

**Treaty was adopted by the FAO Conference on November 2001 and entered into force on June 2004 – 123 Contracting Parties (Sept 2009)**



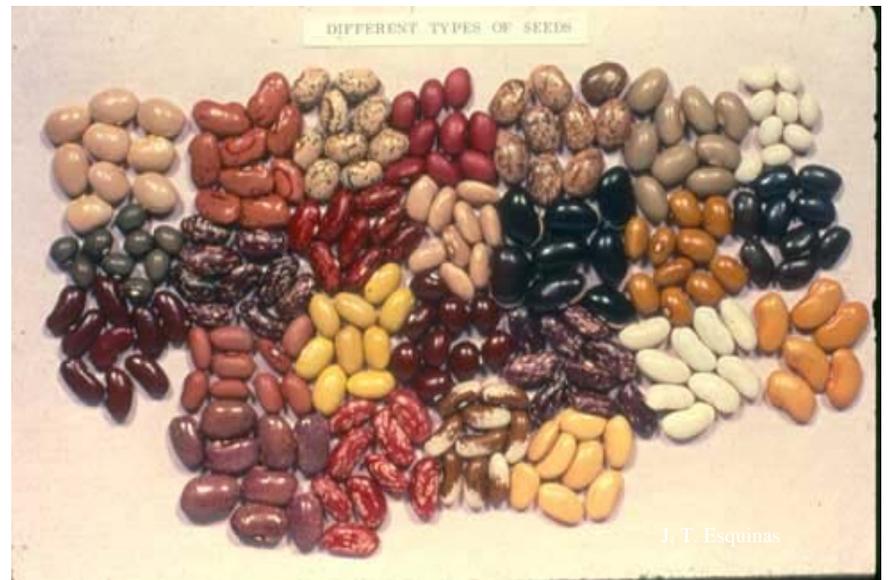
# Scope of the Treaty is all plant genetic resources for food and culture



J.T. Esquinas



J. T. Esquinas



J. T. Esquinas

# Main feature

The Treaty's cornerstone is its Multilateral System of ABS which creates a global gene pool of distributed worldwide genebanks which agreed to exchange their material (accession) according to conditions (a standard contract) agreed multilaterally

# Policy relevance of the Treaty

only fully operational, international Access and Benefit-sharing system for plant genetic resources;

presents the agricultural sector and its specificity within GR policy role:

providing innovative instrument to address simultaneously several global challenges:

genetic erosion and biodiversity loss

rural poverty of small-holder farmers

food crisis and escalation of food prices

crop adaptation to climate change

bottom-up approach to development policy in agriculture

becoming a model for numerous other sectors, eg. WHO, UNCLOS



# Three sets of information

Information about plant genetic resources (documentation of GR in situ and their characteristics)



To document and make visible the plant genetic resources in the system

Who?

Provider

Information about agreements entered into and the material transferred (contractual), which includes the minimum information legally required to initiate a dispute resolution procedure



To facilitate exchange by lowering the transaction costs of acquiring this information and provide legal effectiveness to the Third Party Beneficiary

Who?

GB/ITS

Information about use of genetic material (Non-commercial benefit-sharing)



To feed non-confidential research information back to the system

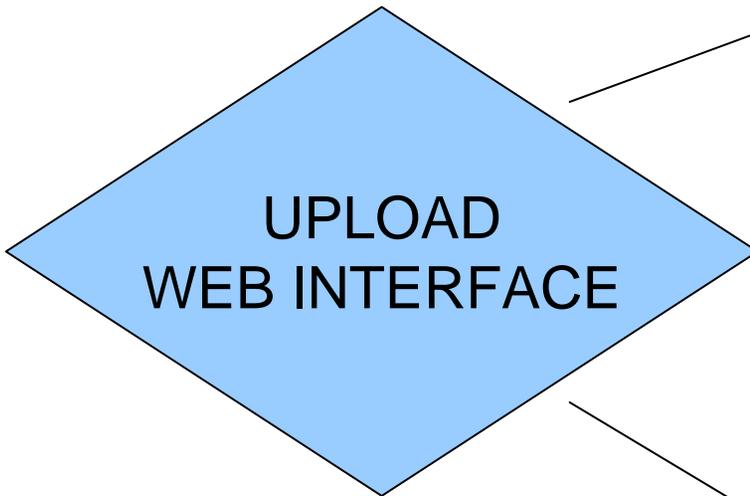
Who?

Recipient

# Permanent Identifier Server

## Permanent Identifier Server

Server is used to obtain Permanent Identifiers (PIDs) by natural and legal persons participating in Standard Material Transfer Agreements (SMTAs).



## Data Store

Secured data store will receive through the upload webpage the SMTA reports. This component is still under development.



Data Store



*A provider web site*  
*providing simple search functionalities*  
*to allow the selection of accessions and*  
*a germplasm request process.*

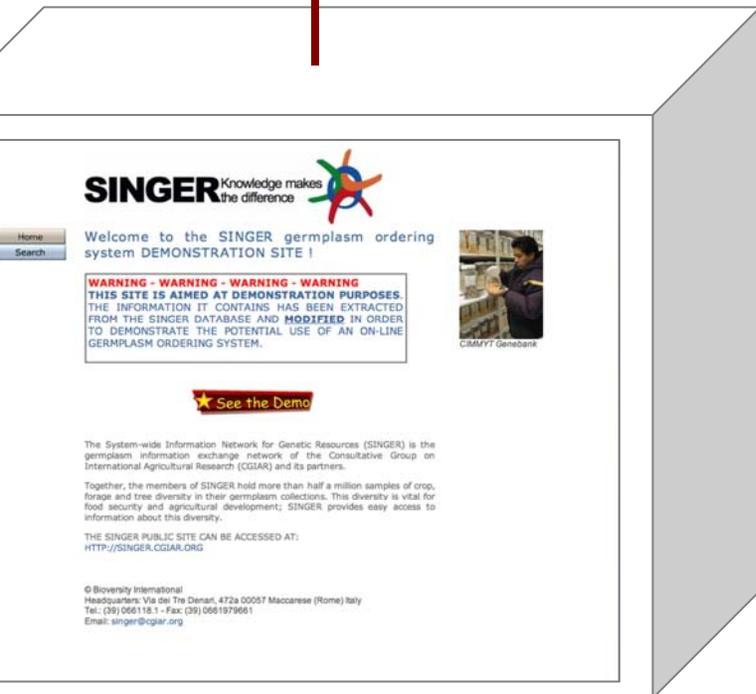
# Ordering Tool Kit 'OTK'



The screenshot shows the 'Order Summary' page of the SINGER website. At the top, there is a navigation bar with 'Provider System', 'OTK Home Page', and 'Order Summary'. The SINGER logo is on the left, and a welcome message for 'GAJJI SAMYI' with a 'Logout' link is on the right. Below the logo is the text 'English', 'Français', and 'Español'. The main content is titled 'Order Summary' and 'Recipient Information'. It contains a table with the following data:

Surname	SAMY
Name	GAJJI
Institution or Company	PRIVATE SEED COMPANY
Address	via dei tre denari 111 Maccarese
Shipping address	via dei tre denari 111 Maccarese
Country	Italy
Language	English
Country	IT
Email	s.ga@privateseed.it
Telefax	+39-56897412
FAO Institute Code	ITA405
Telephone	+39-5768425
PID	A26

Below the table is the 'Provider Information' section, which includes 'Provider Name: THE CGIAR SYSTEM-WIDE GENETIC RESOURCES PROGRAMME (SGRP)'. A red arrow points from the 'FAO Institute Code' field in the table to the 'See the Demo' button on the page below.



The screenshot shows the 'SINGER germplasm ordering system DEMONSTRATION SITE'. At the top, there is a navigation bar with 'Home' and 'Search'. The SINGER logo is on the left, and a welcome message reads 'Welcome to the SINGER germplasm ordering system DEMONSTRATION SITE!'. Below the logo is a 'WARNING - WARNING - WARNING - WARNING' message: 'THIS SITE IS AIMED AT DEMONSTRATION PURPOSES. THE INFORMATION IT CONTAINS HAS BEEN EXTRACTED FROM THE SINGER DATABASE AND MODIFIED IN ORDER TO DEMONSTRATE THE POTENTIAL USE OF AN ON-LINE GERmplasm ORDERING SYSTEM.' To the right of the warning is a small image of a person in a lab coat, with the text 'CGIAR/IT Genetic' below it. Below the warning is a '★ See the Demo' button. At the bottom, there is a paragraph of text: 'The System-wide Information Network for Genetic Resources (SINGER) is the germplasm information exchange network of the Consultative Group on International Agricultural Research (CGIAR) and its partners. Together, the members of SINGER hold more than half a million samples of crop, forage and tree diversity in their germplasm collections. This diversity is vital for food security and agricultural development; SINGER provides easy access to information about this diversity. THE SINGER PUBLIC SITE CAN BE ACCESSED AT: HTTP://SINGER.CGIAR.ORG'. At the very bottom, there is a copyright notice: '© Bioversity International Headquarters: Via dei Tre Denari, 472a 00057 Maccarese (Rome) Italy Tel.: (39) 066118.1 - Fax: (39) 0661979661 Email: singer@cgiar.org'.

*An Ordering Tool Kit Web site was design linked to provider site. The 'OTK' allows users to proceed with their germplasm request following the SMTA principles.*

# Ordering Tool Kit 'OTK'

Provider System -> OTK Home Page -> Order Summary

Welcome GAIJI SAMY! Logout

English  
Français  
Español

### Order Summary

#### Recipient Information

Surname	SAMY
Name	GAIJI
Institution or Company	PRIVATE SEED COMPANY
Address	via dei tre denari 111 Maccarese
Shipping address	via dei tre denari 111 Maccarese
Country	Italy
Language	English
Country	IT
Email	s.ga@privateseed.it
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#### Provider Information

Provider Name	THE CGIAR SYSTEM-WIDE GENETIC RESOURCES PROGRAMME (SGRP)
---------------	--

Home Search

Welcome to the SINGER germplasm ordering system DEMONSTRATION SITE!

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THE SINGER PUBLIC SITE CAN BE ACCESSED AT:  
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© Bioversity International  
Headquarters: Via dei Tre Denari, 472a 00057 Maccarese (Rome) Italy  
Tel: (39) 066118.1 - Fax: (39) 0661979661  
Email: singer@cgiar.org

# Permanent Identifier Server 'PID'

PID Server Home

Welcome Guest!

PID Server Home  
PID Registration Form  
Logout

English  
Español  
Français

### Welcome to PID Server!

PID Server is used to obtain Permanent Identifiers (PIDs) by natural and legal persons wishing to participate in Standard Material Transfer Agreements (SMTAs) under the International Treaty on Plant Genetic Resources for Food and Agriculture.

You can now:

- Find out what PIDs are and why you need one
- Register to obtain your own PID
- Manage your PID account
- Search the PID Server database
- Send inquiries about PID Server to [porfa-treaty@cgiar.org](mailto:porfa-treaty@cgiar.org)
- Go to the Treaty Website

PID Server Home | PID Registration Form | Login  
[Sign up for news](#) | [Privacy Statement](#) | [Disclaimer](#)  
Copyright 2007/2008

## Permanent Identifier Server

PID Server is used to obtain Permanent Identifiers (PIDs) by natural and legal persons wishing to participate in Standard Material Transfer Agreements (SMTAs).

# Ordering Tool Kit 'OTK'

Provider System -> OTK Home Page -> Order Summary

Welcome GAIJI SAMY! Logout  
English  
Français  
Español

**SINGER** Knowledge makes the difference

**Order Summary**

**Recipient Information**

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**Provider Information**

Provider Name: THE CGIAR SYSTEM-WIDE GENETIC RESOURCES PROGRAMME (SGRP)

# Permanent Identifier Server 'PID'

PID Server Home

Welcome Guest!  
PID Server Home  
PID Registration Form  
Logout  
English  
Español  
Français

**PID Server**  
The International Treaty  
ON PLANT GENETIC RESOURCES FOR FOOD AND AGRICULTURE

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Data Store  
A secured data store will receive from existing 'OTK' or other implementation the SMTA reports. This component is still under development.

Home Search

Welcome to the SINGER germplasm ordering system DEMONSTRATION SITE!

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Headquarters: Via dei Tre Denari, 472a 00057 Maccarese (Rome) Italy  
Tel.: (39) 066118.1 - Fax: (39) 0661979661  
Email: [singer@cgiar.org](mailto:singer@cgiar.org)

DataStore Home Page ->

Welcome Guest!

**DataStore**  
The International Treaty  
ON PLANT GENETIC RESOURCES FOR FOOD AND AGRICULTURE

**SMTA Reports Data Store**

This system stores the reports sent by Providers in compliance with the stipulations of the SMTA.

Because of the confidential nature of the information stored in this system, no public access is available.

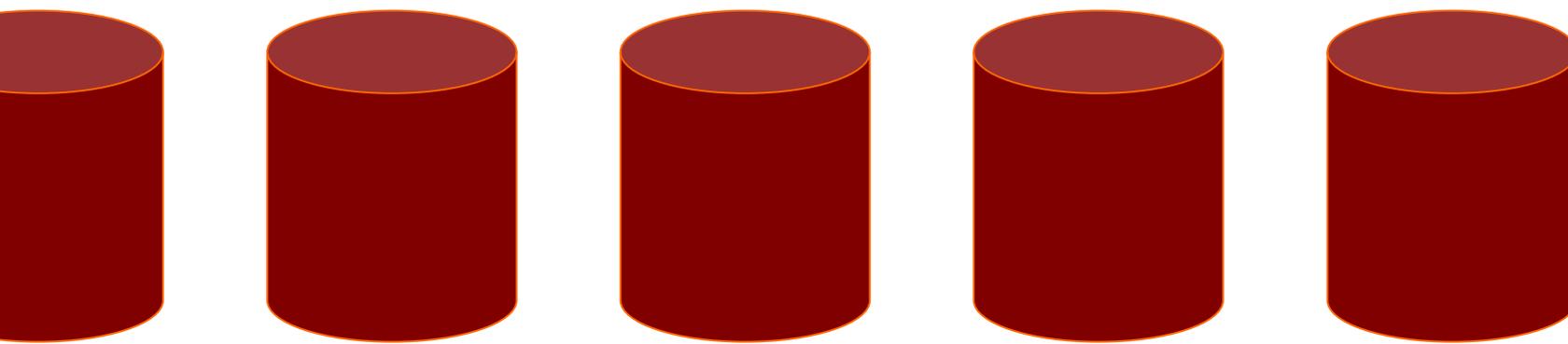
To access the system, please login using the form below.

Username  
username

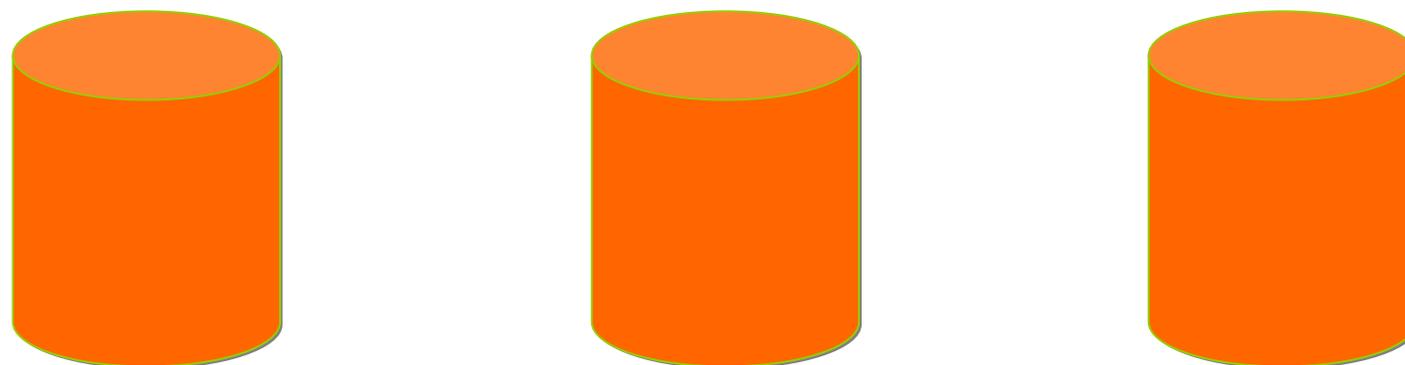
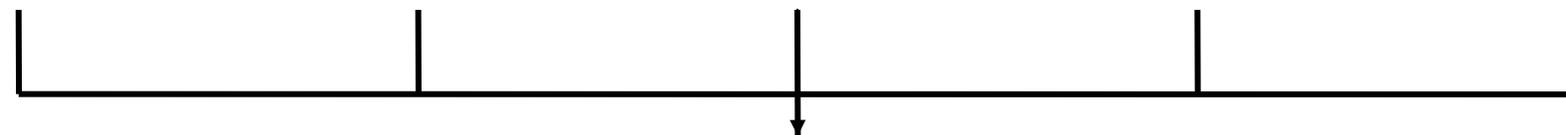
Password  
\*\*\*\*\*

Login

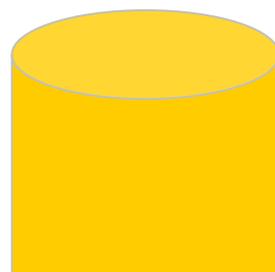
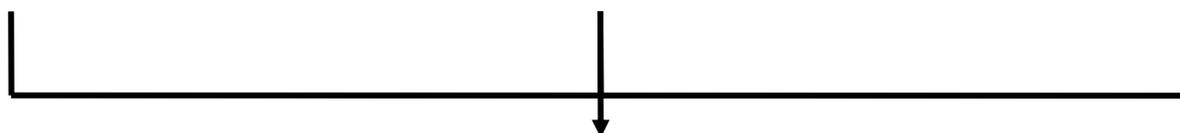
# ALIS - Global facilitated access



Genebank  
Information  
systems



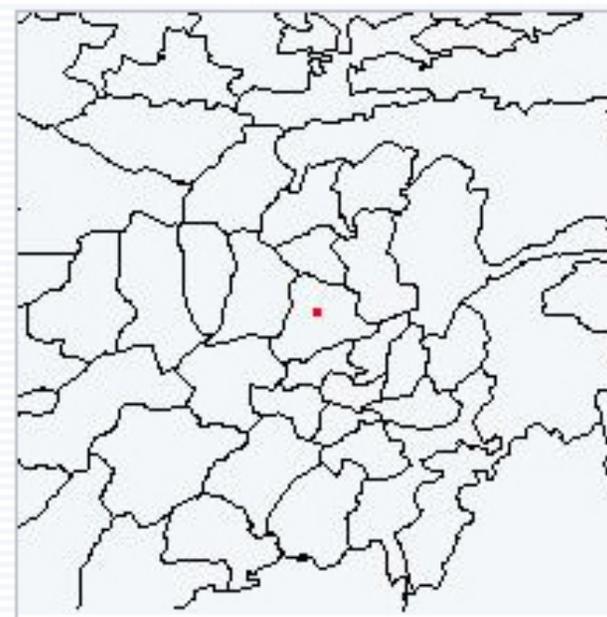
GRIN  
EURISCO  
SINGER



Global  
ALIS

**Collection Site/Mission**

**Site code:** AFG65:168      **Country:** Afghanistan      **Province:** Baghlan  
**Site:** 8 km S Pul-Khumri (Pul-i-Khumri) on flood plain; Surghab river-roadside  
**Longitude:** 68.76000      **Latitude:** 35.88000      **Altitude:** 792  
**Slope:** Unknown      **Aspect:** Unknown

**Map**

X  
Y

**Soil**

**Parent rock** Unknown      **Texture** Unknown      **Depth** 0  
**pH** Unknown      **Salinity** Unknown

**Site Notes**

ON FLOOD PLAIN OF THE SURGHAB RIVER. GROWING 'WILD' IN VARIED GRASS PASTURE.

**Environment**

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
<b>Rainfall</b>	30.9	45.93	66.44	74.09	28.9	0.53	0	0	0	7.87	21.14	24.81	294.38
<b>Max. Temperature</b>	8.21	10.57	16.24	22.57	29.1	35.18	36.87	35.55	29.82	23.32	15.72	8.98	23.09
<b>Min. Temperature</b>	-2.04	0.69	5.74	10.44	14.32	18.38	20.7	19.11	13.77	8.68	3.02	-0.59	9.33
<b>Potential evapotranspiration</b>	19.7	32.07	64.92	98.28	157.42	202.61	216.56	184.57	131.54	82.15	36.76	19.16	1245.7
<b>Aridity index</b>	1.569	1.432	1.023	0.754	0.184	0.003	0	0	0	0.096	0.575	1.295	0.236
<b>Aridity Class</b>	Semi-arid (0.2 - 0.5)												
<b>FAO Soil Classification</b>	LITHOSOLS												
<b>UNISCO Agroclimatic Zone</b>	Semi-arid, Cool winter, Warm summer												

vides:

single gateway to access the world's  
significant collections;

appropriate information to facilitate  
utilization and conservation;

functionality to request accessions from  
providers in compliance with the MLS and  
MTA

, global way to gather information about accessions in  
banks AND make it available for access and benefit sharing in  
multilateral system