



Food and Agriculture Organization
of the United Nations

Country report

PROGRESS REPORT ON THE IMPLEMENTATION OF THE GLOBAL PLAN OF ACTION FOR ANIMAL
GENETIC RESOURCES – 2014 TO 2019

Country *

Republic of Macedonia

Note: Please provide further details in the text boxes below each question, including, if relevant, information on why no action has been taken.

GPA Survey

Submission Date

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Country

Republic of Macedonia

1. Which of the following options best describes your country's progress in building an inventory of its animal genetic resources covering all livestock species of economic importance (SP 1, Action 1)?

b. Completed after the adoption of the GPA

2. Which of the following options best describes your country's progress in implementing phenotypic characterization studies covering morphology, performance, location, production environments and specific features in all livestock species of economic importance (SP 1, Actions 1 and 2)?

c. Some information has been generated (further progress since the adoption of the GPA)

3. Which of the following options best describes your country's progress in molecular characterization of its animal genetic resources covering all livestock species of economic importance (SP 1)?

c. Some information has been generated (further progress since the adoption of the GPA)

4. Has your country conducted a baseline survey of the population status of its animal genetic resources for all livestock species of economic importance (SP 1, Action 1)?

d. Yes, a baseline survey has been undertaken for some species (coverage not increased since the adoption of the GPA)

5. Have institutional responsibilities for monitoring the status of animal genetic resources in your country been established (SP 1, Action 3)?

b. Yes, responsibilities established after the adoption of the GPA

6. Have protocols (details of schedules, objectives and methods) been established for a programme to monitor the status of animal genetic resources in your country (SP 2)?

b. Yes, protocols established after the adoption of the GPA

7. Are the population status and trends of your country's animal genetic resources being monitored regularly for all livestock species of economic importance (SP 1, Action 2)?

c. Yes, regular monitoring is being undertaken for some species (coverage increased since the adoption of the GPA)

8. Which criteria does your country use for assessing the risk status of its animal genetic resources (SP 1, Action 7)?

a. FAO criteria

9. Has your country established an operational emergency response system (<http://www.fao.org/docrep/meeting/021/K3812e.pdf>) that provides for immediate action to safeguard breeds at risk in all important livestock species (SP 1, Action 7)?

f. No, but action is planned and funding is sought

10. Is your country conducting research to develop methods, technical standards or protocols for phenotypic or molecular characterization, or breed evaluation, valuation or comparison? (SP 2, Action 2)

d. No, but action is planned and funding is sought

11. Has your country identified the major barriers and obstacles to enhancing its inventory, characterization and monitoring programmes?

c. No major barriers and obstacles exist. Comprehensive inventory, characterization and monitoring programmes are in place.

14. Does your country have adequate national policies in place to promote the sustainable use of animal genetic resources (see also questions 46 and 54)?

b. Yes, policies put in place or updated after the adoption of the GPA

15. Do these policies address the integration of agro-ecosystem approaches into the management of animal genetic resources in your country (SP5) (see also questions 46 and 54)?

c. No, but action is planned and funding is sought

16. Do breeding programmes exist in your country for all major species and breeds, and are these programmes regularly reviewed, and if necessary revised, with the aim of meeting foreseeable economic and social needs and market demands (SP4, Action 2)?

c. For some species and breeds (coverage has increased since the adoption of the GPA)

17. Is long-term sustainable use planning – including, if appropriate, strategic breeding programmes – in place for all major livestock species and breeds (SP4, Action 1)?

c. For some species and breeds (further progress made since the adoption of the GPA)

18. Have the major barriers and obstacles to enhancing the sustainable use and development of animal genetic resources in your country been identified?

a. Yes

20. Have recording systems and organizational structures for breeding programmes been established or strengthened (SP4, Action 3)?

d. Yes, recording systems and organizational structures for breeding programmes are partially in place (but no progress has been made since the adoption of the GPA)

21. Are mechanisms in place in your country to facilitate interactions among stakeholders, scientific disciplines and sectors as part of sustainable use development planning (SP5, Action 3)?

f. No, but action is planned and funding is sought

22. Have measures been implemented in your country to provide farmers and livestock keepers with information that facilitates their access to animal genetic resources (SP 4, Action 7)?

f. No, but action is planned and funding is sought

23. Has your country developed a national policy or entered specific contractual agreements for access to and the equitable sharing of benefits resulting from the use and development of animal genetic resources and associated traditional knowledge (SP3, Action 2)?

f. No, but action is planned and funding is sought

24. Have training and technical support programmes for the breeding activities of livestock-keepers been established or strengthened in your country (SP 4, Action 1)?

d. Yes, some programmes exist (but no progress has been made since the adoption of the GPA)

25. Have priorities for future technical training and support programmes to enhance the use and development of animal genetic resources in your country been identified (SP 4, paragraph 42)?

d. No, but action is planned and funding is sought

26. Have efforts been made in your country to assess and support indigenous or local production systems and associated traditional knowledge and practices related to animal genetic resources (SP 6, Action 1, 2)?

d. Yes, some measures are in place (but no progress has been made since the adoption of the GPA)

27. Have efforts been made in your country to promote products derived from indigenous and local species and locally adapted breeds, and facilitate access to markets (SP 6, Action 2, 4)?

d. Yes, some measures are in place (but no progress has been made since the adoption of the GPA)

30. Does your country regularly assess factors leading to the erosion of its animal genetic resources (SP 7, Action 2)?

e. No, but action is planned and funding is sought

32. Does your country have conservation policies and programmes in place to protect locally adapted breeds at risk in all important livestock species (SP 7, SP 8 and SP 9)?

d. For some species and breeds (coverage expanded since the adoption of the GPA)

33. If conservation policies and programmes are in place, are they regularly evaluated or reviewed (SP 7, Action 1; SP 8, Action 1; and SP 9, Action 1)?

a. Yes

34. Does your country have in situ conservation measures in place for locally adapted breeds at risk of extinction and to prevent breeds from becoming at risk (SP 8 and SP 9)?

c. For some breeds (coverage expanded since the adoption of the GPA)

35. Does your country have ex situ in vivo conservation measures in place for locally adapted breeds at risk of extinction and to prevent breeds from becoming at risk (SP 8 and SP 9)?

d. For some breeds (coverage not expanded since the adoption of the GPA)

36. Does your country have ex situ in vitro conservation measures in place for locally adapted breeds at risk of extinction and to prevent breeds from becoming at risk (SP 8 and SP 9)?

f. No, but action is planned and funding is sought

38. If your country has not established any conservation programmes, is this a future priority?

a. Yes

39. Has your country identified the major barriers and obstacles to enhancing the conservation of its animal genetic resources?

c. No

40. If your country has existing ex situ collections of animal genetic resources, are there major gaps in these collections (SP 9, Action 5)?

a. Yes

If yes, have priorities for filling the gaps been established?

c. No, but action is planned and funding is sought

41. Are arrangements in place in your country to protect breeds and populations that are at risk from natural or human-induced disasters (SPA 3)?

d. No, but action is planned and funding is sought

42. Are arrangements in place in your country for extraction and use of conserved genetic material following loss of animal genetic resources (e.g. through disasters), including arrangements to enable restocking (SP 9, Action 3)?

d. No, but action is planned and funding is sought

43. Is your country conducting research to adapt existing, or develop new, methods and technologies for in situ and ex situ conservation of animal genetic resources (SP 11, Action 1)?

e. No

44. Does your country implement programmes to promote documentation and dissemination of knowledge, technologies and best practices for conservation (SP 11, Action 2)?

d. No, but action is planned and funding is sought

47. Does your country have sufficient institutional capacity to support holistic planning of the livestock sector (SP 12, Action1)?

c. No, but action is planned and funding identified

48. What is the current status of your country's national strategy and action plan for animal genetic resources (SP 20)?

f. Future priority activity

49. Are animal genetic resources addressed in your country's National Biodiversity Strategy and Action Plan (<https://www.cbd.int/nbsap/>)

a. Yes

50. Are animal genetic resources addressed in your country's national livestock sector strategy, plan or policy (or equivalent instrument)?

b. No, but they will be addressed in a forthcoming strategy, plan or policy

51. Has your country established or strengthened a national database for animal genetic resources (independent from DAD-IS) (SP 15, Action 4)?

f. No, but action is planned and funding is sought

52. Have your country's national data on animal genetic resources been regularly updated in DAD-IS?

c. No, but it is a future priority

53. Has your country established a National Advisory Committee for Animal Genetic Resources (SP 12, Action 3)?

d. No, but action is planned and funding is sought

54. Is there strong coordination and interaction between the National Focal Point and stakeholders involved with animal genetic resources, such as the breeding industry, livestock keepers, government agencies, research institutes and civil society organizations (SP 12, Action 3)?

e. No

55. Does the National Focal Point (or other institutions) undertake activities to increase public awareness of the roles and values of animal genetic resources (SP 18)?

d. No, but action is planned and funding is sought

<p>56. Does your country have national policies and legal frameworks for animal genetic resources management (SP 20)?</p>	<p>b. Yes, comprehensive and up-to-date national policies and legal frameworks in place because of progress made since adoption of the GPA)</p>
<p>57. Which of the following options best describes the state of training and technology transfer programmes in your country related to inventory, characterization, monitoring, sustainable use, development and conservation of animal genetic resources (SP14, Action 1)?</p>	<p>d. Some programmes exist (no further progress since the adoption of the GPA)</p>
<p>58. Have organizations (including where relevant community-based organizations), networks and initiatives for sustainable use, breeding and conservation been established or strengthened (SP 14, Action 3)?</p>	<p>f. No, but action is planned and funding is sought</p>
<p>59. Are there any national NGOs active in your country in the fields of: Characterization?</p>	<p>a. Yes</p>
<p>Sustainable use and development?</p>	<p>a. Yes</p>
<p>Conservation of breeds at risk?</p>	<p>a. Yes</p>
<p>60. Has your country established or strengthened research or educational institutions in the field of animal genetic resources management (SP 13, Action 3)?</p>	<p>d. Yes, research and education institutions exist but still require strengthening (no progress made since the adoption of the GPA)</p>
<p>62. Has your country established or strengthened international collaboration in (SP 16): Characterization?</p>	<p>c. No, but action is planned and funding is sought</p>
<p>Sustainable use and development?</p>	<p>c. No, but action is planned and funding is sought</p>

Conservation of breeds at risk?

c. No, but action is planned and funding is sought

**63. Are there any international NGOs active in your country in the fields of:
Characterization?**

b. No

Sustainable use and development?

b. No

Conservation of breeds at risk?

b. No

64. Has national funding for animal genetic resources programmes increased since the adoption of the GPA?

b. No

65. Has your country received external funding for implementation of the GPA?

b. No

66. Has your country supported or participated in international research and education programmes assisting developing countries and countries with economies in transition to better manage animal genetic resources (SP 15 and 16)?

f. No

67. Has your country supported or participated in programmes aimed at assisting developing countries and countries with economies in transition to obtain training and technologies and to build their information systems (SP 15 and 16)?

f. No

68. Has your country provided funding to other countries for implementation of the Global Plan of Action?

e. No, because country is generally not a donor country

69. Has your country contributed to international cooperative inventory, characterization and monitoring activities involving countries sharing transboundary breeds and similar production systems (SP 1, Action 5)?

c. No, but action is planned and funding is sought

70. Has your country contributed to establishing or strengthening global or regional information systems or networks related to inventory, monitoring and characterization of animal genetic resources (SP 1, Action 6)?

d. No

71. Has your country contributed to the development of international technical standards and protocols for characterization, inventory and monitoring of animal genetic resources (SP2)?

d. No

72. Has your country contributed to the development and implementation of regional in situ conservation programmes for breeds that are at risk (SP 8, Action 2; SP 10, Action 1)?

d. No

73. Has your country contributed to the development and implementation of regional ex situ conservation programmes for breeds that are at risk (SP 9, Action 2; SP 10, Action 3; SP 10, Action 4)?

d. No

74. Has your country contributed to the establishment of fair and equitable arrangements for the storage, access and use of genetic material stored in supra-national ex situ gene banks (SP9, Action 3)?

d. No

75. Has your country participated in regional or international campaigns to raise awareness of the status of animal genetic resources (SP19)?

d. No

76. Has your country participated in reviewing or developing international policies and regulatory frameworks relevant to animal genetic resources (SP 21)?

d. No

19. Have the long-term impacts of the use of exotic breeds on locally adapted breeds (e.g. economic, environmental or genetic impacts) and on food security been assessed in your country (SP4, Action 1)?

c. Yes, assessment made after GPA adoption