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REGIONE
LAZIO



AGROBIODIVERSITY IN ITALY

Italian acts:

n. 124/1994 (RIO implementation)

n. 101/2004 (ITPGRFA implementation)

in 2012 *Guidelines for conservation of genetic resources for food and agriculture*

n. 194/2015 (agrobiodiversity protection)

AGROBIODIVERSITY IN LAZIO

Regional Act n.15 (1st of March 2000)

"Protection of autochthonous genetic resources of agricultural interest"

ARSIAL Regional Agency for the Development and Innovation of Agriculture in Lazio

➤ Regional Voluntary Register (RVR)

➤ Conservation and Safety Network (Network)

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Regional Act entrust ARSIAL to protect Lazio's autochthonous genetic resources of agricultural interest at risk of genetic erosion

REGIONAL VOLUNTAR REGISTER

- n.199 landraces / historical varieties (plants)
- n. 27 local breeds / fish species (animals)

CONSERVATORY AND SAFETY NETWORK

- 1.568 farmers cultivate landraces protected
- 747 breeders raise locals breeds protected

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TREES SPECIES	N°	HERBACEOUS SPECIES	N°	ANIMALS SPECIES	N°
apriecot	2	garlic	2	honeybee	1
azarole	1	broccoli	3	donkey	5
chestnut	1	artichoke	2	cattle	1
cherry-sweet	14	chick pea	1	goat	4
apple	36	grass pea	1	horse	6
pomegranate	4	<i>cima di rapa</i>	3	rabbits	1
hazelnut	3	common bean	19	sheep	2
olive	13	Spain bean	2	chicken	1
pear	23	emmer	2	pig	3
peach	4	fennel	1	carp	1
plum	4	strawberry	1	shrimp	1
wine grapevine	42	lentil	3	trout	1
table grapevine	3	maize	1		
sour cherry	1	pepper	1		
		tomato	3		
		celery	1		
		red clover	1		
		zucchini	1		
13	151	18	48	12	27

Number of autochthonous genetic resources, plants and animals, listed at Regional Voluntary Register for each crop and animals specie

LAZIO AUTOCHTHONOUS FRUIT-TREE GERMPLASM



n. 93 of 11 species registered at RVR
n. 35 of 8 species being registered RVR
n. 128 accessions in characterization

*Autochthonous fruit-tree germplasm are in
National list for plant production (DIR 2008/90
implementation)*



LAZIO AUTOCHTHONOUS HERBACEOUS GERmplasm



n. 48 landraces are registered at RVR:

- 3 cereals
- 1 grass
- 44 horticultural

LAZIO AUTOCHTHONOUS ANIMAL GENETIC RESOURCES



n. 23 local breeds are registered at RVR



n.1 *Apis mellifera ligustica*



n. 3 fish species

CONSERVATION AND SAFETY NETWORK for *in situ* / on farm conservation

N° farmers cultivate varieties
or landraces protected

- Frosinone: 228
- Viterbo: 822
- Roma: 315
- Rieti: 145
- Latina: 58

N° breeders raise
livestock protected

- Roma: 259
- Rieti: 240
- Viterbo: 139
- Frosinone: 96
- Latina: 43

ARSIAL and Rural Seed Network proposed, in 2014, local actions to encourage collective approaches: exchanges of knowledge among peers as an agricultural training tool organizing meeting between farmers (growers landraces of the same crop).



Farmers (garlic landraces) meeting.

Lazio Rural Development Plan 2014 - 2020

Agro environmental Measure



Action 10.1.8 - in situ/on farm conservation landraces (farmers);

Action 10.1.9 - in situ, ex situ conservation local breeds (breeders).

Action 10.2.1 - agrobiodiversity protection (ARSIAL)

- census of autochthonous genetic resources of agricultural interest,
- morpho-physiological and genetic characterization,
- monitoring the degree of genetic erosion threat,
- impulse "on farm and *in situ* conservation",
- monitoring ex situ conservation,
- promotion resources' food products, threatened by genetic erosion,
- public free service for technician and scientific sustaining local farm communities.

Action 10.2.2 - ex situ conservation of agrobiodiversity (research institute).

Action 10.2.3 - on farm conservation and valorization of agrobiodiversity .

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