



**Estonian
Crop Research
Institute**

Implementation of AEGIS Estonia

10.12.2018 Madrid

**Külli Annamaa
Genebank**

National PGRFA Programme since 2002



**Estonian Crop Research Institute
Dep. of Plant Biotechnology**



**Estonian University of Life Sciences
Polli Horticultural Research Centre**



**Estonian Crop
Research Institute
Genebank**



**Botanical Garden of
University of Tartu**



**Institute of Gene Technology
of Tallinn University of Technology**

Milestones

- 22.04.2009 Memorandum of Understanding

- AMAs – spring 2010

2013
ECRI { Jõgeva Plant Breeding Institute – seeds
Estonian Research Institute of Agriculture – *in vitro*
Estonian University of Life Sciences – fruits&berries

2013 Estonian Crop Research Institute

Selection requirements



Revised simplified procedure for the selection and flagging of accessions for the European Collection

(Final version, 30 December 2013)

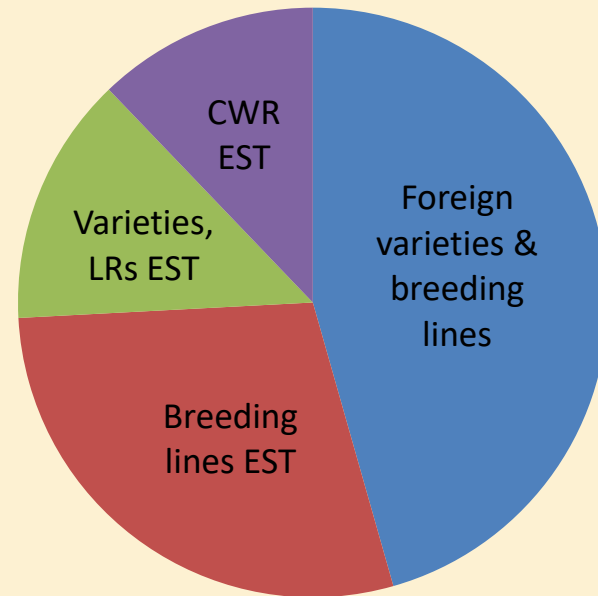
- 2.1 Candidate accessions recommended for inclusion in the European Collection should:
- meet the [Selection requirements](#) approved by the Steering Committee (Box 1 below);
 - be included in EURISCO;
 - offer no obstacles to be made accessible to recipients expeditiously according to the terms and conditions of the Standard MTA of the International Treaty.

Box 1. Selection requirements

- Material under the management and control of the member countries** and their Associate Members, in the public domain and offered by the associate members for inclusion into AEGIS.
- Genetically unique** within AEGIS, to the best available knowledge (i.e. genetically distinct accessions; assessment based on available data and/or on the recorded history of the accession).
- Plant genetic resources for food and agriculture** as defined in the International Treaty as well as medicinal and ornamental species.
- European origin or introduced germplasm** that is of actual or potential importance to Europe (for breeding, research, education or for historical and cultural reasons).

Selection criteria

- Country of origin – Estonia
- Varieties, landraces, material collected from nature
- Availability



Accessions in collections

Flagging process

National Coordinator



Genebank manager & WG member



National Coordinator



Database manager/National Focal Point

A quality management system (AQUAS)

Genebank manuals

2013

~~Jõgeva Plant Breeding
Institute~~

2017

Estonian Crop Research
Institute

???

Polli Horticultural
Research Centre

The screenshot shows the website www.ecpgr.cgiar.org/aegis/aquas/genebank-manuals/. The page is titled "Genebank Manuals" and lists several manuals under the heading "Associate Members' Genebank Manuals". The entries are categorized by country:

- Czech Republic:**
 - Operational genebank manual of the Crop Research Institute (CRI), Czech Republic (March 2016) (522 KB)
 - Operational genebank manual of the Potato Research Institute (PRI), Czech Republic (March 2016) (373 KB)
- Estonia:** Operational genebank manual of the Estonian Crop Research Institute (ECRI), Estonia (October 2017) (748 KB) - This entry is circled in red.
- Germany:**
 - Operational genebank manual of Leibniz Institute of Plant Genetics and Crop Plant Research (IPK), Germany (March 2011) (200 KB)
 - Operational genebank manual of Julius Kühn-Institute, Germany (July 2012) (1001 KB)
 - Operational genebank manual of Bundesanstalt, Federal Plant Variety Office (May 2012) (425 KB)

The right sidebar contains a navigation menu with the following items: Overview, Principles, Operational framework, Genebank standards +, Agreed standards, Policies, and Genebank manuals (highlighted).

Genebank manual



Estonian
Crop Research
Institute

**Operational genebank manual of the
Estonian Crop Research Institute**



Contact

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Flagged accessions

2014 – wheat (15)

2017 - winter rye, barley, forage grasses
and legumes (74)

2018 – potato (36)



Potato 'Sulev'

Procedure SESTO->EURISCO

The screenshot shows the SESTO web interface in Mozilla Firefox. The browser address bar displays the URL: https://sesto.nordgen.org/sesto/pop.php?inc=edt_accadm.phps&scsp=est&th. The main content area is titled "Edit admin data for accession (EST25)".

The form contains the following fields:

- Minimum viability: min grpct
- Minimum seed amount: min number of viable seeds
- Originality: most original sample
- Primary collection:
- Aegis status:
- Remarks:

At the bottom of the form, it states "Last updated by Kylli 2017-12-06 20:41" and includes "Submit", "Revert", and "Cancel" buttons.

On the left side, there is a navigation menu with tabs for "SESTO", "Trait (C&E)", and "Referen". Below this, there is a table with the following data:

Genus	
Taxon	
Scientific Name	Author
Triticum aestivum	L., non
Accession	
Accession name	Accessio
Pikker	EST25

Below the navigation menu, there are three tabs: "Accession details", "Stored material", and "Collecting site". The "Stored material" tab is currently selected and highlighted in green.

The "Stored material" section displays a table of "Stored Seed Samples (Batch)":

Batch	Harvest	Received	Design	Parbat	Gener	Plno	Lst	Fail
1	1997	1999-02-01					Y	[edit]

Below this table, there is a section for "Active Storage" with the text "add: [add batch to activ]".

Batch	Stored	Freezer	Shelf	box	DisBags	DisBSee	Weight	Seeds
1	1999-05-15	1		6	7	250	475 g	11176 ¹ [edit]

At the bottom, there is a section for "Base Storage" with the text "no material stored in the base collection" and "Add: [add batch to base]".

National Inventory

SESTO Trait (C&E) References Utilities User Manual Admin Links

Genus Taxons Cultivars **Accessions** [Search]

Tax on [Select to edit]
 Scientific Name Authority Family English name IT PGR Annex I Estonian name
 Triticum aestivum L., nom. cons. Poaceae Wheat TRUE nisu

Accession edit [accession] [donor] [breeder] [admin] [designations] [groups] add [batch]
 Accession name Accession number Mandate GeneBank Origin country Cultivar type
 Pikker EST25 ACC JPBI Estonia CV

Accession details Stored material Collecting site

Genebank Jõgeva Plant Breeding Institute,
 Accession number EST25
 Accession name Pikker
 Origin country Estonia
 Accession mandate code ACC
 Sub type spring
 Culton type Advanced Cultivar
 Other acc numbers JPBI25
 Breeder institute Jõgeva Plant Breeding Institute

← → ↻ 🏠 https://eurisco.ipk-gatersleben.de/apex/f?p=103:15::NO::

SESTO Et uus saaks alguse



Home About **Search**

Search Advanced search Export data by species Export data by National Inventory

Home > Search > Search accession > National inventory report accession

National inventory report

1-5

National Inventory	No Of Accessions
Czech Republic	1
Estonia	1
Germany	1
Poland	1
Russian Federation	1

1-5

Download

2.00 s

Winter rye 'Sangaste'

