



Food and Agriculture  
Organization of the  
United Nations



**The International Treaty**

ON PLANT GENETIC RESOURCES  
FOR FOOD AND AGRICULTURE

**Second Reporting Cycle**  
**Report on the implementation of the International**  
**Treaty on Plant Genetic Resources for Food and**  
**Agriculture (ITPGRFA)**

**ESTONIA**

**(06 May 2021)**



## **ONLINE REPORTING SYSTEM**

# **Second Report on Compliance of ITPGRFA**

### **Online Reporting System on Compliance of the International Treaty on Plant Genetic Resources for Food and Agriculture**

Pursuant to Article 21 of the Treaty, the Governing Body approved, at its Fourth Session, the Compliance Procedures that include, among others, provisions on monitoring and reporting: Resolution 2/2011.

According to the Compliance Procedures, each Contracting Party is to submit to the Compliance Committee, through the Secretary, a report on the measures it has taken to implement its obligations under the Treaty. This Online Reporting System facilitates the submission of such information in electronic format.

Should you need any additional information regarding the reporting on compliance or the use of the online system, please visit the Treaty's Website or contact the Secretariat at [PGRFA-Treaty@fao.org](mailto:PGRFA-Treaty@fao.org).

## **Additional Reporting Information**

Name and contact of the reporting officer

>>> Külliki Holtsmann

Institution(s) of affiliation

>>> Ministry of Rural Affairs of the Republic of Estonia

## Article 4: General Obligations

1. Are there any laws, regulations procedures or policies in place in your country that implement the Treaty?

*Please select only one option*

- Yes  
 No

1A. If your answer is 'yes', please provide details of such laws, regulations, procedures or policies:  
>>> National Programme "Collection, conservation, and utilization of plant genetic resources for food and agriculture" (since 08/2002).

2. Are there any other laws, regulations, procedures or policies in place in your country that apply to plant genetic resources?

*Please select only one option*

- Yes  
 No

2A. If your answer is 'yes', please provide details of such laws, regulations, procedures or policies:  
>>> National programme „Collection, conservation and utilizatin of plant genetic resources for food and agriculture“

Agriculture and Fisheries Development Plan 2030

Estonian Rural Development Plan 2014-2020 (CAP) and Common Agricultural Policy 2021-2027

Estonian Environmental Strategy 2030

Nature Conservation Development Plan 2020

Plant Propagation and Plant Variety Rights Act

Climate Change Adaptation Development Plan until 2030

3. Is there any law, regulation, procedure or policy in place in your country that needs to be adjusted / harmonized to ensure conformity with the obligations as provided in the Treaty?

*Please select only one option*

- Yes  
 No

3A. If your answer is 'yes', please provide details of such adjustments and any plans to make those adjustments:

>>>

## Article 5: Conservation, Exploration, Collection, Characterisation, Evaluation and Documentation of Plant Genetic Resources for Food and Agriculture

4. Has an integrated approach to the exploration, conservation and sustainable use of plant genetic resources for food and agriculture (PGRFA) been promoted in your country?

*Please select only one option*

Yes

No

5. Have PGRFA been surveyed and inventoried in your country?

*Please select only one option*

Yes

No

5A. If your answer is 'yes', please provide details of your findings, specifying species, sub-species and /or varieties, including those that are of potential use.

>>> Material for long-term collections was collected from:

1) breeders collections of all agricultural crops bred in Estonia.

2) repatriated material of Estonian origin from other genebanks (mainly from Vavilov Institute).

Continued survey in home gardens (Allium, Vicia faba, Phaseolus vulgaris, Pisum sativum, Malus, Rhubarb, Solanum tuberosum) and natural habitats.

Inventory and collecting missions to natural habitats of forage grasses and legumes.

5B. If your answer is 'no', please indicate:

Any difficulties encountered in surveying or inventorying PGRFA;

Any action plans to survey and inventory PGRFA;

The most important PGRFA that should be surveyed and inventoried

>>>

6. Has any threat to PGRFA in your country been identified?

*Please select only one option*

Yes

No

6A. If your answer is 'yes', please indicate:

The species, subspecies and/or varieties subject to such threats;

The sources (causes) of these threats;

Any steps taken to minimise or eliminate these threats;

Any difficulties encountered in implementing such steps;

>>> Threatened natural habitats of CWR due to changed landscape management regimes.

Field management systems have changed.

No complete recognition of landraces in home gardens.

Owners are getting older and possibility of loss of information could occur.

A more complex approach by all relevant state institutions and organizations has to be undertaken to identify possible threats.

7. Has the collection of PGRFA and relevant associated information on those plant genetic resources that are under threat or are of potential use been promoted in your country?

*Please select only one option*

Yes

No

7A. If your answer is 'yes', please provide details of the measures taken:

>>> Cultivation of local varieties is supported by the Rural Development Plan (CAP).

Information on preserved genetic resources and calls for missing species have been circulated on TV, radio, printed publications and internet homepage.

NGOs are involved into on-farm conservation and promotional activities.

8. Have farmers and local communities' efforts to manage and conserve PGRFA on-farm been promoted or

supported in your country?

*Please select only one option*

- Yes  
 No

8A. If your answer is 'yes', please provide details of the measures taken:

>>> Cultivation of local plant varieties and conservation varieties (EU directives) is supported by the Estonian Rural Development Plan.

Farmers have been invited to participate on the meetings of responsible organizations.

Public awareness has been raised by writing publications, information in media, presentations on public events and meetings.

9. Has in situ conservation of wild crop relatives and wild plants for food production been promoted in your country?

*Please select only one option*

- Yes  
 No

9A. If your answer is 'yes', please indicate whether any measures have been taken to:

- Promote in situ conservation in protected areas  
 Support the efforts of indigenous and local communities

9B. If such measures have been taken, please provide details of the measures taken:

>>> Activities related to in situ conservation have been started in recent years: checklist and priority list (88 species) of CWR have been created and dedicated measures are foreseen in the new phase of the national PGR programme.

10. Are there any ex situ collections of PGRFA in your country?

*Please select only one option*

- Yes  
 No

10 A. If your answer is 'yes', please provide information on the holder and content of such collections:

>>> Genebank of the Estonian Crop Research Institute - seed collection of cereals, forage grasses, legumes, oilseed crops and vegetable seeds; in vitro collection of potatoes and horticultural crops.

Polli Horticultural Research Centre of the Agricultural and Environmental Institute of the Estonian University of Life Sciences - field collection of fruits and berries.

Botanical Garden of the University of Tartu - field collection of medicinal and aromatic plants, ornamentals.

11. Has the development of an efficient and sustainable system of ex situ conservation of PGRFA been promoted in your country?

*Please select only one option*

- Yes  
 No

11A. If your answer is 'yes', please indicate the measures taken to promote ex situ conservation, in particular any measures to promote the development and transfer of technologies for this purpose:

>>> National programme „Collection, conservation and utilization of plant genetic resources for food and agriculture“ has set up a goal to promote the activities on the use of ex situ genetic resources.

12. Has the maintenance of the viability, degree of variation, and the genetic integrity of ex situ collections of PGRFA been monitoring in your country?

*Please select only one option*

- Yes  
 No

12A. If your answer is 'yes', please provide details of the main conclusions of these monitoring activities

>>> Maintenance of viability is monitored regularly.

For some species, e.g. potato degree of variation has been monitored.

13. Has your country cooperated with other Contracting Parties, through bilateral or regional channels, in the conservation, exploration, collection, characterization, evaluation or documentation of PGRFA?

*Please select only one option*

- Yes  
 No

13A. If your answer is 'yes', please indicate the other Contracting Parties with whom the cooperation was undertaken (where additional to cooperation through the Governing Body or Treaty mechanisms) and, where possible, details of any relevant projects:

>>> Within Nordic-Baltic Network (mainly via Nordic Genetic Resource Center NordGen) with Latvia, Lithuania, Finland, Sweden Norway, Denmark and Iceland.

Active participation in the European Cooperative Programme for Plant Genetic Resources ECPGR (incl EURISCO, AEGIS and evaluation project EVA).

Nordic countries Public-Private Partnership Projects on Lolium sp.

## Article 6: Sustainable Use of Plant Genetic Resources for Food and Agriculture

14. Are there any policy and legal measures in place in your country that promote the sustainable use of PGRFA

*Please select only one option*

- Yes  
 No

14A. If your answer is 'yes', please indicate whether such policy and legal measures include:

- Pursuing fair agricultural policies that promote the development and maintenance of diverse farming systems that enhance the sustainable use of agricultural biological diversity and other natural resources;
- Strengthening research that enhances and conserves biological diversity by maximizing intra- and inter-specific variation for the benefit of farmers;
- Promoting plant breeding efforts, with the participation of farmers, that strengthen the capacity to develop varieties particularly adapted to social, economic and ecological conditions, including in marginal areas;
- Broadening the genetic base of crops and increasing the range of genetic diversity available to farmers
- Promoting the expanded use of local and locally adapted crops, varieties and underutilised species
- Supporting the wider use of diversity of varieties and species in on-farm management, conservation and sustainable use of crops and creating strong links to plant breeding and agricultural development
- Reviewing and adjusting breeding strategies and regulations concerning variety release and seed distribution

14B. If such policy and legal measures are in place, please provide details of the measures taken and any difficulties encountered in implementing them:

>>> National programme „Collection, conservation and utilization of plant genetic resources for food and agriculture“ since 2002.

Plant Breeding Programme 2009-2019 and 2020-2030.

Strengthening pre-breeding activities by initiation of PPP projects.

Estonian Rural Development Plan 2014-2020, CAP 2021-2027.

Plant Propagation and Plant Variety Rights Act



## Article 7: National Commitments and international Cooperation

15. Has the conservation, exploration, collection, characterization, evaluation, documentation and sustainable use of PGRFA been integrated into your country's programmes and policies?

*Please select only one option*

- Yes  
 No

15A. If your answer is 'yes', please provide details of the integration of such activities:

- Conservation  
 Exploration  
 Collection  
 Characterization  
 Evaluation  
 Documentation  
 Sustainable Use

Please indicate into which type of programmes and policies:

- Agriculture and rural development  
 Food security  
 Biodiversity conservation  
 Climate change  
 Other

Additional details:

>>> National programme „Collection, conservation and utilization of plant genetic resources for food and agriculture“.

Estonian Rural Development Plan (CAP).

Plant Breeding Programme 2009-2019 and 2020-2030.

16. Has your country cooperated with other Contracting Parties, through bilateral or regional channels, in the conservation and sustainable use of PGRFA?

*Please select only one option*

- Yes  
 No

16A. If your answer is 'yes', please indicate whether the aim of such cooperation is to:

- Strengthen the capability of developing countries and countries with economies in transition with respect to conservation and sustainable use of PGRFA  
 Enhance international activities to promote conservation, evaluation, documentation, genetic enhancement, plant breeding, seed multiplication, and sharing, providing access to and exchanging PGRFA and appropriate information and technology, in conformity with the Multilateral System of Access and Benefit-Sharing under the Treaty

16B. If, in addition to cooperation through the Governing Body or other Treaty mechanisms, your country has cooperated with other Contracting Parties directly or through FAO and other relevant international organizations, please indicate such other Contracting Parties and, where possible, details of any relevant projects:

>>> Within Nordic-Baltic Network with Latvia, Lithuania, Finland, Sweden Norway, Denmark and Iceland.

Active collaboration with member countries within European Cooperative Programme for Plant Genetic Resources ECPGR (incl. EURISCO, AEGIS and evaluation project EVA). Estonia participates in 14 crop working groups and 3 thematic working groups.

Nordic Countries Public-Private Partnership Projects on Lolium.

## Article 8: Technical Assistance

17. Has your country promoted the provision of technical assistance to developing countries and countries with economies in transition, with the objective of facilitating the implementation of the Treaty?

*Please select only one option*

- Yes
- No
- Not applicable

17A. If your answer is 'yes', please provide details of the measures taken

- Exchange of information
- Access to and transfer of technology
- Capacity building

Please explain:

>>>

18. Has your country received technical assistance with the objective of facilitating the implementation of the Treaty?

*Please select only one option*

- Yes
- No
- Not applicable

18 A. If your answer is 'yes', please provide details of such technical assistance:

- Exchange of information
- Access to and transfer of technology
- Capacity building

Please explain:

>>> Participation in workshops, courses, meetings.  
Staff has been involved into HRM projects.

## Article 9: Farmers' Rights

19. Subject to national law, as appropriate, have any measures been taken to protect and promote farmers' rights in your country?

*Please select only one option*

- Yes
- No

19 A. If your answer is 'yes', please indicate whether such measures were related to:

- Recognition of the enormous contribution that local and indigenous communities and farmers of all regions of the world have made and will continue to make for the conservation and development of plant genetic resources;
- The protection of traditional knowledge relevant to PGRFA
- The right to equitably participate in sharing benefit arising from the utilisation of PGRFA
- The right to participate in making decisions, at the national level, on matters related to the conservation and sustainable use of PGRFA
- Any rights that farmers have to save, use, exchange, and sell farm-saved seed/propagating material

19B. If such measures were taken, please provide details of the measures taken and any difficulties encountered in implementing them:

>>> Plant Propagation and Plant Variety Rights Act.

Difficulties: Small seed exchange has not been defined by legal acts.

## Article 11: Coverage of the Multilateral System

20. Has your country notified all PGRFA listed in Annex I to the Treaty that are under the management and control of your Government and in the public domain as included in the Multilateral System of Access and Benefit-Sharing (MLS)?

*Please select only one option*

- All
- Partially
- None

20A. If your answer is 'all', please provide details of any difficulties encountered in including Annex 1 PGRFA in the MLS:

>>> No difficulties have been encountered.

20B. If your answer is 'partially', please provide details of:

The extent to which Annex 1 PGRFA have been included in the MLS

The crops that have been included in the MLS; and

The difficulties encountered in including Annex 1 PGRFA in the MLS:

>>>

20C. If your answer is 'none', please provide details of the difficulties encountered in including Annex 1 PGRFA in the MLS:

- Lack of guidelines for the identification and inclusion of material;
- There is no national genebank;
- Lack of catalogue of PGRFA in the country;
- Lack of specialised human resources;
- Limited economic resources and the need for capacity building;

Other, please explain:

>>>

21. Has your country taken measures to encourage natural and legal persons within your jurisdiction who hold Annex 1 PGRFA to include those resources in the MLS?

*Please select only one option*

- Yes
- No

21A. If your answer is 'yes', please provide details of:

The natural or legal persons within your jurisdiction that included Annex 1 PGRFA in the MLS;

The crops that have been included in the MLS by these persons; and

Any difficulties these persons encountered in including Annex 1 PGRFA in the MLS:

>>>

21B. If your answer is 'no', please provide details, in particular details of any difficulties encountered in encouraging these persons to include Annex 1 PGRFA in the MLS:

>>> All material preserved in long-term ex situ collections of public institutions is part of the MLS.

## Article 12: Facilitated access to plant genetic resources for food and agriculture within the Multilateral System

22. Has your country taken measures to provide facilitated access to Annex 1 PGRFA, in accordance with the conditions set out in Article 12.4 of the Treaty?

*Please select only one option*

- Yes  
 No

22A. If your answer is 'yes', please provide details of such measures:

>>> All genetic resources preserved at the genebank are distributed under the conditions of the SMTA. Information is available on Nordic-Baltic Genebanks Information System GENBIS <https://www.nordic-baltic-genebanks.org>.

22B. If your answer is 'no', please provide details of any difficulties encountered in providing facilitated access to Annex 1 PGRFA:

>>>

23. Has facilitated access been provided in your country to Annex 1 PGRFA using the Standard Material Transfer Agreement (SMTA)?

*Please select only one option*

- Yes  
 No

23B. If your answer is 'no', please provide details of any difficulties encountered in providing facilitated access to Annex 1 PGRFA using the SMTA:

>>>

24. Has the SMTA been used voluntarily in your country to provide access to non-Annex 1 PGRFA?

*Please select only one option*

- Yes  
 No  
 No, but the issue is under consideration

25. Does the legal system of your country provide an opportunity for parties to material transfer agreements (MTAs) to seek recourse in case of contractual disputes arising under such agreements?

*Please select only one option*

- Yes  
 No

25A. If your answer is 'yes', please provide details of the relevant laws, regulations or procedures:

>>> Law of Obligations Act (Passed 26.09.2001, RT I 2001, 81, 487, Entry into force 01.07.2002)  
<https://www.riigiteataja.ee/en/eli/512012021002/consolide>.

26. Does the legal system of your country provide for the enforcement of arbitral decisions related to disputes arising under the SMTA?

*Please select only one option*

- Yes  
 No

26A. If your answer is 'yes', please provide details of the relevant laws, regulations or procedures:

>>> Code of Civil Procedure (Passed 20.04.2005, RT I 2005, 26, 197, Entry into force 01.01.2006)  
<https://www.riigiteataja.ee/en/eli/513042021008/consolide>.

27. Have there been any emergency disaster situations in respect of which your country has provided facilitated access to Annex 1 PGRFA for the purpose of contributing to the re-establishment of agricultural systems?

*Please select only one option*

- Yes  
 No

27A. If your answer is 'yes', please provide details of such emergency disaster situations and the Annex 1 PGRFA to which access was provided:

>>>

## Article 13: Benefit-sharing in the Multilateral System

28. Has your country made any information available regarding Annex I PGRFA?

*Please select only one option*

- Yes  
 No

28A. If your answer is 'yes', please provide details of any information made available regarding Annex 1 PGRFA:

- Catalogues and inventories  
 Information on technologies  
 Results of scientific and socio-economic research, including characterisation, evaluation and utilisation  
 Other

29. Has your country provided or facilitated access to technologies for the conservation, characterisation, evaluation and use of Annex I PGRFA?

*Please select only one option*

- Yes  
 No

29A. If your answer is 'yes', please indicate whether your country:

- Has established or participated in crop-based thematic groups on utilisation of PGRFA  
 Is aware of any partnerships in your country in research and development and in commercial joint ventures relating to the material received through the MLS, human resource development and effective access to research facilities.

Please provide details:

>>> Estonia participates in ECPGR crop-based working groups and thematic working groups.  
Conducted several PPP projects.  
Cooperation on utilisation of PGR between plant breeders, scientific institutions and agricultural producers.  
Network of institutions involved into preservation and utilisation of PGRFA  
Activities on preparation of a national strategy on in situ conservation of crop wild relatives.

30. Has your country provided for and/or benefitted from capacity building measures in respect of Annex 1 PGRFA?

*Please select only one option*

- Yes  
 No

30A. If your answer is 'yes', please indicate whether such measures were related to:

- Establishing and/or strengthening programmes for scientific and technical education and training in conservation and sustainable use of PGRFA;  
 Developing and strengthening facilities for conservation and sustainable use of PGRFA;  
 Carrying out scientific research and developing capacity for such research.

30B. If your country provided for and/or benefitted from such measures, please provide details:

>>> PPP projects.  
ECPGR network (working groups, EURISCO, AEGIS, evaluation project EVA).  
Participation in EU projects that also comprise characterization and evaluation of PGRFA.

## Article 14: Global Plan of Action

31. Has your country promoted the implementation of the Global Plan of Action for the Conservation and Sustainable Use of Plant Genetic Resources for Food and Agriculture?

Please note that this question differs from question 15 as it only concerns Annex I PGRFA and is more specific.

*Please select only one option*

- Yes
- No

31A. If your answer is 'yes', please indicate whether the implementation of the plan was promoted through:

- National actions
- International cooperation
- Other actions

Please provide details:

>>> National programme „Collection, conservation and utilization of plant genetic resources for food and agriculture“.

Activities within ECPGR.

Cooperation in the frames of the Nordic-Baltic network

## **Article 15: Ex Situ Collections of Plant Genetic Resources for Food and Agriculture held by the International Agricultural Research Centres of the Consultative Group on International Agricultural Research and other International Institutions**

32. Has facilitated access to Annex I PGRFA been provided in your country to the International Agricultural Research Centres of the Consultative Group on International Agricultural Research (IARCs) or other international institutions that have signed agreements with the Governing Body of the Treaty?

*Please select only one option*

- Yes  
 No

32A. If your answer is 'yes', please indicate:

To which IARCs or other international institutions facilitated access was provided;  
The number of SMTAs entered into with each IARC or other international institution:  
>>>

32B. If your answer is 'no', please provide details of any difficulties encountered in providing facilitated access to Annex 1 PGRFA to IARCs and other international institutions that have signed agreements with the Governing Body of the Treaty

>>> Priority is to collect and preserve material of Estonian origin, thus IARCs have little interest for this information.

33. Has access to non-Annex I PGRFA been provided in your country to IARCs or other international institutions that have signed agreements with the Governing Body of the Treaty?

*Please select only one option*

- Yes  
 No

33A. If your answer is 'yes', please indicate:

To which IARCs or other international institutions access was provided;  
The number of MTAs entered into with each IARC or other international institution:  
>>>

33B. If your answer is 'no', please provide details of any difficulties encountered in providing access to non-Annex 1 PGRFA to IARCs and other international institutions that have signed agreements with the Governing Body of the Treaty:

>>> No joint activities have taken place.



## Article 16: International Plant Genetic Resources Networks

34. Has your country undertaken any activities to encourage government, private, non- governmental, research, breeding and other institutions to participate in the international plant genetic resources networks?

*Please select only one option*

Yes

No

34A. If your answer is 'yes', please provide details of such activities:

>>> The Ministry of Rural Affairs has been committed on participation in the activities of ECPGR and supported involvement of research and breeding institutions as well as non-governmental organizations in the international PGR networks.

## Article 18: Financial Resources

35. Has your country provided financial resources for national activities for the conservation and sustainable use of PGRFA?

*Please select only one option*

- Yes  
 No

35A. If your answer is 'yes', please provide the estimated amount of funds provided during the last five years, including government resources:

>>> For implementation of national programme „Collection, conservation and use of plant genetic resources for food and agriculture“ 1.9 million euros has been allocated during the last five years.  
To compile check lists and priority list of crop wild relatives in Estonia (10 000 euros).

35B. Please indicate if your country has developed a strategy or other measures to enhance the availability, transparency, efficiency and effectiveness of the provision of financial resources to implement the International Treaty:

>>> No dedicated strategies have been implemented.

36. Has your country provided financial resources for the implementation of the International Treaty?

*Please select only one option*

- Yes  
 No

36A. If your answer is 'yes', where possible, please provide details of such channels and the amount of the financial resources involved during the last 5 years::

>>>

36B Channel:

- Bilateral  
 Regional  
 Multilateral

36C. Please provide details:

>>>

37. Has your country received financial resources for the implementation of the International Treaty?

*Please select only one option*

- Yes  
 No

37A. If your answer is 'yes', where possible, please provide details of such channels and the amount of the financial resources involved during the last 5 years:

>>>

37B. Channel:

- Bilateral  
 Regional  
 Multilateral

37C. Please provide details:

>>>

## **General remarks on the implementation of the ITPGRFA**

38. You may use this box to share any advice you may have arising from your country's experience with implementation of the Treaty:

>>>

39. You may use this box to share any additional information that may be useful to provide a broader perspective of difficulties in implementation of the Treaty:

>>>

40. You may use this box to share any additional information that may be useful to provide a broader perspective of measures that could help to promote compliance:

>>>

## About this reporting

41. Have you encountered any difficulties in completing this reporting format?

*Please select only one option*

Yes

No

41A. If your answer is 'yes', please provide details on such difficulties:

>>>

41B. If you have suggestions for improvement of this reporting format, please share them:

>>>