

REPORT FROM LATVIA

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Situation in the frame of genetic resources (1)

- The implementation of the International Treaty on Plant Genetic Resources for Food and Agriculture, which Latvia ratified **in 2004**, is the responsibility of the *Ministry of Agriculture*.
- **Since 2006** Latvia has created *a system for conservation and sustainable use* of plant for food and agriculture, animal, forest and fish genetic resources



Situation in the frame of genetic resources (2)

- In the frame of governmental programme (2007 – 2009), the **Genetic Resource Centre** at the Latvian State Forest Research Institute “Silava” has been established
- The Genetic Resource Centre incorporates the **Latvian Gene Bank of Cultivated Plants** (Head - *Dainis Ruņģis*), the **Database** and the **Genetic Analysis laboratory**
- All is coordinated by the **Council of Genetic Resources** in the Ministry of Agriculture

Participation in ECPGR MAP Working Group

► Ieva Žukauska (till 2015)



► Irina Sivicka (from 2015)



Genetic resources of MAP (1)

➤ *Ex situ* collection of MAP (the fundamental in Latvia)

Attached to the Latvia University of Agriculture, Faculty of Agriculture, Institute of Agrobiotechnology, Department of Horticulture, Laboratory of Horticulture and Beekeeping (N 56° 39`47`; E 23° 45` 13``).





Genetic resources of MAP (2)

Ex situ collection includes **14 species** of MAPs:

Allium ursinum L.

Artemisia abrotanum L.

Artemisia dracunculus L.

Carum carvi L.

Hyssopus officinalis L.

Lavandula angustifolia L.,

Levisticum officinale L.

Melissa officinalis L.

Mentha × *piperita* L.

Mentha spicata L.

Nepeta cataria L.

Origanum vulgare L.

Thymus serpyllum L.

Thymus pulegioides L.



Genetic resources of MAP (3)

- The number of accessions per each species differs from 1 (*Lavandula angustifolia* L.) to 44 (*Origanum vulgare* L.)
- Totally, there are 129 accessions of MAPs. The collection visually shows the morphological diversity of accessions.
- The creation of this collection was started in the 1960s with a purpose to acquaint the students with diversity of MAPs

Genetic resources of MAP (4)

- Since 1994, it was purposefully supplemented with genetic resources of MAPs
- After 2000s, when the research of plant genetic resources became the priority of our government, this *ex situ* collection became a fundamental in Latvia

PROBLEM: the financial support of the Ministry of Agriculture (No. 10.9-11/16/964) is provided no for all accessions. *It is only for conservation, not for the research*



MAP presentation collection

Artemiisia vulgaris

Alchemilla vulgaris

Anchusa officinalis

Helichrysum arenarium

Tanacetum vulgare

Valeriana officinalis

Primula veris

Convallaria majalis

Euphorbia lathyris

Filipendula ulmaria

Humulus lupulus

Leonurus cardiaca

Matricaria chamomilla

Tussilago farfara

Plantago major

Sanguisorba officinalis

Symphytum officinale

Urtica dioica

Verbascum thapsus

Viola tricolor

Viola arvensis

Viola arvensis

THANK YOU FOR YOUR ATTENTION!

