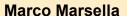
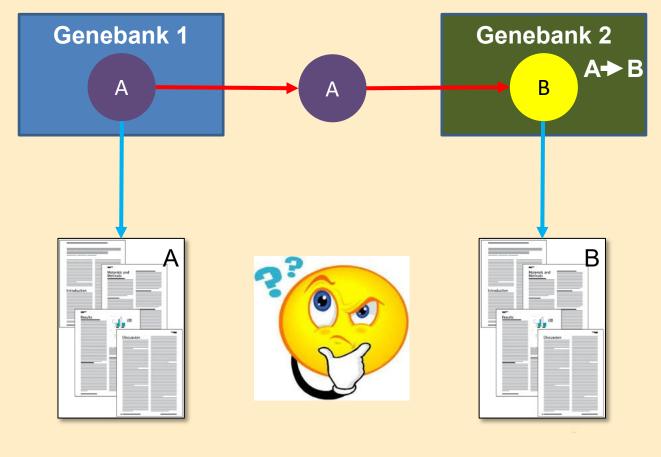




GLIS and DOIs for PGRFA



Why do we need Permanent Unique IDentifiers (PUIDs)?



Connection of Recipient's AN to Provider's AN is at best recorded in the Recipient's documentation system

The request

The community agreed on the need of accurately and permanently identifying PGRFAs in the increasingly critical global context.

The Treaty Secretariat was asked to provide guidance on which type of PUID was best for PGR.

- The Secretariat conducted:
 - a study on available technologies
 - a survey among over 200 experts worldwide
 - a further validation study with 23 selected experts
- The outcome of the process was the adoption of Digital Object Identifiers
 (DOIs) by the Scientific Advisory Committee (SAC) on the Global
 Information System

What does a DOI look like?

10.18730/M9SNT

DOI System prefix

GLIS prefix Unique value assigned by GLIS

- Fully opaque, important!
- Very compact
- Guaranteed unique
- Never changes

GLIS DOIs are free-of-charge!



Why opacity is important

Opacity is a critical property of PUIDs and is defined as the impossibility of deriving any property of the object by just looking at the PUID associated to it

10.18730/M9SNT

Somebody proposed to build a PUID ("the Triple") as follows WIEWS code of the Holder: Genus: Accession Number PHL001:Oryza:IRGC12345

But the Triple did not work because it is not opaque!

- WIEWS codes change (think of the Soviet Union or Yugoslavia!)
- Genera also change (from time to time they are merged or split)

Change pressure occurs when the meaning embedded in the identifier is no longer correct. There is the pressure to change to identifier to restore the correct meaning

GLIS DOI landing page





Home

Login

PGRFA doi:10.18730/9KYC

Citation: https://doi.org/10.18730/9KYC



cultivar/landrace

Main descriptors

≜ Acquisition

↑ DOI info

Location Centro Internacional de la Papa

Av. La Molina Na 1895 - La Molina

Lima Peru

WIEWS code: PER001 [Details]

Easy-SMTA PID: 00AD19

Local identifier CIP 703314

Date 1976

Creation method Acquisition

Taxon Solanum stenotomum Juz. & Bukasov subsp. Stenotomum (Juz. & Bukasov)

Common name Potato

Biological status Traditional

Names Other identifiers

MLS status Included

Historical No

Links to associated information (1-2 of 2)				
Keywords	URL			
Characterization, Passport data	http://genebank.cipotato.org/gringlobal/accessiondetail.aspx?id=21805			
Passport data	https://www.genesys-pgr.org/10.18730/9KYC			

Publi	Publications and datasets citing this PGRFA (1-1 of 1)						
Туре	Title	Published	Journal	Authors	Publisher		
Paper	Genetic identity in genebanks: application of the SolCAP 12K SNP array in fingerprinting and diversity analysis in the global in trust potato collection	2018-05-24	Genome	D. Ellis, O. Chavez, J. Coombs, J. Soto, J. Coombs, R. Gomez, D. Douches, A. Panta, R. Silvestre, N.L. Anglin	NRC Research Press		



GLIS DOI landing page, cont'd



English ~



Home Statistics DOI module Partners Login

PGRFA doi:10.18730/ZEMHJ

Citation: https://doi.org/10.18730/ZEMHJ



Organization/individual ICRISAT Plant Breeding Program

conserving the PGRFA Patancheru

Telangana PIN - 502324

India

Easy-SMTA PID: 00BL49

Local identifier ICGV 201174

Date 2021-05-05

Creation method Novel distinct PGRFA from 10.18730/RZEZY, 10.18730/RZE98, 10.18730/RJA9U

Taxon Arachis hypogaea L.

Common name Groundnut

Biological status Wild

Names

Other identifiers

MLS status Not

included

included

Historical

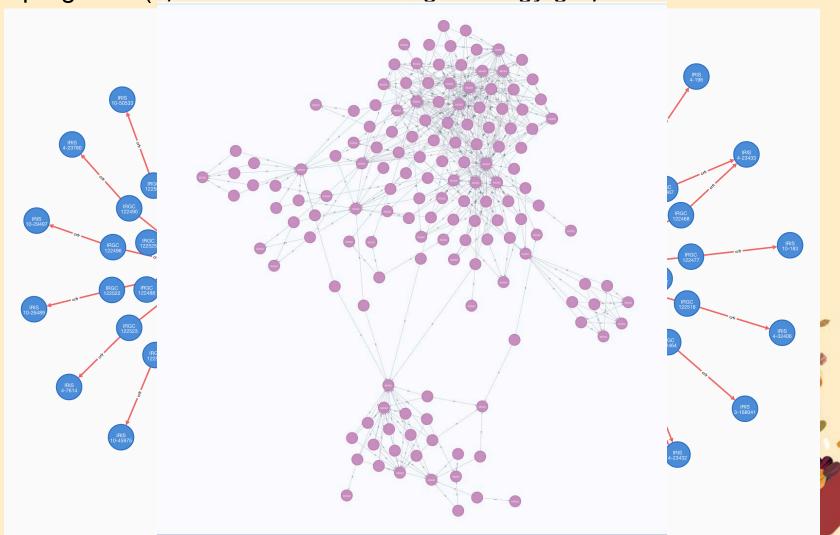
No links found

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Method of creation and relationships among PGRFA

Knowing how the PGRFA was obtained and the DOI(s) of the progenitor(s) allows GLIS to build *genealogy graphs*



GLIS DOIs for Crop Wild Relatives conserved in situ (CWRI)

Descriptors document released (see Treaty and GLIS websites)

Specific set of descriptors

Population identifier

Manager

Observation date

Ex situ copy holder

Observation location

Protection and conservation details

We invite partners to provide their datasets for uploading to GLIS



GLIS Query API

Access to all DOI information in GLIS using content negotiation for:

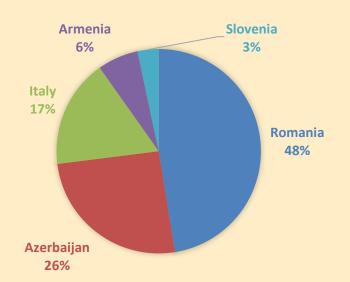
- XML
- JSON
- JSON-LD
- DarwinCore Archive
- BrAPI v1.3

We welcome parties interested in testing the Query API

Integration between EURISCO and GLIS

GLIS offers an XML-based integration protocol that allows to register new DOIs and update already registered DOIs

- EURISCO implemented the protocol in 2019
- The protocol is also used by GRIN-Global, GG-CE and Web-SDIS
- So far, a total of 32,830 DOIs have been registered



We are happy to support EURISCO promoting DOIs to member genebanks

OK, I've got DOIs, now what?

Use the DOIs you received from EURISCO/GLIS:

- in publications
 - list the DOIs of the materials as bibliographic references
- in datasets
 - enter the DOIs of the materials in the metadata submitted for registration of the dataset
- in the SMTAs you issue
 - list the DOIs in Annex 1 to the SMTA



Thank you!

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