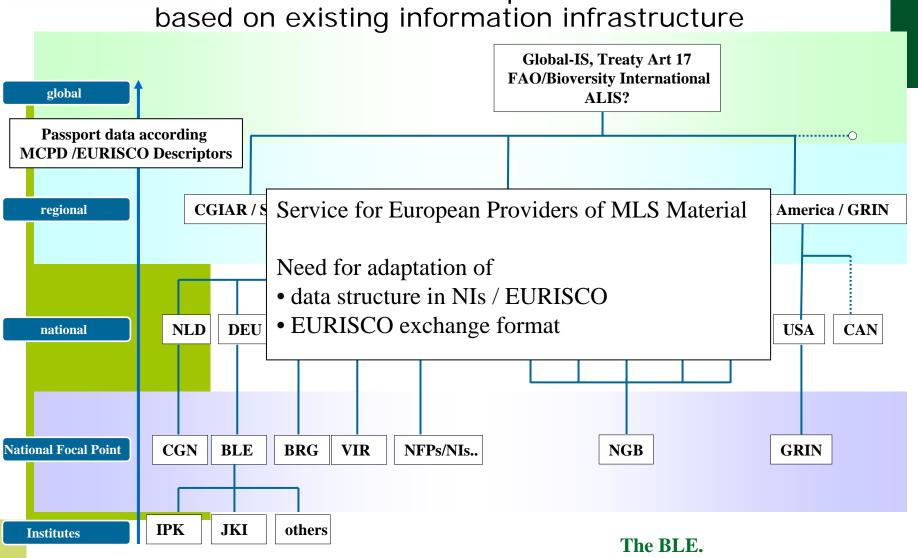
European MLS Material included in EURISCO

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PASSPORT DATA		PASSPORT DATA		
	INVENTORIES		INVENTORIES	
National Inventory Code	DEU	National Inventory Code	NLD	
Nauc I Inventory	Leany	Nauve-Tougetary	Heunerlands	
HOLDER INFORMATION		HOLDER INFORMATION		
Institute Code	DEU146	Institute Code	NLD037	
Institute Name	Genebank, Leibniz Institute of Plant Genetics and Crop Plant Research	Institute Name	Centre for Genetic Resources, the Netherlands Plant Research International	
Holder User Type] GOV/AUT	Holder User Type	Gov	
	ACCESSION INFORMATION		ACCESSION INFORMATION	_
Accession Number	BCC 1	Accession Number	CGN00014	
Accession Names	IG 128087	Accession Names	DELTA	
Accession Common Crop Names	0	Accession Common Crop Names	BARLEY	
Biological Status	Traditional cultivar / Landrace	Biological Status	Advanced / Improved cultivar	
County J. Origin] Manistan	Country of Origin	Metherlands	
MLS Status	Yes	MLS Status	Yes	
AEGIS Status	N/A	AEG15 Status	(N/A	
	TAXONOMY INFORMATION			
Copus	Hordeum		TAXONOMY INFORMATION	
Genus Species	vulgare	Genus	Hordeum	
Species Author) vugare	Species	vulgare	
Subtaxon	convar. vulgare var. hybernum	Species Author	L.	
Subtaxon Author	Viborg	Subtaxon	subsp. vulgare	
Taxon	Hordeum vulgare L. convar. vulgare var. hybernum Viborg	Subtaxon Author		▼
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Reporting procedure under the SMTA of the MLS of the ITPGR for European Providers based on existing information infrastructure



For Agriculture and Food.

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Reporting procedure under the SMTA of the MLS of the ITPGR for European Providers



SMTA reporting descriptors for EURISCO

35. SMTA Institute Code

(SMTAINST)

FAO Institute Code [or another official code] for the institute acting as Provider.

Example: DEU146

36. SMTA Number

(SMTANUMB)

This number serves as a unique identifier for the SMTA contract within an institute, and is assigned by the institute acting as Provider.

Example: IPK00724

37. SMTA Date

(SMTADATE)

Exact date on which the SMTA contract was concluded as YYYYMMDD. No missing data (YYYY, MM or DD) allowed. Leading zeros are required.

Example: 20020620

38. SMTA Total Quantity of Accessions

(SMTACCE)

Total quantity of accessions transferred by the SMTA.

Example: 345

49. SMTA Quantity of Accessions per Genus

(SMTAGENUS)

The field is used to elaborate on the number of accession per genus transferred by the SMTA. Prefix genus name in Latin, initial uppercase letter required, and a colon followed by the number of transferred accessions for the genus without space. Separate entries referring to different genera by semicolons without space.

Example: Allium: 120; Beta: 25; Hordeum: 200

40. SMTA Category of recipient

(SMTARECIP)

The coded category of the Recipient of the accessions transferred by the SMTA.

- 1 genebank
- 2 botanical garden
- 3 public research institute
- 4 private breeder
- 5 private individual, non-profit association
- 6 education
- 9 other (Elaborate in REMARK field)

41. SMTA Remarks (SMTAREMARK)

The remarks field is used to add notes or to elaborate on descriptor(s) with value 9 (=Other). Prefix remarks with the field name they refer to and a colon. Separate remarks are separated by semicolons without space.

Example: SMTARECIP: museum

Interim procedure

approved by the ECPGR Steering Committee in September 2008 for additional and voluntary reporting on concluded SMTA.





Conclusions

- Effective and efficient implementation of the MLS will be crucial for the success of the Treaty
- Implementation must imply information exchange and cooperation of stakeholders at national and international levels (e.g. in the framework of national programmes as well as in regional and international collaborative networks)
- With regard to documentation and reporting aspects, a regional system such as EURISCO could and should play a key role (cost-effective!)

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Thank you

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