



# How is AnGR management and conservation included in the national legislation?



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## GLOBAL FRAMEWORK



## NATIONAL LEGISLATION

- Livestock Farming Act (2002)
- Rules on the conservation of livestock biodiversity (2004&2014)
- National program for AnGR conservation
  - National Focal Point for AnGR (2000)-> Biotechnical Faculty
  - National program for AnGR biodiversity conservation
    - AnGR: all farm animals used for food and agricultural production
    - Animals privately owned by farmers
    - Most attention native endangered breeds



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## Livestock Breeding Act (2002)

Livestock Breeding Act has its basis in Agricultural Law.

## Rules for the conservation of livestock biodiversity (2004&2014)

Rules on Conservation of farm animal genetic resources is one of the implementing regulations of the Livestock breeding act.

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## Livestock Breeding Act (2002)

The articles concerning management and conservation of local breeds:

- **Article 66: Conservation of genetic variability**

To ensure and maintain genetic reserves for all breeds.

- **Article 67: Biological diversity in livestock breeding**

Conservation of all breeds with special emphasis on the local breeds; in-situ and ex-situ conservation; gene bank establishment; international obligations; education and training; awareness raising.

- **Article 68: Local (native) breeds**

Breeds are protected (list of local breeds).

- **Article 69: Monitoring and analyzing of biological diversity in livestock breeding**

Monitoring of biological diversity in livestock

- **Article 70: Special protection of the local (native) breeds of Apis Mellifera Carnica**

Breeding and trade = breeding materials of other bee species is not allowed in the territory of the Republic of Slovenia.

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## Rules on conservation of farm animal genetic resources

Article 3 (**Significance** of farm AnGR)

Article 4 (**Monitoring**/Register of breeds)

Article 5 (**Endangerment** status- number of purebred females)

Article 7 (**Programme** for conservation of farm AnGR)

Article 8 (**Continuous breeding measures** for conservation of farm animals biodiversity)

Article 9 (**Information system** and farm animals biodiversity)

Article 10 (**Cooperation in international farm AnGR databases**)

Article 11 (**Education**)

Article 12 (**Public awareness** and early warning system)

Article 13 (**International cooperation+EU+ERFP+other networks**)

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## Rules on conservation of farm animal genetic resources

- Article 15 (Criteria for the estimation of **genetic variability** within breeds)
- Article 16 (**Monitoring and assessment of genetic variability** for individual breeds)
- Article 17 (**Monitoring and assessment of inbreeding and degree** of relationship for individual breeds)
- Article 18 (**Verification of pedigree** - biochemical and molecular- biological methods)
- Article 19 (**Calculation and determination of genetic reserves** by types of genetic material)
- Article 20 (**Ensuring and maintenance of genetic reserves** by species, breeds and lines of farm animals)
- Article 21 (Programme)
- Article 22 (Reconstruction of a breed or line)
- Article 23 (Breeding programmes for small populations)

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## Rules on conservation of farm animal genetic resources

- Article 16 (**Monitoring/assessment of genetic variability** for individual breeds)
- Article 17 (**Monitoring/assessment of inbreeding/relationship**)
- Article 18 (**Verification of pedigree**)
- Article 19 (**Calculation/determination of genetic reserves**)
- Article 20 (**Ensuring/maintenance of genetic reserves**)
- Article 21 (Programme)
- Article 22 (**Reconstruction of a breed or line**)
- Article 23 (**Breeding programmes for small populations**)

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## Rules on conservation of farm animal genetic resources

### RECOGNITION OF NEW BREEDS AND LINES OF FARM ANIMALS:

Article 24 (Requirements for **recognition**)

Article 25 (**Verification** of new breeds/lines)

Article 26 (**Characterisation** of new breeds/lines)

Article 27 (**Genetic characterisation** of new breeds/lines)

Article 28 (**Measurement/assessment** of **production** and other **traits**)

Article 29 (**Recognition** of new breeds/lines)

Article 30 (**Breeding programme** for new breeds/lines)

### RECOGNITION OF **NEW LOCAL BREEDS** AND **NEW TRADITIONAL BREEDS**

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## Rules on conservation of farm animal genetic resources

### RECOGNITION OF NEW BREEDS AND LINES OF FARM ANIMALS:

Article 31 (***In situ*** conservation)

Article 32 (***Ex situ*** conservation)

Article 33 (Conditions for breeding of AnGR)

Article 34 (Procedure for **recognition of new local breeds**)

Article 35 (**Recognition of breeding programme** for new local breeds)

Article 36 (Conditions for sale = for local breeds)

Article 37 (**Monitoring of local** breeds of farm animals)

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## Rules on conservation of farm animal genetic resources

### GENE BANK OF FARM ANIMAL GENETIC RESOURCES:

#### Article 40 (**Gene bank *in situ* conservation**)

The gene bank (*in situ* conservation) shall contain at least the minimum number of females as specified in the class "endangered"

#### Article 41 (**Gene bank *ex situ* gene bank**)

breeds classified as critical or endangered

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## Rules on conservation of farm animal genetic resources

### II. BIODIVERSITY OF FARM ANIMAL GENETIC RESOURCES

#### Article 9

(Information system and farm animals biodiversity)

#### Article 10

(Cooperation in international farm animal genetic resources databases)

#### Article 11

(Education and training in the field of conservation of farm animal genetic resources)

#### Article 12

(Raising public awareness and early warning on the state and significance of conservation of farm animal genetic resources)

#### Article 13

(International cooperation in the field of farm animal genetic resources)

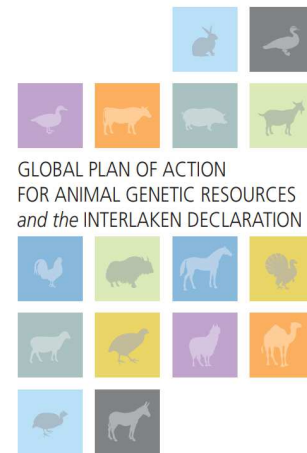
#### Article 14

(Cooperation with the European Union member states in the field of farm animal genetic resources)

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## National Program

- follows the FAO Global Plan of Action
- four strategic priority areas :
  - characterization
  - utilization
  - conservation
  - capacity building
- resulting in:
  - increased populations of native breeds
  - farmer participation in *in situ* conservation programs
  - improved *ex situ* conservation activities



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## Future

**The legislation will be changed,  
But depends from the political view.**

**We started so many time, but then new Minister  
came in and everything stops again.**



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