



REPUBLIC OF ESTONIA
ENVIRONMENTAL BOARD

Eradication of invasive alien plant species in Estonia

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chief species protection
specialist

Environmental Board

18th August 2020 in Teams



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Longest history

Heracleum sosnowskyi

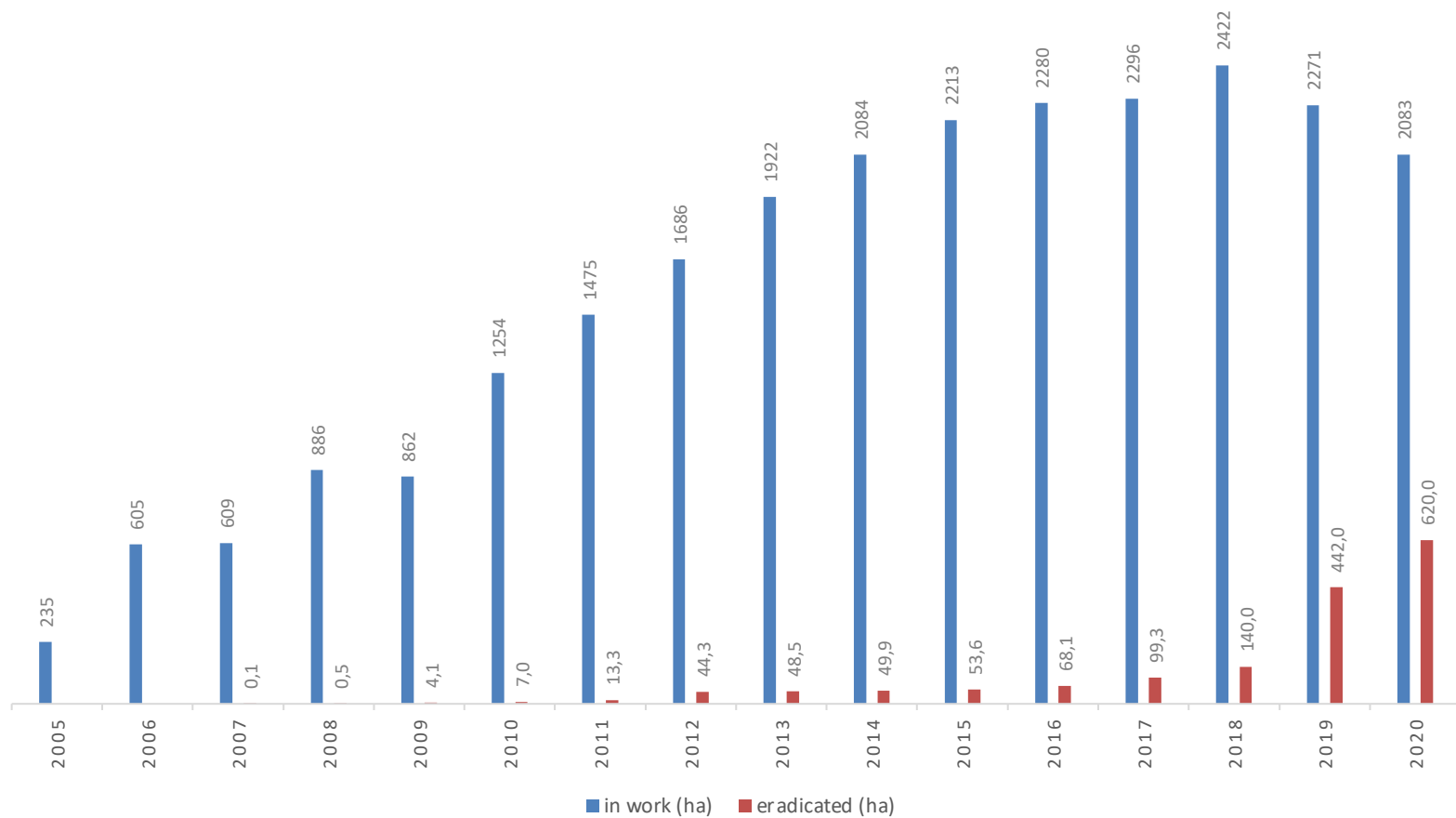
Heracleum

mantegazzianum

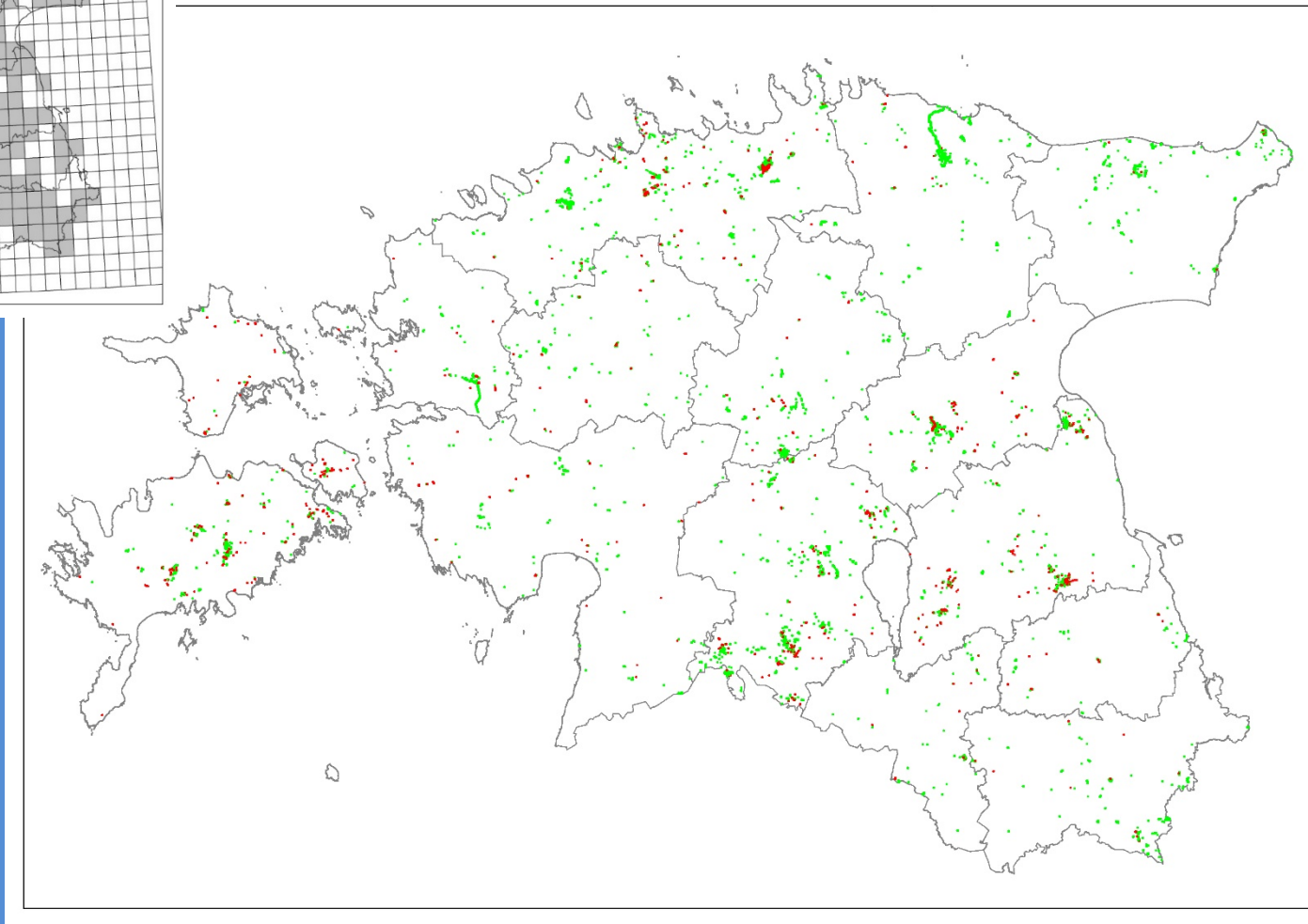
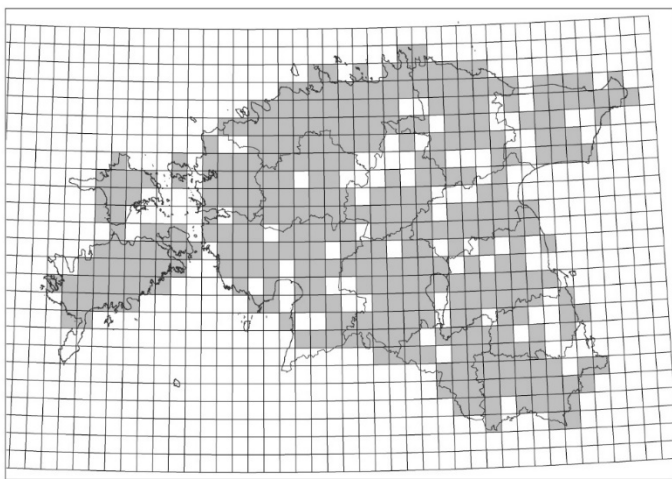
Heracleum persicum

No difference in eradication





- ✓ 2003 first pilot project (2 countys; digging the plants)
- ✓ 2006-2009 most of colonies eradicated (state eradication)
- ✓ since 2010 all known colonies eradicated (state eradication)



2083 ha (state) + 131 ha (other) + 621 ha (eradicated)
TOTAL **2835 ha** (0,07 % of land)



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Since 2005 eradication strategy

Since 2010 public procurement

- ✓ eradication regions
- ✓ lowest price
- ✓ certain method for colony
- ✓ eradication guide
- ✓ job done 01.aug-01.sept
- ✓ 0-tolerance of plants
- ✓ 100% control





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Methods:

- ✓ glyphosate based herbicide
- ✓ digging up
- ✓ cutting flowerheads





New directions:

- ✓ testing new methods
- ✓ creating geo-database
- ✓ need for support system (landowners)
- ✓ eradication obligation in agriculture
- ✓ impl. to forestry database (forestry permits)
- ✓ focus on permits at colony areas
- ✓ enforcing sanction system
- ✓ passing on allmost er.-d colonies to local municipality and landowners
- ✓ seasonal workers „to finish up“
- ✓ alternative to military
- ✓ remote mapping methods

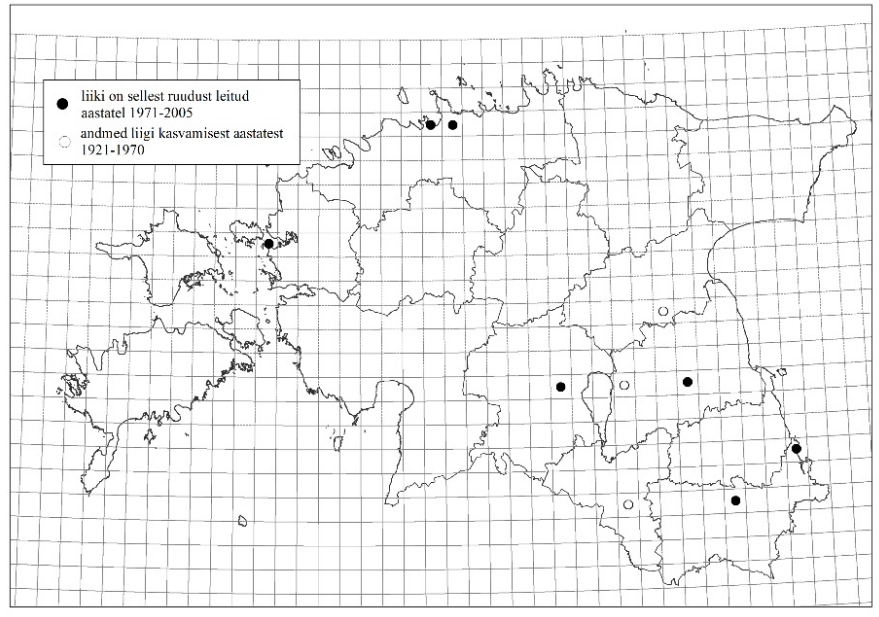




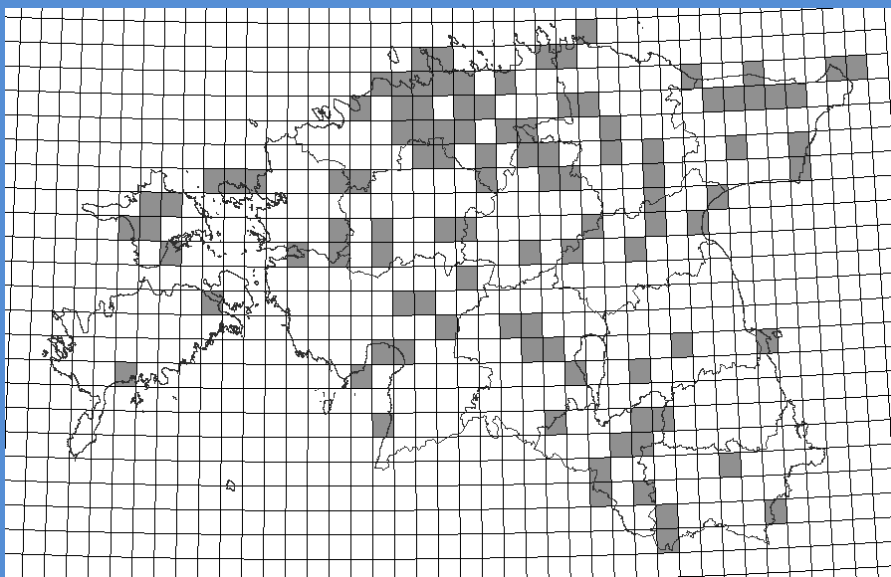
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Impatiens glandulifera
in Estonia





2005



2019

at the moment TOTAL ca **200 ha**



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Since 2018 eradication strategy

Actions so far and to be:

- ✓ testing weeding duration
- ✓ testing hot steam tech.
- ✓ co-operation with Tallinn Jail and Tartu Jail (society useful workers, replacing fine or imprisonment)
- ✓ contract for mowing (Viljandi lake)
- ✓ contract for weeding (Pärnu county)
- ✓ voluntary work-days (Estonia WWF+ public „summer days“)
- ✓ eradication obligation to landowners (sending notifications)





Fallopia

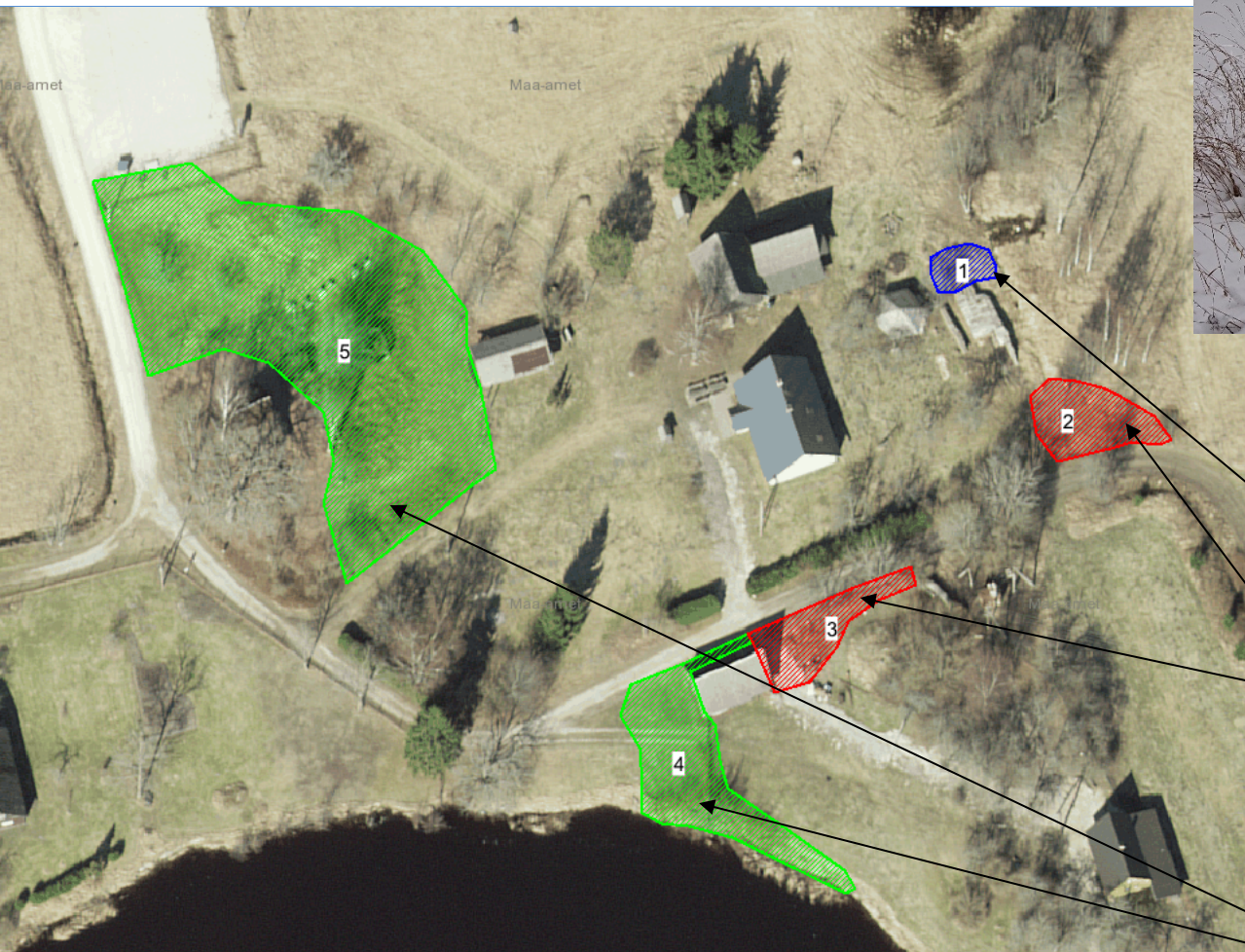
japonica/sachalinensis

- ✓ no eradication strategy
- ✓ no mapping
- ✓ everywhere (backyards)
- ✓ more and more calls





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2020

clearing+geotextile

clearing+digging
+ mowing

clearing+mowing



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Rosa rugosa

- ✓ no eradication strategy
- ✓ partial mapping
- ✓ everywhere
- ✓ public disagreement





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2020

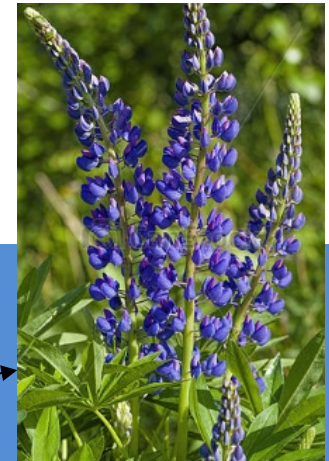
Digging at Luidja
and Teesu

Coast-net-LIFE:
Paljassaare and
Aegna





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Other species:

- ✓ *Solidago canadensis*
- ✓ *Lupinus polyphyllus*
- ✓ *Pinus mugo*
- ✓ *Lysichiton americanus?*
- ✓ *Caragana arborescens*





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Thank you!

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