



Annual Meeting 2010 of SAVE Foundation and the European SAVE Network 4th European Seminar on Agro-Biodiversity: „AgroBiodiversity – a crucial part of Biodiversity“



CURRENT GENETIC CONSERVATION PROGRAMS AND INITIATIVES IN KOSOVO





General Description



- ✓ *Gene Bank Kosova (GBK) has been established in the year 2008.*
- ✓ *Support by SEED-net project funded by SIDA – Sweden.*
- ✓ *This is a national institution which operates at the University of Prishtina – Faculty of Agriculture and Veterinary.*



Overview of planning process



The basic goal of research activities of GBK:

- ⇒ ***GBK is dealing the existing inventory, collecting and conservation of plant resources.***
- ⇒ ***GBK, is now fully operational and reasonably good equipped to perform plant conservation program tasks.***
- ⇒ ***Currently GBK, for its activity is using experimental plots Experimental - Didactic Farm (EDF) of the Faculty.***



Gene Bank of Kosova - Resources collected during 2009

Nr.	Specie/Type	Nr. collected accessions
1	<i>Allium CEPA, L.</i>	2
2	<i>Allium podrum, L.</i>	3
3	<i>Capsicum annum, L.</i>	6
4	<i>Lycopersicon esculentum, L.</i>	2
5	<i>Dactylis glomerata, L.</i>	10
6	<i>Medicago falcate, L.</i>	5
7	<i>Zea mays, L.</i>	25
8	<i>Avena sativa L.</i>	8
9	<i>Hordeum vulgar, L.</i>	3
10	<i>Solanum tuberosum, L.</i>	21
11	<i>Salvia offisinalis, L.</i>	1
Total		86



Members on National Committee of PGR of Kosova



<i>Nr.</i>	<i>Name&Surname</i>	<i>Role</i>	<i>Institution</i>
1	Shukri FETAHU	Chairman	Faculty of Agriculture
2	Imer Rusinovci	Deputy chairman	Faculty of Agriculture
3	Dukagjin ZEKA	Secretary	Ministry of Agriculture
4	Defrime BERISHA	Member	Kosovo Institute in Peja
5	Ismet BAJRAKTARI	Member	Faculty of Biology
6	Elez KRASNIQI	Member	Institute of Nature Protection



Responsible for working group's & contact details



Working groups	Name	Contact	Institution
Cereals and Maize	Shukri FETAHU	+381 (0) 38 540-700 +377 (0) 44 341-093 shfetahu@hotmail.com	Faculty of Agriculture
Fodder crops	Imer Rusinovci	+377 (0) 44 160-943 irusinovci@hotmail.com	Faculty of Agriculture
Vegetables	Dukagjin ZEKA	+377 (0) 44 129-301 dzeka@hotmail.com	Ministry of Agriculture
Fruit crops and viticulture	Anton SHALA	+381 (0) 38 540-700	Faculty of Agriculture
Industrial crops	Salih ALIU	+377 (0) 44 195-990 s_aliu@hotmail.com	Faculty of Agriculture
Medicinal and Aromatic Plants	Elez KRASNIQI	+377 (0) 44 209 -100 elez_krasniqi@hotmail.com	Institute of Nature Protection



Members of working groups



Working groups	Name	Institution
Cereals and Maize	Osman Zhitija	Faculty of Agriculture
	Imer Rusinovci	Faculty of Agriculture
	Salih Aliu	Faculty of Agriculture
	Bakir Kelmendi	Kosovo Institute in Peja
Medicinal and Aromatic Plants	Ismet Bajraktari	Faculty of Biology
	Behxhet Mustafa	Faculty of Biology
	Ferat Rexhepi	Faculty of Biology
	Fadil Millaku	Faculty of Biology
	Abdullah Aliu	Faculty of Biology
Vegetables	Dukagjin Zeka	Ministry of Agrculture
	Defrime Berisha	Kosovo Institute in Peja
	Osman Zhitija	Faculty of Agriculture
	Shyqeri Krasniqi	NGO „ Anadrini“
	Ismet Babaj	NGO “Intercooperation”
Fruit crops and grape vine	Shaban Hajdini	Kosovo Institute in Peja
	Agim Zajmi	Faculty of Agriculture
	Sylë Sylanaj	Faculty of Agriculture
	Bedri Dragusha	Faculty of Agriculture
	Nesim Morina	Ministry of Agrculture
Fodder crops	Shukri Fetahu	Faculty of Agriculture
	Bajram Avdiu	Faculty of Agriculture
	Dukagjin Zeka	Ministry of Agrculture
	Salih Aliu	Faculty of Agriculture
Industrial crops	Salih Aliu	Faculty of Agriculture
	Shukri Fetahu	Faculty of Agriculture
	Imer Rusinovci	Faculty of Agriculture



Stakeholders in National Committee of Plant Genetic Resources of Kosova

Plant Genetic Resources of Kosova (PGRK)

National Committee of PGR Kosova

(UP)
UNIVERSITY OF
PRISHTINA

(MAFRD)
MINISTRY OF
AGRICULTURE,
FORESTRY AND RURAL

(MESP)
MINISTRY OF
ENVIRONMENT

Faculty of Agriculture
And
Faculty of Biology

Kosova Agriculture Institute

Kosovo Institute for
Nature Protection



Establishment of the GBK



- To promote plant genetic resource (PGR) and conservation activities at the farm, GBK has organized several visits and discussions with farmers.
- Including different plant species and varieties only in 2009 there were collected and conserved about 86 accessions.
- Providing strategic and operational activity plan for different species.
- Characterization and assessment of accessions in the form of seed and in field, has started in autumn of 2009, with 83 accessions of different plants, for regeneration and their description according to IPGR descriptors.
- In spring 2010, GBK is working on 75 bean accessions for regeneration and field characterization.



GBK facilities





GBK facilities





Challenges for future



- Development of protocols and guidelines for genetic conservation programs in Kosovo.
- Application of standards is going to be future challenge.
- Further exploration of the plant genetic conservation resources
- Genetic conservation program to be expanded to livestock resources, as well.
- There is no any animal conservation programs in Kosovo.



Challenges for future



However,

There are individual initiatives with the aim to identify existing animal genetic resources within the country and increase awareness among stake holders.



BUFFALO POPULATION (*BUBALUS BUBALIS*) AND BREEDING CHARACTERISTICS IN KOSOVA



Project – Msc thesis

The basic objective of this study was to identify the buffalo population and focus on their breeding characteristics in Kosova.



Map: Buffalo population in *Kosova*





Buffalo population by categories in Kosova

Municipality	No. farms	Age of calves (month)				Heifers	Milking Buffalos	Breeding males
		0-6		7-12				
		M	F	M	F			
Vushtrri	5	2	3	3	1	8	13	5
Viti	7	1	2	2	1	2	12	1
Kaqaniku	2	1			1	1	5	2
Shtime	2		1		1	5	5	2
Malisheve	2				1	4	7	1
Lipjan	1			1		2	2	1
Gjilan	2			1	1	1	3	1
Prishtina	1		1	1		1	2	1
Ferizaj	2	1		2	1	4	10	2
Podujeve	1					1		
Shterpce	1					1	1	1
Drenas	1					1	1	
Prizren	1			1		2	3	1
Mitrovica	1					1	2	1
Kamenice	1						1	
Skenderaj	2			1		2	3	2
Gjakove	1	1	1			1	2	
Total	33	6	8	12	7	37	72	21



Trait characteristics for Buffalos in Kosova

Milk (kg)	800 - 1000
Fat (%)	7.0 - 8.1
Protein (k%)	4.1 – 4.6
Body weight Males/Females (kg)	650/550
Height males/females (kg)	139/136
Gestation length (d)	300-320
Coat color	Dark grey (rarely white spots)
Horns (Males/Females)	Horned
Head	Lean
Eyes	Black



H. Bytyqi & Sh. Fetahu, University of Prishtina - 3rd – 5th September, in Criewen, Berlin - Germany





THANK YOU FOR ATTENTION !