

Generating national LR inventories

Data to be collected, type and availability

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Outline

1- Basic number of data to be recorded when inventorying LRs

2- Other useful data

3- LR mapping

4- Making data available to the PGR secure project

5- Matter to be discussed and agreed



1- Minimum data to be recorded about LRs present on farm: we suggest



1. Genus
2. Species
3. Authority
4. LR local name
5. Latitude
6. Longitude
7. Altitude

**to be recorded by using
GPS in new explorations**



and answers to questions:

8. 'How long time the landrace has been cultivated in the farm?'(years)
9. 'LR reintroduced from gene banks/other farmers?' (yes/no).
 - If reintroduced from genebank:
 - give reference of the genebank.
 - If reintroduced from other farmers specify if from:
 - neighboring,
 - same district,
 - different district/country.
10. 'Any seed exchange with other local farmers?' (yes/no)



1- Minimum number of data to be recorded and worked out : which data format?



The same used for data input in EURISCO



Eurisco might be extended to record on farm data



2- Other data to be recorded

(they are useful for planning and monitoring on farm conservation actions)

Minimum descriptor list already worked out by the ECPGR on farm WG
downloadable from :

http://www.ecpgr.cgiar.org/networks/in_situ_and_on_farm/on_farm_wg.html

On farm descriptors - English VN DC 161107final [Vain luku] [Yhteensopiva tila] - Microsoft Excel

	A	B	C	D	E	F	G	H	I
1	Dipartimento Biologia Vegetale e Biotecnologie Agroambientali e Zootecniche - Università degli Studi di Perugia - Italy								
2	Banca de Resurse genetice vegetale - Suceava - Romania								
3	Minimum descriptors list for the documentation of on-farm conservation and management activities								
4	(draft - proposal)								
5	Collecting/observation date								
6	Collecting number								
7	Name of collector / Institution								
8									
9									
10	THE LANDRACE								
11	Genus and species								
12	Vernacular name of species								
13	Vernacular name of varieties and the synonymous								
14									
15	1	IDENTIFICATION OF COLLECTING/OBSERVATION PLACE	Area						
16			County						
17			Village						
18			Latitude (°N)						
19			Longitude (°E)						
20			Altitude (m)						
21	Geophysics site description					plaine		1	
22						medium hill		2	
23						high hill		3	
24						plateau		4	



Descriptors: Crop, farmer & socio-economic information

- IDENTIFICATION OF COLLECTING/OBSERVATION PLACE
- SOIL SAMPLE FOR DIFFERENT ASSAYS
- COLLECTING/OBSERVATION PLACE CHARACTERISTICS
- SPECIFIC HABITAT of COLLECTING/OBSERVATION PLACE
- SEED SUPPLY SYSTEM
- GERMPLASM FOUND
- GERMPLASM COLLECTED
- STATUS OF THE SAMPLE
- PHOTO RECORDS
- LANDRACE IMPORTANCE IN THE FARM/FAMILY
- FARMING CALENDAR
- REPRODUCTIVE SYSTEM IN THE FARM
- LANDRACE CROPPING SYSTEM
- LANDRACE PROPAGATION METHODS
- landrace MANAGEMENT
- HARVESTING METHODS
- DRYING PLACE
- IS PROPAGATION MATERIAL SELECTED by the farmer?
- PROPAGATION MATERIAL SELECTION CRITERIA
- PROPAGATION MATERIAL STORAGE FACILITIES

PROPAGATION MATERIAL STORAGE PRACTICES

STORAGE CONTAINER

LANDRACE LABOR DIVISION BY GENDER

LANDRACE MAINTAINING REASONS

USED PARTS OF THE PLANT

LANDRACE USES SOCIO - CULTURAL, HISTORICAL AND TRADITIONAL ASPECTS

PERCEPTION ABOUT THE RISK TO LOSE THIS LANDRACE

INFORMATIONS ABOUT EXTINCTION OF OTHER LAND RACES

WAS THE LANDRACE ALREADY COLLECTED AND STUDIED?

PERMISSION TO SPREAD THE VARIETY (whether samples are collected to enter in a gene bank)

Farmer signature

FARM'S MANAGER

FARM'S MAIN ACTIVITY

TYPE OF AGRICULTURAL SYSTEM

NUMBER OF DISTINCT LANDRACES CULTIVATED IN:

FARMERS' PHENOTYPIC CRITERIA TO DISCRIMINATE BETWEEN LANDRACES OF THE SAME SPECIES

NOTES

3- Mapping of inventoried LRs

needed :

- For conservation planning, i.e.
- to know where to set
 - ex situ and
 - in situ conservation actions
- For risk assessment
- To monitor conservation across years



UNIPG will take care of it whether data are provided



4 - Making data available to the PGR secure project

Which crop: **all**, but focus on those belonging to *Avena*, *Beta*, *Brassica*, *Medicago* genera

A web available tool can be prepared by UNIPG for direct input of LR country data by each nominated On-farm National Inventory Contact Point.

It foresees you:

- Register to the tool
- Login to have access
- Input your LR minimum + (possibly) other data



5 - To be discussed and agreed

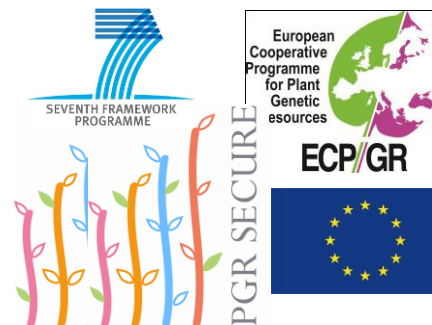
1) Are the proposed set of 10 basic data

2) Is the proposed data format (e.g. EURISCO format) ok?

3) Are you willing to make available your country data to PGR secure and use the tool prepared by UNIPG for data input?

question	Majority answer after discussion
1	
2	
3	

Thank you for attention



Following discussion....

Minimum data to be recorded about LRs present on farm: suggested



1. Genus
 2. Species
 3. Authority
 4. LR local name
 5. Farm Latitude
 6. Farm Longitude
 7. Farm Altitude
- } to be recorded by using
GPS in new explorations



and answers to questions:

8. 'How long time the landrace has been cultivated in the farm?' (years)
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 - different district/country.
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Added traits suggested by the WS participants as mandatory

11. Inventorying date
12. National Inventory number
13. Institute code
14. Country
15. District
16. Municipality
17. Main use of product obtained from LR (i.e. baking, brewing,)
18. Total area cultivated under the inventoried LR (ha)
19. LR name synonyms known by the farmer (to be listed)
20. Farmer motivations for growing LRs
21. Special traits the farmer observe in the LR
22. Sample for ex situ safety duplication collected? (yes/no)
if yes specify Institute code
23. Is the LR under threat? (yes/no)
24. Is any monitoring foreseen? (yes/no)
25. Farmer permission of making public the data recorded about the LR and the farm obtained (yes/no)

Discussed and agreed

1) Are the proposed set of 10 basic data ok?

2) Is the proposed data format (e.g. EURISCO format) ok?

3) Are you, as national responsible for inventorying LR data*, willing to make available your country data to PGR secure and use the tool prepared by UNIPG for data input?

***Only you will have access!**

question	Majority answer after discussion
1	Yes + added traits
2	Yes
3	Yes

