

# **Albanian National Inventory Development and Status**

**EURISCO NFP regional Training Workshop for  
Southeast Europe  
19-21 May, 2015, Tirana, Albania**

**Belul Gixhari,  
NFP for Documentation in Albanian Genebank  
(Agricultural University of Tirana)**

# Documentation-Type of data

## ☞ Genebank data

- ☞ Exploring and Collecting data.
- ☞ Acquisition and Registration data.
- ☞ Sample Processing and Germplasm testing data.
- ☞ Conservation type data.
- ☞ Storage and Monitoring data.
- ☞ Characterization & Evaluation data/Experimental data.
- ☞ Regeneration data.
- ☞ **Some Molecular Markers data .**
- ☞ Documentation and Information data.
- ☞ Distribution data.
- ☞ Equipment's and Collection Security data.
- ☞ etc

# Source of data

explorations/collecting data



On farm conservation



## STANDARDS

- 1 Exploration Skeds 2015.
- 2 Collecting Skeds 2015.
- 3 Collecting Labels (General model).
- 4 Collecting Cartels ( General model).
- Olive I Bardhi Tiranës
- Olive Ulliri i zi i Tiranës

- 9 Eurisco descriptors final version vers-1
- 10 EURISCO Descriptors Version 2 Full
- 11 MULTI-CROP PASSPORT DESCRIPTORS 2012 V.2

# Source of data - ex situ seed collection



# Source of data

➡ Sample processing



➡ Germplasm testing



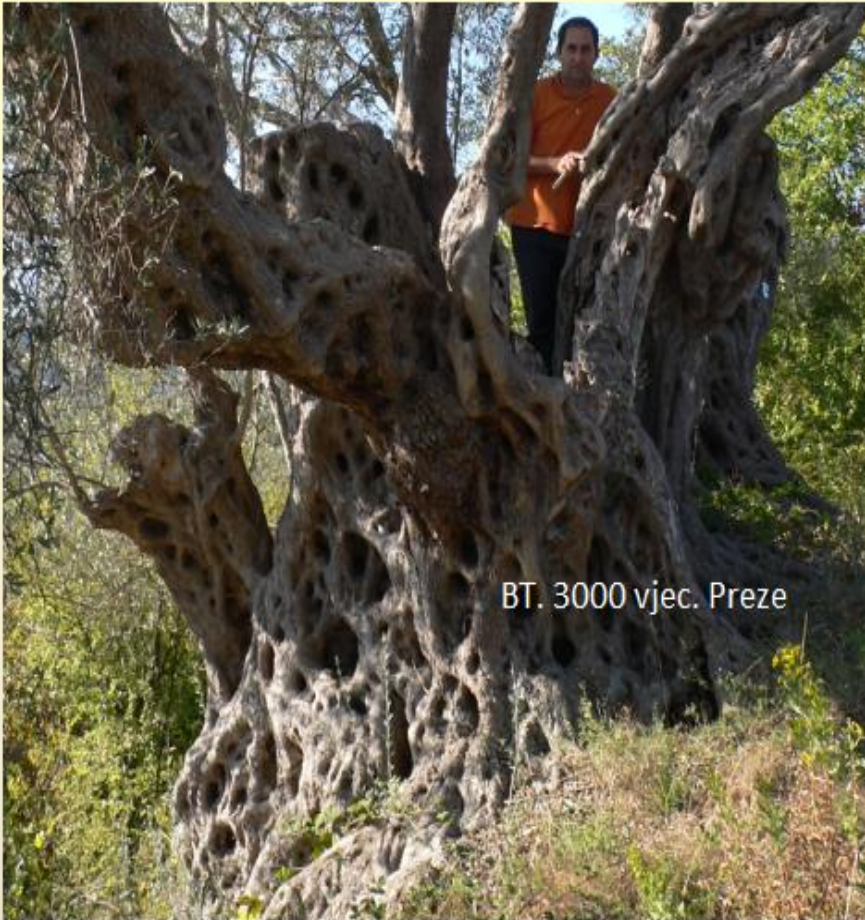
➡ Conservation



# Field collection data



## On Farm data



BT. 3000 vjec. Preze



**In situ**

**Ex situ**

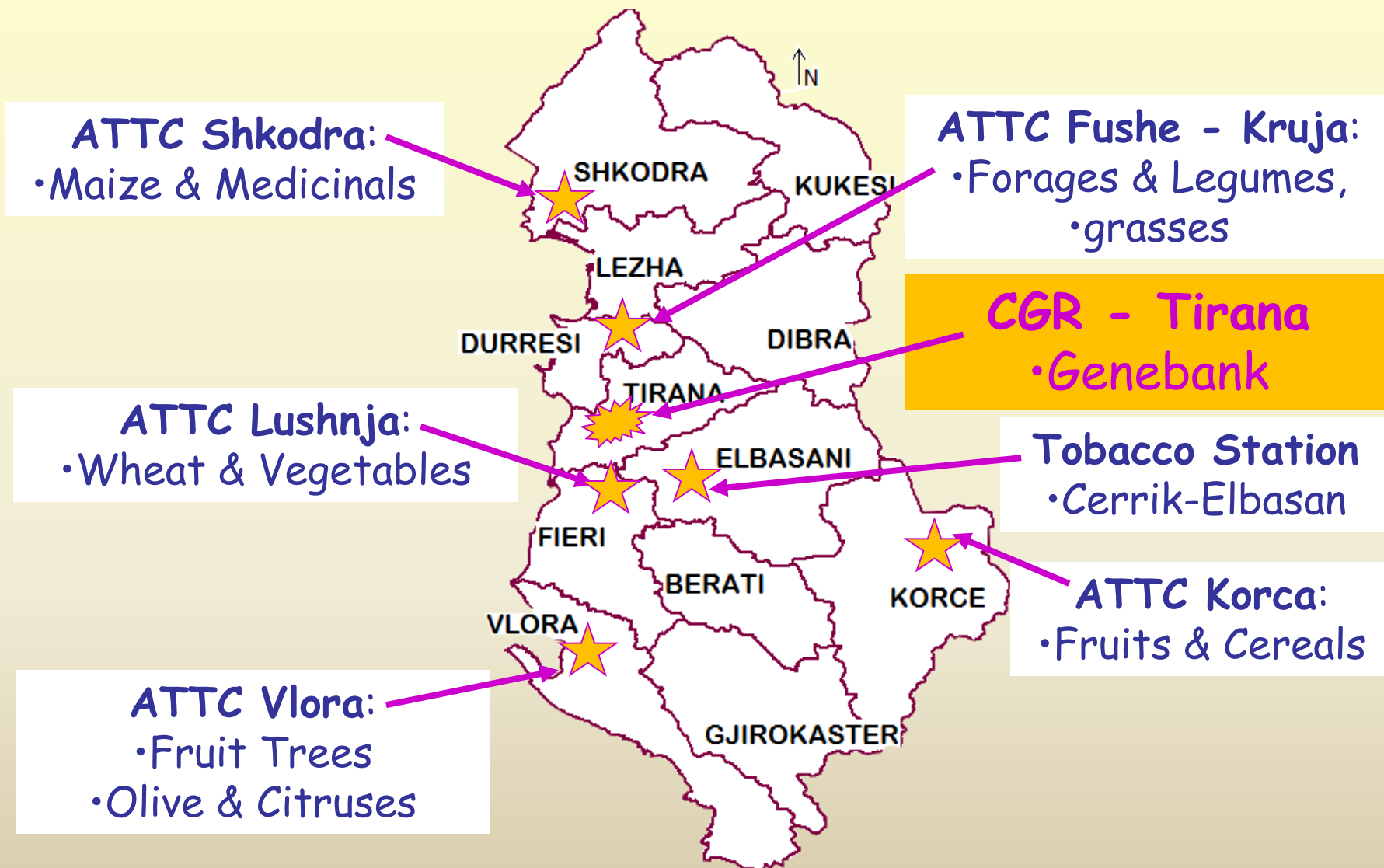
On farm conservation ↔ On farm conservation

## In Situ, On Farm data (1<sup>st</sup> steps of documentation)

<b>Crops / Accession</b>	<b>In Situ</b>	<b>On farm</b>	<b>In Situ/On Farm</b>
Fruit Trees (landraces listed 633 acc.)	163	130	293
Vitis sp.	2	44	46
Olive trees (1000-3000 years old)	116	40	156
Citrus	12	11	23
Medicinal (wild species)	403	0	403
Phaseolus (landraces)	0	5	5
Zea mays (landraces)	0	3	3
<b>Total (accession)</b>			<b>1269</b>
<b>Genus</b>			<b>63</b>
<b>Species</b>			<b>76</b>
Farmers engaged with PGR (on farm)			13
Farmers (listed as potential in the future)			45



# Agricultural Institutions data



# Main databases

= according to Research Groups and Crops.

1. Arable crops (cereals, forages, industrials, medicinal & aromatic plants) and germplasm management database.
2. Horticulture crops (vegetables, fruit trees, grapevine, subtropicals, olive & citrus) database.
3. Documentation (database, documentation, information, publication) data.

# DOCUMENTATION DATA

·Acquisition and Registration  
(Standards & Genebank Rules)

Accepted for long-term preservation

- ✓ Mandate species
- ✓ Within region
- ✓ Information of identity
- ✓ Seed quality
- ✓ Seed quantity
- ✓ Passport data
- ✓ Specific characteristic

# DOCUMENTATION DATA

- **Sample Seed Processing and Storage.**
  - Seed cleaning = YES
  - Seed drying = YES
  - Seed moisture content = YES
  - Seed package = YES
- **Germplasm testing.**
  - Viability Testing = YES
  - Health diagnosis (Purity + Health Testing) = YES (partially)
  - Trans-gene detection (OMG testing). = NO
- **Use of Molecular Markers (=Realized only in some crops)**
- **Conservation Types.**
  - Seed bank conservation. = YES
  - Field bank conservation. = YES
  - In vitro bank conservation. = NO
  - Cryo-bank conservation. = NO
  - Vegetative bank conservation = YES (Some crops)
  - DNA bank conservation. = NO

# ALB Plant Genetic Resources Inventory

## 1. Home (genebank) Inventory of PGR (> 3700 acc.)

ex situ seed collection = 2510 accession.

ex situ field collection = 644 accession.

(82 genera and 128 species)

(with standard data + raw data)

&

## 2. ALB National Inventory (NI) in EURISCO (= 2111 acc.)

= 2111acc (= 33 genera, 62 species),

(with standard data)

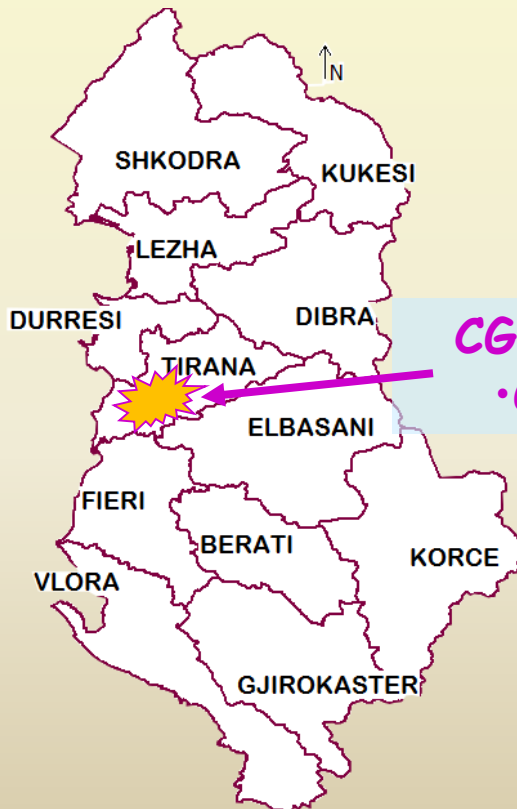
# ALB National Inventory (NI) Development

## Genebank (15 years) activity has:

- carried out over 44 exploration/collecting missions.
- in all different districts of Albania.
- collected over 4.000 different samples/accessions.
- of more than 80 genera and 130 different species.

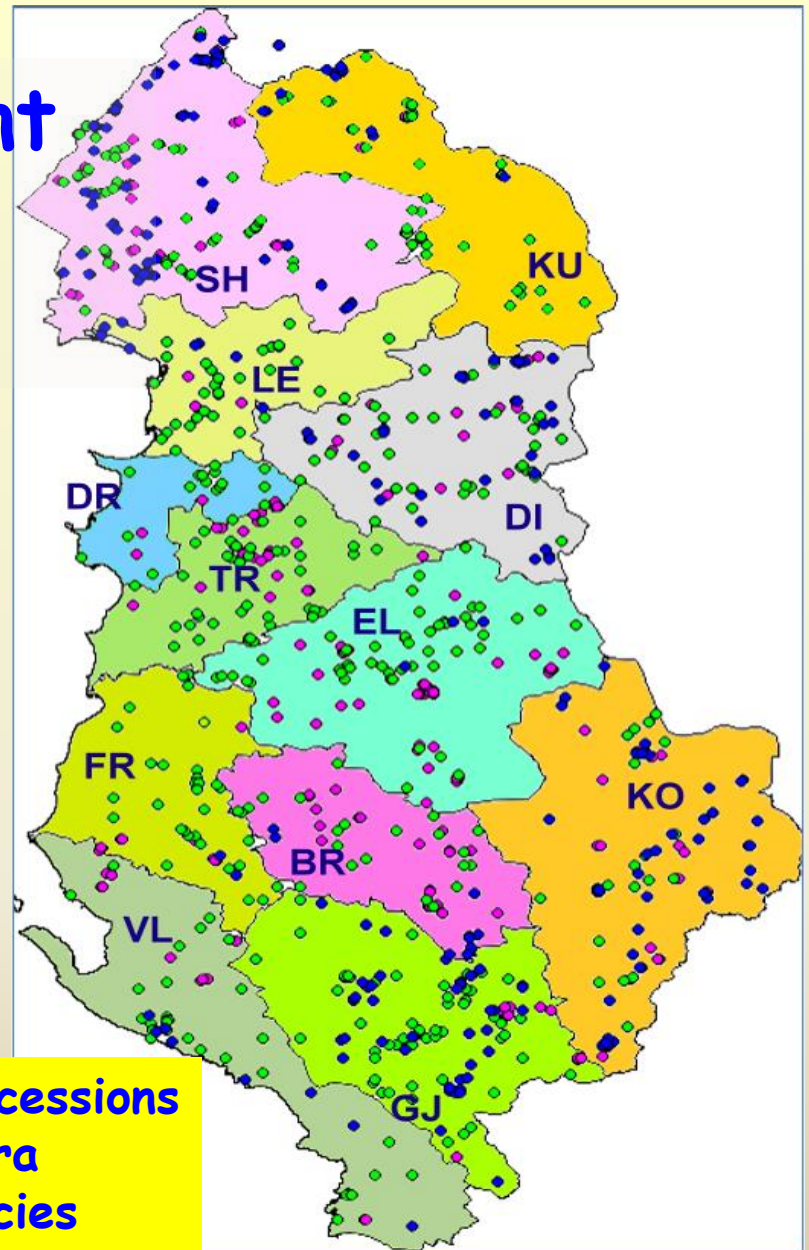
# Albania NI Development

## "Success" Stories



CGR - Tirana  
•Genebank

4000 accessions  
80 genera  
130 species



# ALB NI Development

## ALB NI in EURISCO



- Dec. 1998 = 0 accession
- Dec. 2008 = 404 accessions.
- Dec. 2014 = 2111 accessions.
- May 2015 ~..4070 accessions (**..checking process**)

ALB NI is present on-line in: <http://eurisco.ecpgr.org/>  
<http://eurisco.ipk-gatersleben.de/>



## Albania NI in EURISCO

= 2111acc (= 33 genera, 62 species),

Genebank = 1839 accessions.

ATTC Vlora = 272 accessions.

Breeding Materials = 976 acc. (= 6 genera, 25 species)

Collected Materials = 1135 acc. (31 genera, 40species)

COLLECTED - NO-GOEDATA = 446 acc (26 species)

COLLECTED+GEODATA = 689 acc (18 genera, 19 species).

96% of NI in EURISCO is represented by Albanian accessions.

# Albania National Inventory (NI)

## Accessions by country of origin

(data only for **Old genebank Inventory** = 2687 acc.)

Country of origin	Accessions	%	Country of origin	Accessions	%
Albania	2193	81.6%	Czech...	17	0.6%
Italy	70	2.6%	Nederland	12	0.4%
Germany	58	2.2%	Austria	11	0.4%
USA	40	1.5%	China	11	0.4%
France	30	1.1%	Russia	10	0.4%
North Korea	25	0.9%	Romania	10	0.4%
Lituania	24	0.9%	unknown	87	3.2%
Greece	22	0.8%	Other 15 countries	67	2.5%

**More than 80% of accessions are from Albania.**

Accession origin from Italy, Germany, Usa and France range from 1% to 3%.

# Characterization, evaluation and molecular data.

- Pea 28 acc. (15 QL traits + 23 QN characters)  
+ 14 RBIP markers
  - Grass pea 12 acc. (10 QL traits + 14 QN characters)
  - Tobacco 22 acc. (10 QL traits + 14 QN characters)
  - Maize 104 acc. (10 QL traits + 21 QN characters)
  - Haricot 117 acc. (5 QL traits + 4 QN characters)
  - Apple 12 acc. (8 QL traits + 4 QN characters)
  - Plum 14 acc. (12 QL traits + 16 QN characters).
  - Olive 6 acc. (18 QL traits + 16 QN characters)  
+ 14 SSR markers.
  - Olive 24 acc. (18 QL traits + 27 QN characters)
- 

Total = 222 acc. / AGB accessions in EURISCO = 1839 acc. = 12%.

**SEEDNet Project**  
**(2009-2010):**

COLLECTED = 630 acc.  
(= 27genera, 36 species).

**Contribution: = 630 acc.**

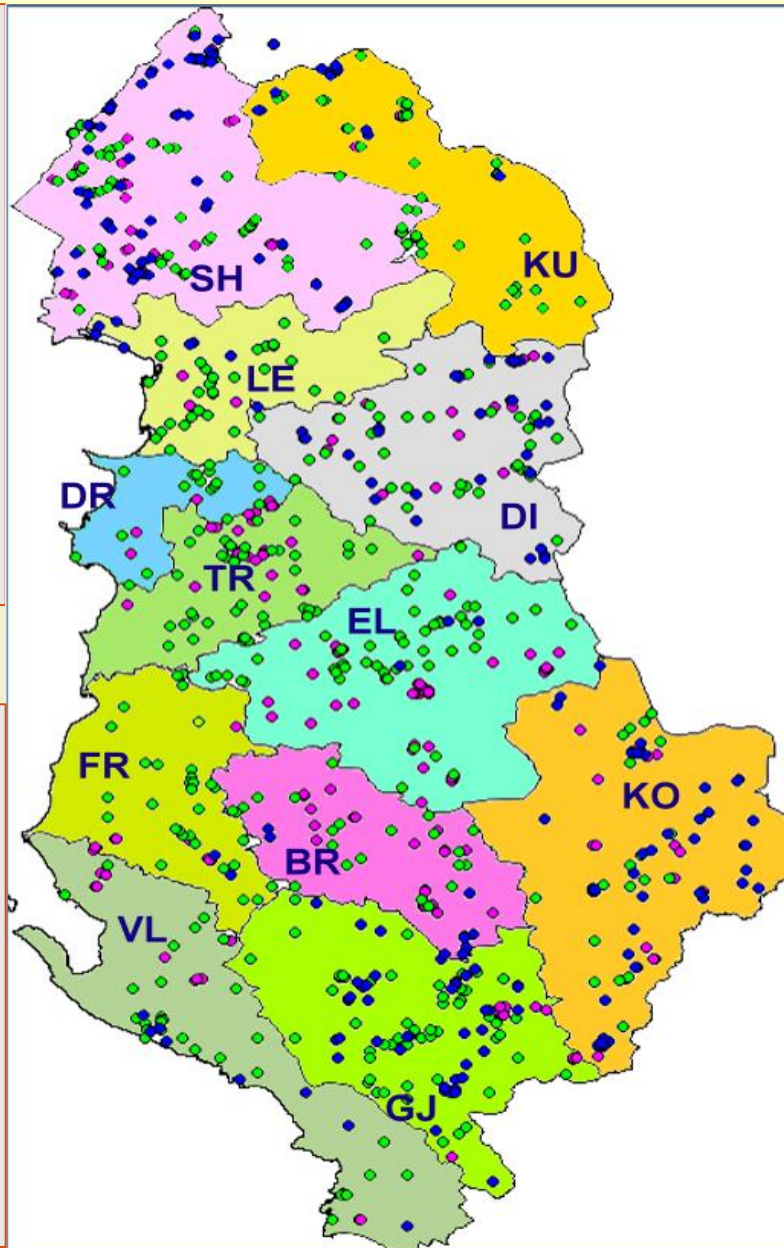
**New areas surveyed & collect**  
**= 12 new genera,**  
**= 17 new species.**

**FAO Project (2013-2014):**

COLLECTED = 528acc.  
(= 40 genera, 52 species).

**Contribution: = 528 acc.**

**New areas surveyed & collect**  
**= 18 new genera,**  
**= 25 new species.**



- FAO\_2013-2014  
●
- GENBANK\_689  
●
- SEEDNET\_630\_a  
●
- GENEBAK+SEE  
●
- ALB\_adm1  
□

# ACTUAL STATUS OF ALB (NI)

ALB NI total (May 2015):

Breeding + Collecting Materials = 4070 acc.

(86 genera, 128 species).

GENEBANK	= 3798 ACC
ATTC VLORA	= 272 ACC
<hr/>	
TOTALI	= 4070 ACC

SEEDS	= 3154 ACC (EX SITU BASE COLLECTION)
TREES	= 916 ACC (FIELD COLLECTIONS)
<hr/>	
TOTAL	= 4070 ACC

(..checking process)

# Database formats:

Data are recorded in Excel, Word, Word, Access, photo, etc., formats, according to International Standards and Descriptors.

AC882

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	
1	NICODE	INSTCODE	ACCNUMB	COLLNUMB	COLLCODE	GENUS	SPECIES	SPA	SI	CROPIN	ACCENAME	ACQDATE	ORIGC	COLL SITE	LATITUDE	LONGITUDE	ELEVATION	COLLDATE	BR	SAMP AN	COLL	DONORCO	DONORNU	OT	DUPL SITE	ST		
868	ALB	ALB017	AGB0867	KHP140	ALB006	Zea	mays	L.		maize	Çaragjati	20030108	ALB	Mat	4135--N	01959--E	350	1976----		300	40	ALB006	IMO0339	ALB006	13			
869	ALB	ALB017	AGB0868	KHP141	ALB006	Zea	mays	L.		maize	Qelqor i bard	20030108	ALB	Permet	4013--N	02021--E	350	1976----		300	40	ALB006	IMO0340	ALB006	13			
870	ALB	ALB017	AGB0869	KHP142	ALB006	Zea	mays	L.		maize	Miser i bardh	20030108	ALB	Permet	4013--N	02021--E	350	1976----		300	40	ALB006	IMO0341	ALB006	13			
871	ALB	ALB017	AGB0870	KHP143	ALB006	Zea	mays	L.		maize	I bardhe i me	20030108	ALB	Tropoje	4224--N	02010--E	600	1976----		300	40	ALB006	IMO0342	ALB006	13			
872	ALB	ALB017	AGB0871	KHP144	ALB006	Zea	mays	L.		maize	Dukaj	20030108	ALB	Permet	4013--N	02021--E	450	1976----		300	40	ALB006	IMO0343	ALB006	13			
873	ALB	ALB017	AGB0872	KHP145	ALB006	Zea	mays	L.		maize	Qeserat	20030108	ALB	Puke	4202--N	01954--E	400	1976----		300	40	ALB006	IMO0344	ALB006	13			
874	ALB	ALB017	AGB0873	KHP146	ALB006	Zea	mays	L.		maize	Filat	20030108	ALB	Korçë	4035--N	02040--E	600	1976----		300	40	ALB006	IMO0345	ALB006	13			
875	ALB	ALB017	AGB0874	KHP147	ALB006	Zea	mays	L.		maize	Fare madh p	20030108	ALB	Diber	4140--N	02027--E	400	1976----		300	40	ALB006	IMO0346	ALB006	13			
876	ALB	ALB017	AGB0875	KHP148	ALB006	Zea	mays	L.		maize	Mashkullore	20030108	ALB	Gjirokaster	4009--N	02010--E	400	1976----		300	40	ALB006	IMO0347	ALB006	13			
877	ALB	ALB017	AGB0876	KHP149	ALB006	Zea	mays	L.		maize	Fara Gurre	20030108	ALB	Shkoder	4215--N	01946--E	500	1976----		300	40	ALB006	IMO0348	ALB006	13			
878	ALB	ALB017	AGB0877	KHP150	ALB006	Zea	mays	L.		maize	Miser Gusht	20030108	ALB	Puke	4202--N	01954--E	500	1976----		300	40	ALB006	IMO0349	ALB006	13			
879	ALB	ALB017	AGB0878	KHP151	ALB006	Zea	mays	L.		maize	Fara e Lush	20030108	ALB	Tropoje	4224--N	02010--E	600	1976----		300	40	ALB006	IMO0350	ALB006	13			
880	ALB	ALB017	AGB0879	KHP152	ALB006	Zea	mays	L.		maize	Pa emertim	20030108	ALB	Kolonje	4049--N	01937--E	700	1976----		300	40	ALB006	IMO0351	ALB006	13			
881	ALB	ALB017	AGB0880	KHP153	ALB006	Zea	mays	L.		maize	I mesem	20030108	ALB	Shkoder	4215--N	01946--E	250	1976----		300	40	ALB006	IMO0352	ALB006	13			
882	ALB	ALB017	AGB0881	KHP154	ALB006	Zea	mays	L.		maize	Gushtak Pes	20030108	ALB	Kukes	4211--N	02012--E	400	1976----		300	40	ALB006	IMO0353	ALB006	13			
883	ALB	ALB017	AGB0882	KHP155	ALB006	Zea	mays	L.		maize	Mesutek	20030108	ALB	Kukes	4211--N	02012--E	400	1976----		300	40	ALB006	IMO0354	ALB006	13			
884	ALB	ALB017	AGB0883	KHP156	ALB006	Zea	mays	L.		maize	Reç i verdhe	20030108	ALB	Shkoder	4215--N	01946--E	400	1976----		300	40	ALB006	IMO0355	ALB006	13			
885	ALB	ALB017	AGB0884	KHP157	ALB006	Zea	mays	L.		maize	Gushtak i ve	20030108	ALB	Shkoder	4215--N	01946--E	450	1976----		300	40	ALB006	IMO0356	ALB006	13			
886	ALB	ALB017	AGB0885	KHP158	ALB006	Zea	mays	L.		maize	Reç i vedhe	20030108	ALB	Tropoje	4224--N	02010--E	450	1976----		300	40	ALB006	IMO0357	ALB006	13			
887	ALB	ALB017	AGB0886	KHP159	ALB006	Zea	mays	L.		maize	Koleskati	20030108	ALB	Sarande	3952--N	02000--E	100	1976----		300	40	ALB006	IMO0358	ALB006	13			
888	ALB	ALB017	AGB0887	KHP160	ALB006	Zea	mays	L.		maize	Bokel kuqe v	20030108	ALB	Diber	4140--N	02027--E	450	1976----		300	40	ALB006	IMO0359	ALB006	13			
889	ALB	ALB017	AGB0888	KHP161	ALB006	Zea	mays	L.		maize	I mesem	20030108	ALB	Shkoder	4215--N	01946--E	200	1976----		300	40	ALB006	IMO0360	ALB006	13			
890	ALB	ALB017	AGB0889	KHP162	ALB006	Zea	mays	L.		maize	Fara e dyte	20030108	ALB	Peshkopi	4140--N	02027--E	450	1976----		300	40	ALB006	IMO0361	ALB006	13			
891	ALB	ALB017	AGB0890	KHP163	ALB006	Zea	mays	L.		maize	I verdhe i me	20030108	ALB	Tropoje	4224--N	02010--E	550	1976----		300	40	ALB006	IMO0362	ALB006	13			
892	ALB	ALB017	AGB0891	KHP164	ALB006	Zea	mays	L.		maize	Fara e kuqe	20030108	ALB	Tropoje	4224--N	02010--E	500	1976----		300	40	ALB006	IMO0363	ALB006	13			
893	ALB	ALB017	AGB0892	KHP165	ALB006	Zea	mays	L.		maize	16-18 rresh	20030108	ALB	Fier	4044--N	01936--E	100	1976----		300	40	ALB006	IMO0364	ALB006	13			
894	ALB	ALB017	AGB0893	KHP166	ALB006	Zea	mays	L.		maize	Fara e dyte	20030108	ALB	Diber	4140--N	02027--E	450	1976----		300	40	ALB006	IMO0365	ALB006	13			
895	ALB	ALB017	AGB0894	KHP167	ALB006	Zea	mays	L.		maize	Gielash	20030108	ALB	Shkoder	4215--N	01946--E	300	1976----		300	40	ALB006	IMO0366	ALB006	13			

Excel

Eurisco\_24\_Nov\_2010 Sheet1

Ready 100%

Microsoft Access Table Tools Datasheet

Home Create External Data Database Tools Datasheet

Calibri 11

View Paste Copy Format Painter

Font Rich Text

Refresh All Save Delete More

Records

Filter Selection Advanced Toggle Filter

Size to Fit Form Windows Switch Windows Find Go To Select

- Custom
- Custom Group 1
- Unassigned Objects
- COLLSRC
  - INSTITUTES
  - PASSPORT
  - Paste Errors
  - SAMPSTAT
  - STORAGE
  - 01 Append from species table
  - 02 Fill LINK field
  - 03 Convert COLLDATE
  - 04 Update passport with site ...
  - 05 Update passport with flor...
  - 06 Get rid of 2 commas in CO...
  - 07 Get rid of starting commas...
  - 08 Get rid of starting comma i...
  - 09 Get rid of ending commas ...
  - 10 Get rid of ending comma i...
  - 11 Set INSTCODE, NICODE
  - 13 Separate coordinates
  - Finalise coordinates

INSTCODE	ACRONYM	ECPACRONY	FULL_NAME	TYPE	PGR_ACTIVI	MAINTCOLL	STREET_POB	CITY_STATE	ZIP_CODE	PHONE
ALB017	HPGRC		Hokkaido Prefe	GOV	Y	Y	362 Minami Tai	Takikawa, Hok	073-0013	0125-23-3195
JPN179	NARCH		National Agricul	GOV	Y	Y	1 Hitsujigaoka,	Sapporo-shi, H	062-8555	(011)851-9141
MEX038	CINVESTAV		Centro de Inve	AUT	N	N	Apdo. postal 6	Irapuato, Gto.	36500	(462)51600

NICODE	INSTCODE	ACCENUMB	GENUS	SPECIES	SPAUTH	SUBTAXA	SUBTAUTHO	ACCENAME	CROPNAME	COLLNUM
PRT	PRT005		3 Lens	angulatus						1903
PRT	PRT005		4 Lens	angulatus						1925
PRT	PRT005		5 Lens	angulatus						1928

COLLSRC	Label
0	Unknown
10	Wild habitat
11	Wild habitat - Forest, woodland
12	Wild habitat - Shrubland
13	Wild habitat - Grassland
14	
15	
20	
21	
22	
23	
24	
25	
26	

STORAGE	Label
0	Unknown
10	Seed collector

Datasheet View

Navigation Pane

Windows Taskbar: Internet Explorer, File Explorer, CALD3, Microsoft Access

CENUS	COLLNUM	GENUS	SPECIES	ACCENUMB	SPAUTH	SUBTAXA	SUBTAUTHO	ACCENAME	ORIGI	ACCORDAT	COLLSTS	LATTITUD	LONGITUD	ELEVATI	COLLDA	BF	SAMF	ANI	COL	DONO	DOR	
ALB	ALB017	AGB0528	KHP001	ALB006	Zea	mays	L	maize	Miser Zhekovce	20040622	ALB	Permet	4013-N	02021-E	400	1976---	300	40	ALB006	IMO		
ALB	ALB017	AGB0530	KHP002	ALB006	Zea	mays	L	maize	Kurma	20040622	ALB	Mat	4135-N	01959-E	500	1976---	300	40	ALB006	IMO		
ALB	ALB017	AGB0531	KHP003	ALB006	Zea	mays	L	maize	Gushtrak I verdi	20040622	ALB	Sarande	3952-N	02000-E	400	1976---	300	40	ALB006	IMO		
ALB	ALB017	AGB0532	KHP004	ALB006	Zea	mays	L	maize	Sheqerat	20040622	ALB	Shkoder	4215-N	01946-E	100	1976---	300	40	ALB006	IMO		
ALB	ALB017	AGB0533	KHP005	ALB006	Zea	mays	L	maize	Selca e verdhe	19990318	ALB	Shkoder	4215-N	01946-E	400	1976---	300	40	ALB006	IMO		
ALB	ALB017	AGB0534	KHP006	ALB006	Zea	mays	L	maize	Janina	19990318	ALB	Vlore	4009-N	01948-E	400	1976---	300	40	ALB006	IMO		
ALB	ALB017	AGB0535	KHP007	ALB006	Zea	mays	L	maize	Tip Bullgar	19990318	ALB	Shkoder	4215-N	01946-E	100	1976---	300	40	ALB006	IMO		
ALB	ALB017	AGB0536	KHP008	ALB006	Zea	mays	L	maize	Tip Rreqoshine	19990318	ALB	Dunes	4110-N	01940-E	100	1976---	300	40	ALB006	IMO		
ALB	ALB017	AGB0537	KHP009	ALB006	Zea	mays	L	maize	I veridhe vendi	19990318	ALB	Shkoder	4215-N	01946-E	500	1976---	300	40	ALB006	IMO		
ALB	ALB017	AGB0538	KHP010	ALB006	Zea	mays	L	maize	Nivica	19990318	ALB	Vlore	4009-N	01948-E	400	1976---	300	40	ALB006	IMO		
ALB	ALB017	AGB0539	KHP011	ALB006	Zea	mays	L	maize	Miser i Veridhe	19990318	ALB	Permet	4013-N	02021-E	400	1976---	300	40	ALB006	IMO		
ALB	ALB017	AGB0540	KHP012	ALB006	Zea	mays	L	maize	Rubiku Nr.2	19990318	ALB	Mirdite	4146-N	01947-E	200	1976---	300	40	ALB006	IMO		
ALB	ALB017	AGB0541	KHP013	ALB006	Zea	mays	L	maize	Qesarat	19990318	ALB	Tepelene	4017-N	02000-E	500	1976---	300	40	ALB006	IMO		
ALB	ALB017	AGB0542	KHP014	ALB006	Zea	mays	L	maize	Filat	19990318	ALB	Korce	4035-N	02040-E	600	1976---	300	40	ALB006	IMO		
ALB	ALB017	AGB0543	KHP015	ALB006	Zea	mays	L	maize	Kolekati	19990318	ALB	Sarande	3952-N	02000-E	200	1976---	300	40	ALB006	IMO		
ALB	ALB017	AGB0544	KHP016	ALB006	Zea	mays	L	maize	Janina	19990318	ALB	Sarande	3952-N	02000-E	200	1976---	300	40	ALB006	IMO		
ALB	ALB017	AGB0545	KHP017	ALB006	Zea	mays	L	maize	P. Yzbershti	19990318	ALB	Sarande	3952-N	02000-E	100	1976---	300	40	ALB006	IMO		
ALB	ALB017	AGB0546	KHP018	ALB006	Zea	mays	L	maize	Zhambaku	19990318	ALB	Sarande	3952-N	02000-E	400	1976---	300	40	ALB006	IMO		
ALB	ALB017	AGB0547	KHP019	ALB006	Zea	mays	L	maize	Shigjien Kryqe	19990318	ALB	Kukes	4211-N	02012-E	450	1976---	300	40	ALB006	IMO		
ALB	ALB017	AGB0548	KHP020	ALB006	Zea	mays	L	maize	Fara e Bushit	19990318	ALB	Mat	4135-N	01959-E	350	1976---	300	40	ALB006	IMO		
ALB	ALB017	AGB0549	KHP021	ALB006	Zea	mays	L	maize	Gushtrak vendi	19990318	ALB	Puke	4202-N	01954-E	500	1976---	300	40	ALB006	IMO		
ALB	ALB017	AGB0550	KHP022	ALB006	Zea	mays	L	maize	Gushtrak vendi	19990318	ALB	Puke	4202-N	01954-E	600	1976---	300	40	ALB006	IMO		
ALB	ALB017	AGB0551	KHP023	ALB006	Zea	mays	L	maize	Fara e Sadrise	19990318	ALB	Tropoje	4224-N	02010-E	600	1976---	300	40	ALB006	IMO		
ALB	ALB017	AGB0552		Zea	mays	L	maize			19990318	ALB							ALB0	414	40	ALB006	IMO
ALB	ALB017	AGB0553		Zea	mays	L	maize			19990318	ALB							ALB0	414	40	ALB006	IMO
ALB	ALB017	AGB0554		Zea	mays	L	maize			19990318	ALB							ALB0	414	40	ALB006	IMO

# Quality of data

Different collecting missions used different data formats. Problems are:

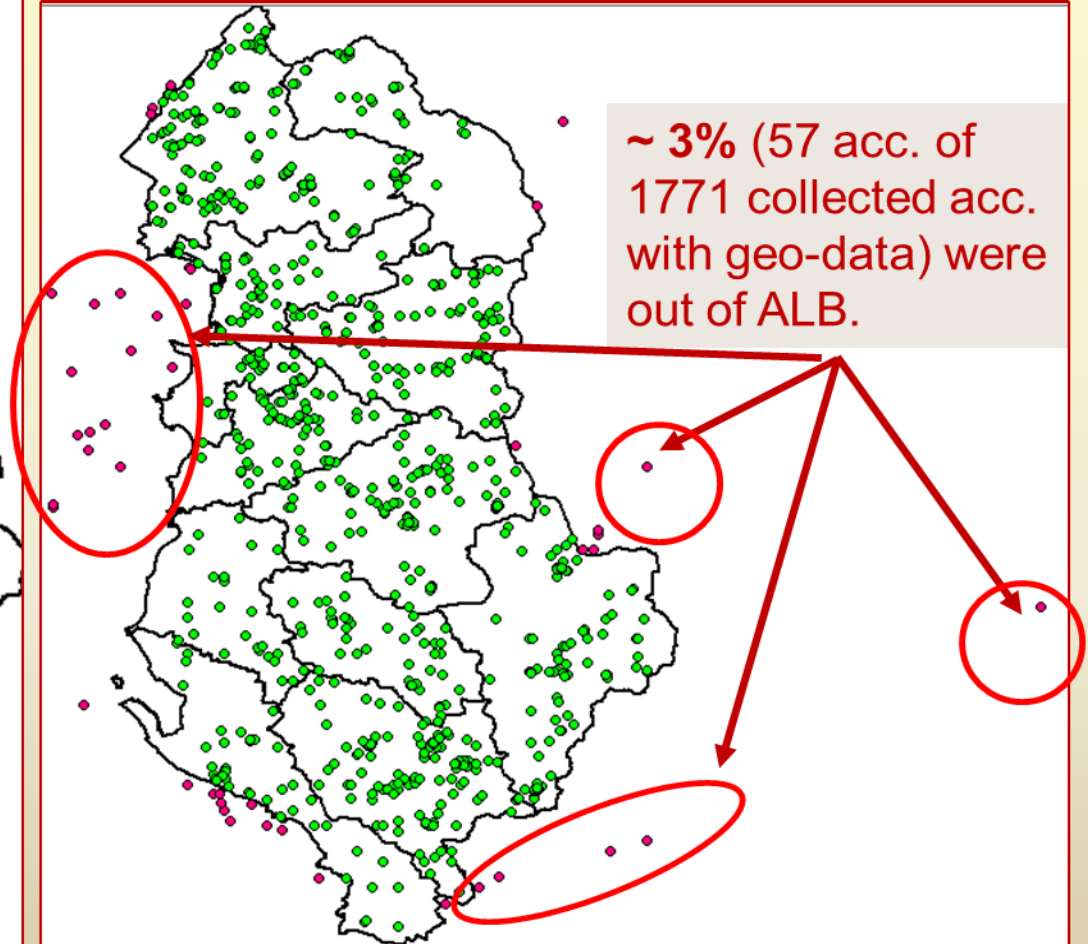
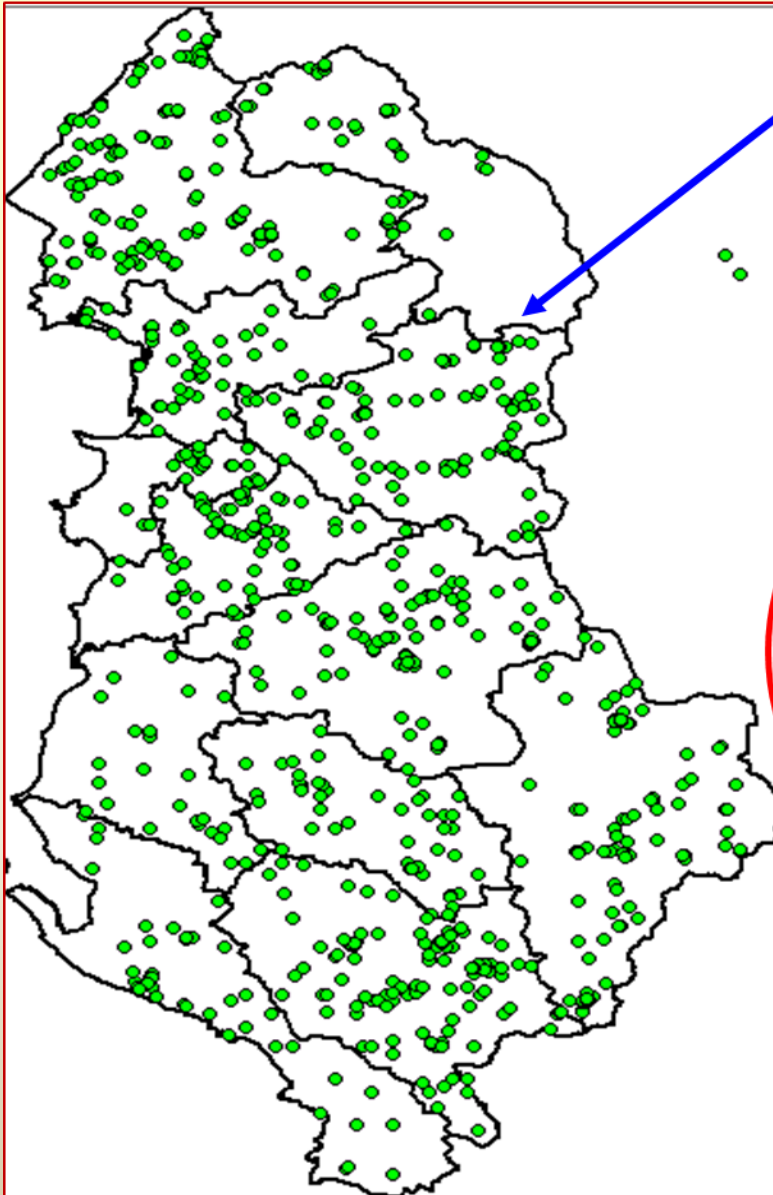
- **Scientific names** (ex *M. chamomilla coll. 2003-2005*: ~ 5-6 written forms).
- the right **English** word when more than one exist, and
- especially **geographical data** (= different formats).

LATITUDE	LONGITUDE
4056--N	4056--N
4056--N	4056--N
411813.30N	0211813.30E
412327.06N	0192327.06E
40°15'41.77"N	40°15'41.77"N
40°29'31.19"N	40°29'31.19"N
40.0900	20.0900
42.1500	19.1500



## Quality of data (CAPFITOGENE Tools)

More than 95 % of collected accessions with geo-data were situated within ALB.



# PGR documentation

## WEB based approaches

**CGR (Centre of Genetic Resources)**

<https://qendraeresursevegjenetike.wordpress.com>

**AUT (Agricultural University of Tirana)**

<http://www.ubt.edu.al>

**EURISCO**

<http://eurisco.ipk-gatersleben.de>;

**Genesys**

<http://www.genesys-pgr.org>

**SESTO**

<http://sesto.nordgen.org>

**WIEWS**

<http://www.pgrfa.org/WIEWS/>



# QENDRA E RESURSEVE GJENETIKE BIMORE

Një dritare e hapur për të ardhmen

Qendra e Resurseve Gjenetike

HOME

QENDRA RESURSEVE GJENETIKE BIMORE

RESURSET GJENETIKE BIMORE

PUBLIKIMET

MENAXHIMI

NEWS



KALENDAR

MAY 2015

M	T	W	T	F	S	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
« Feb						

AKTIVITETE TE PRITSHME

No upcoming events

## HOME

### Qendra e Resurseve Gjenetike

Me Vendimim të Këshillit të Ministrave, Nr.515, datë 19.07.2006 "Për ristrukturimin e Instituteve Kërkimore-Shkencore", Banka Gjenetike e krijuar në vitin 1993 (Ligji Nr.8732, datë 24.01.2001 "Për materialin mbjellës bimor"), kaloi në vartësi të Universitetit Bujqësor të Tiranës. Me Vendim Nr.5 datë 30.01.2008, Senati i Universitetit Bujqësor vendosi krijimin e Qendrës së Resurseve Gjenetike në nivel universiteti, duke e kaluar Bankën Gjenetike në

<https://qendraeresursevegjenetike.wordpress.com/resurset-gjenetike-bimore/gjermoplazma/> e Shkencore.

GJERMOPLAZMA

DRITHRAT

FORAGJERET

LIN

PERIMET

ECP

MEDICINALET & AROMATIKET

Mir

Adr

INDUSTRIALET

Mir

Oliv

PEMET FRUTURE

Uni

HARDHIA

Wo

SUBTROPIKALET

<https://qendraeresursevegjenetike.wordpress.com>



Thank you