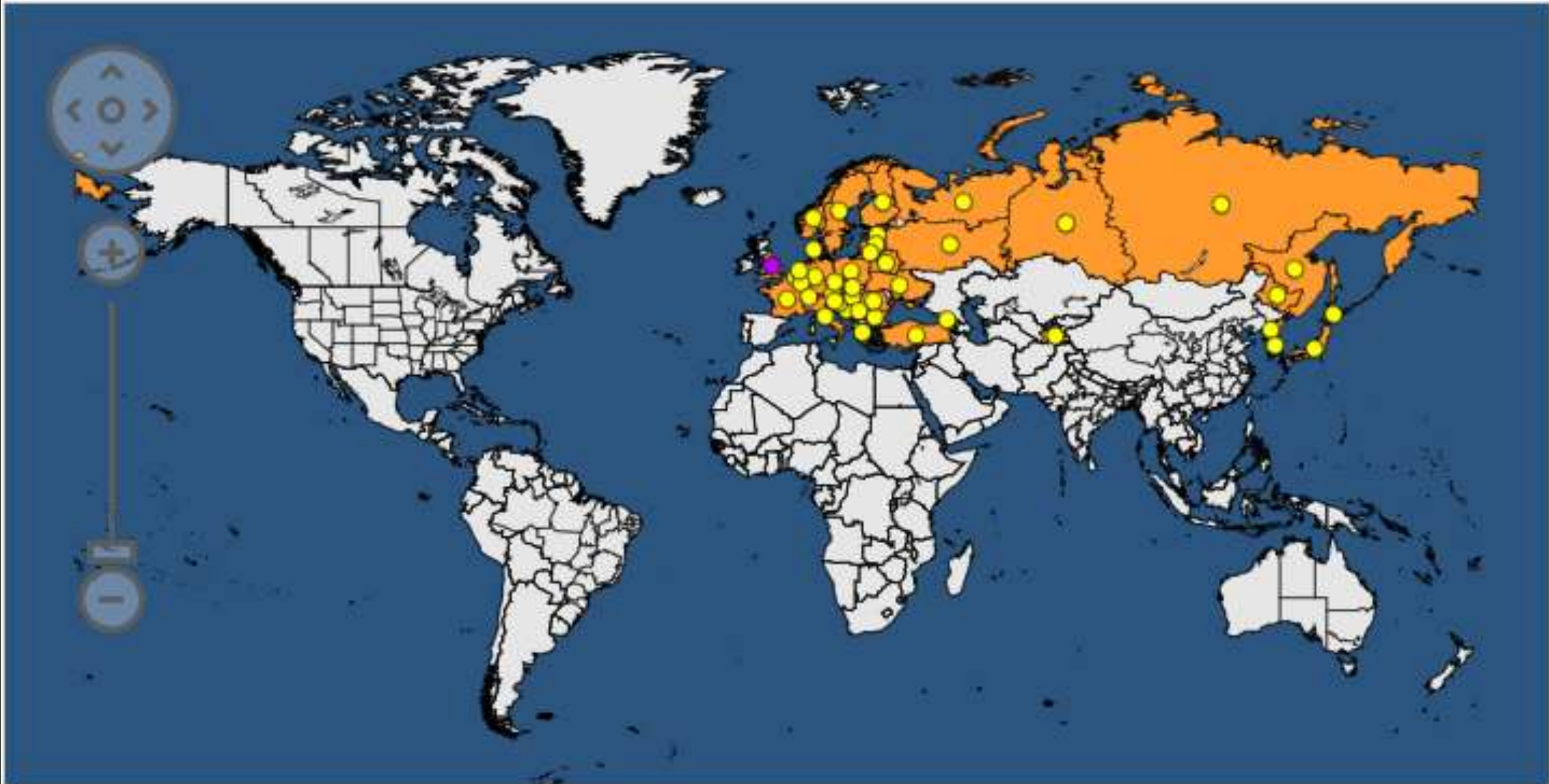


RISK ASSESSMENT OF SPRUCE STANDS IN
RELATION TO MASS
PROPAGATION OF SPRUCE BARK BEETLE
(*IPS TYPOGRAPHUS*) IN LATVIA

Zalkalns Oskars State Forest Service, Latvia;
University of Life Sciences and Technologies, Forest Faculty
Saint Petersburg, November 24–27, 2020

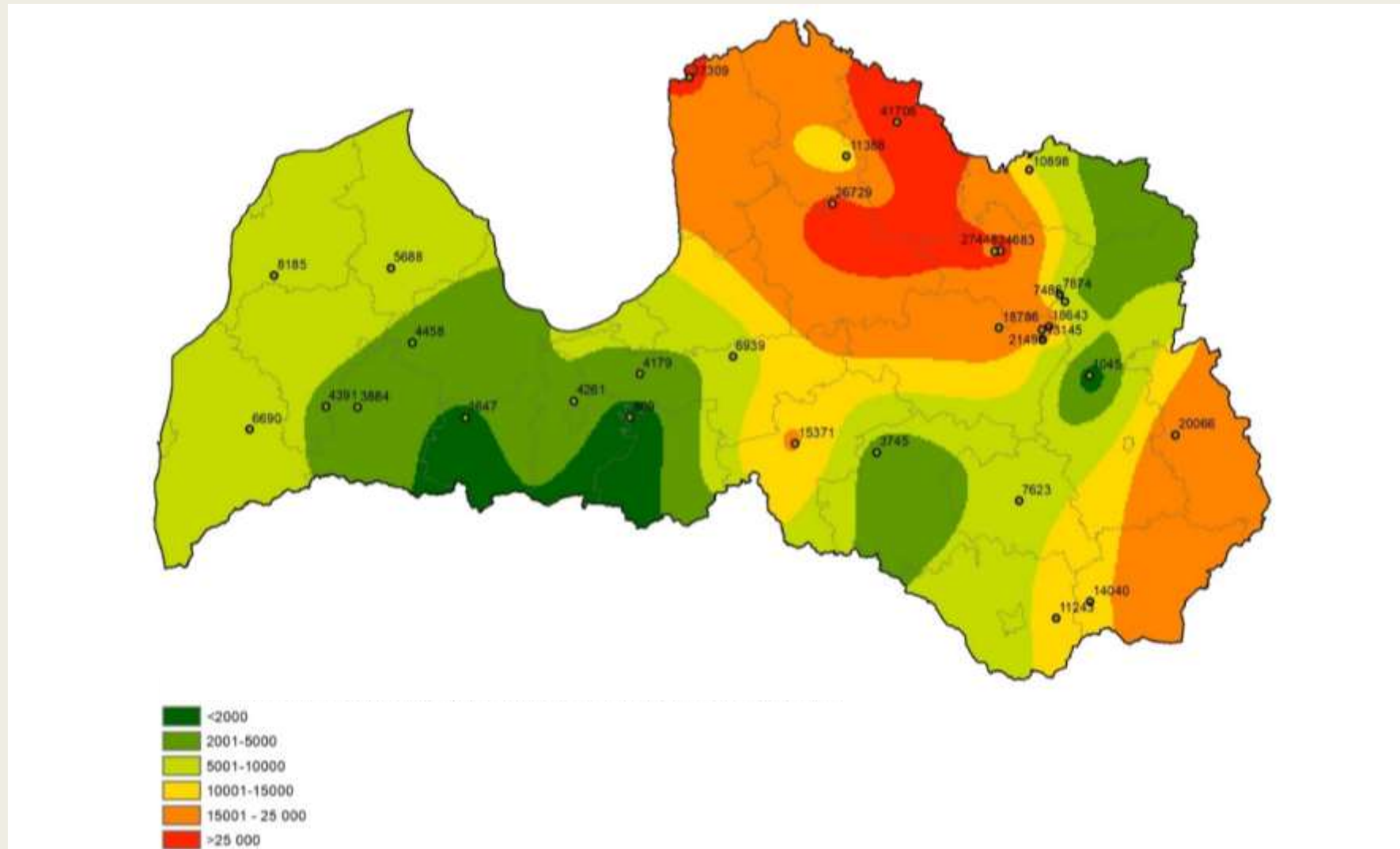


Izplatības areāls



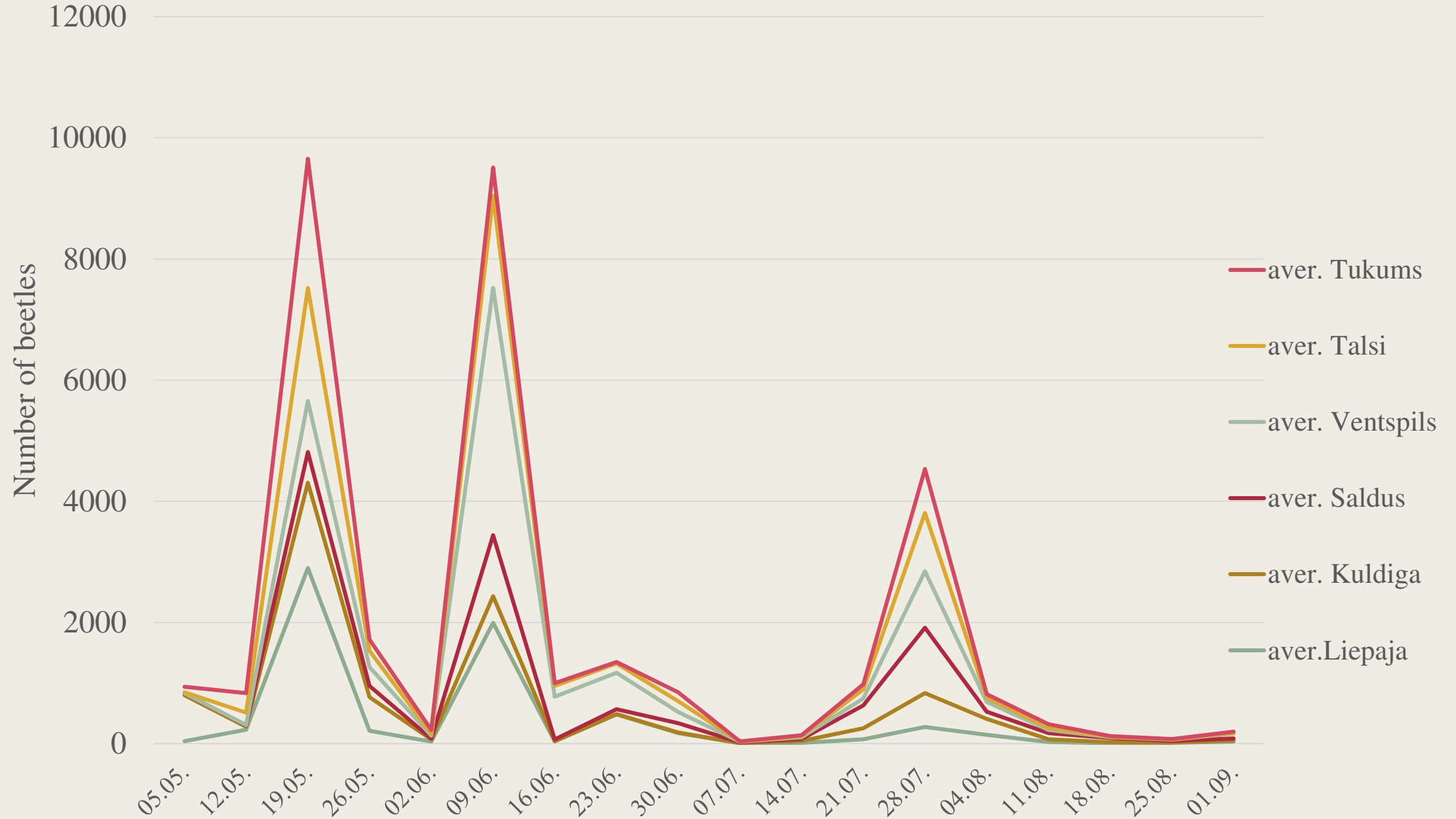
Source: <https://gd.eppo.int/taxon/IPSXTY/distribution> Last updated: 2020-02-07
17.11.2020

Flight intensity of bark beetles in 2019

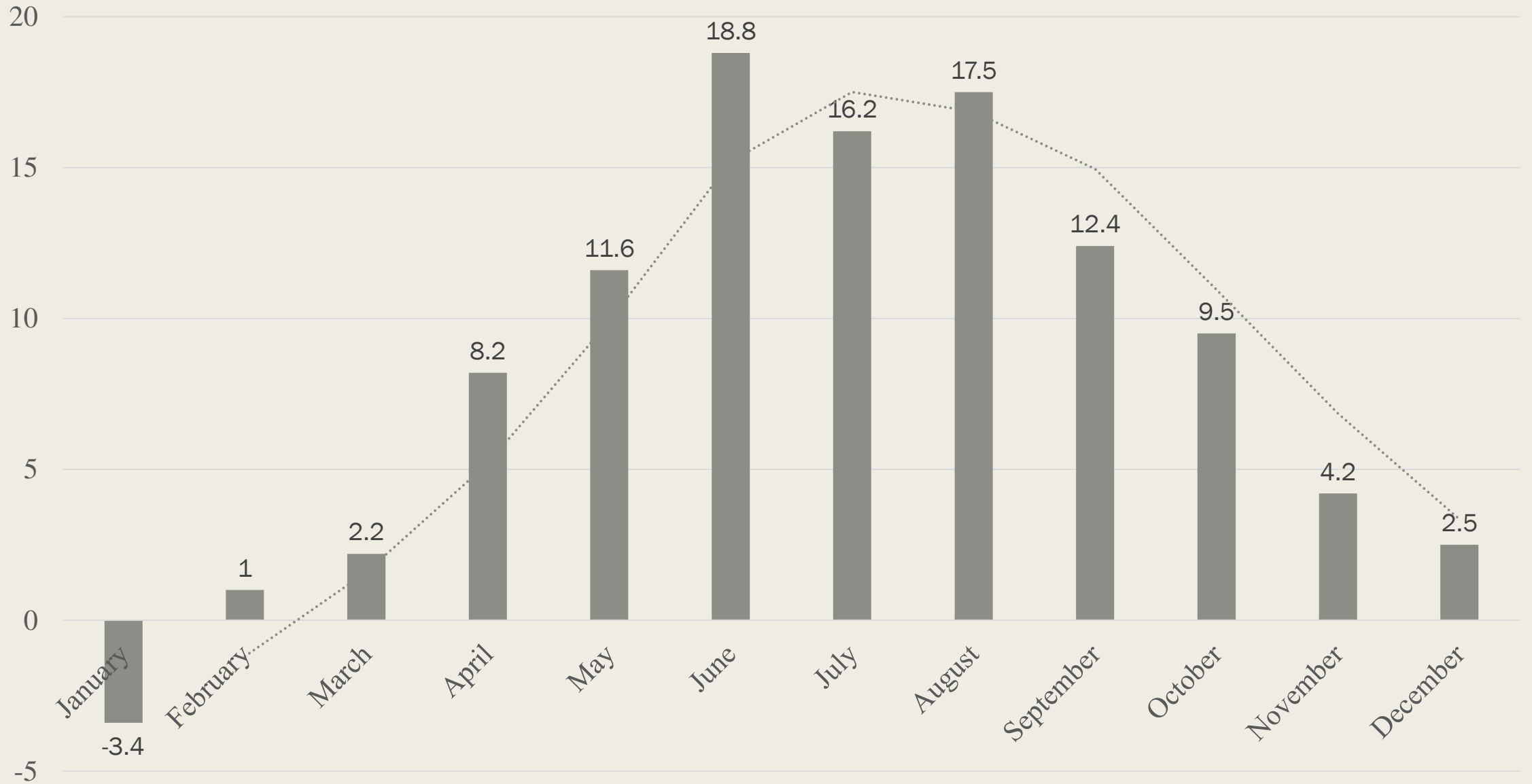


Source: A.Šmits, 2020

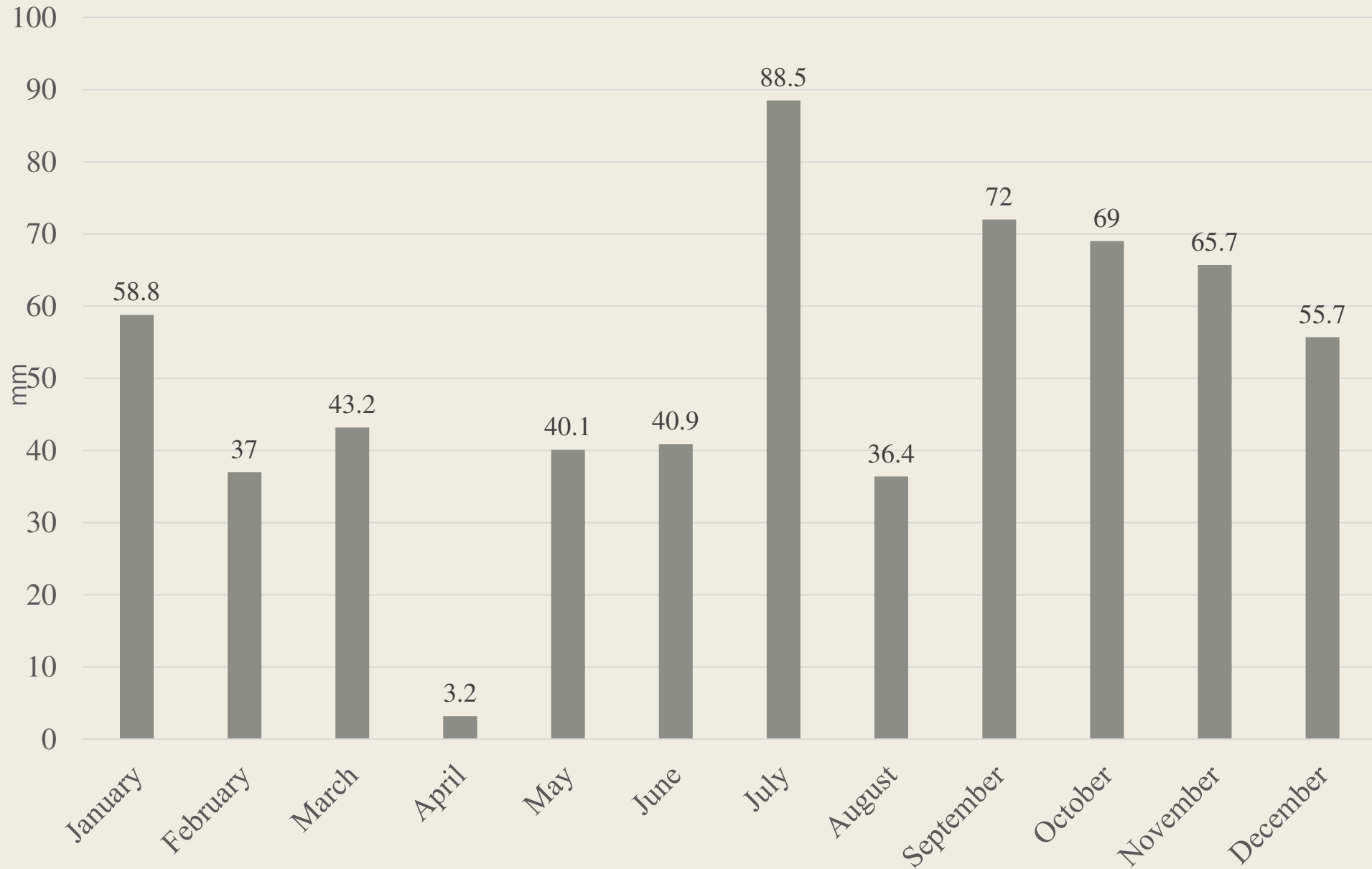
The average number of beetles in the trap in 2019

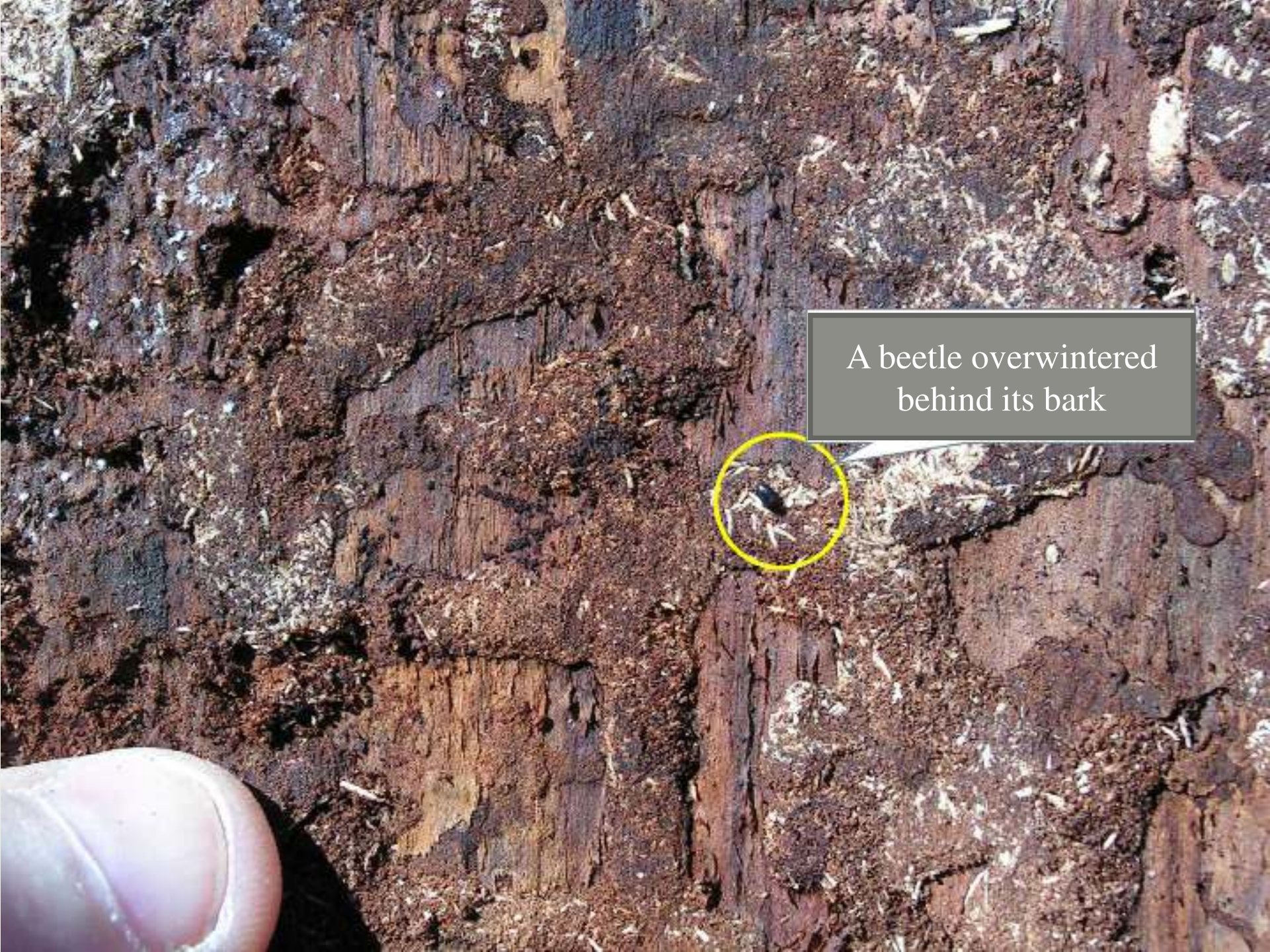


Average temperature by months 2019



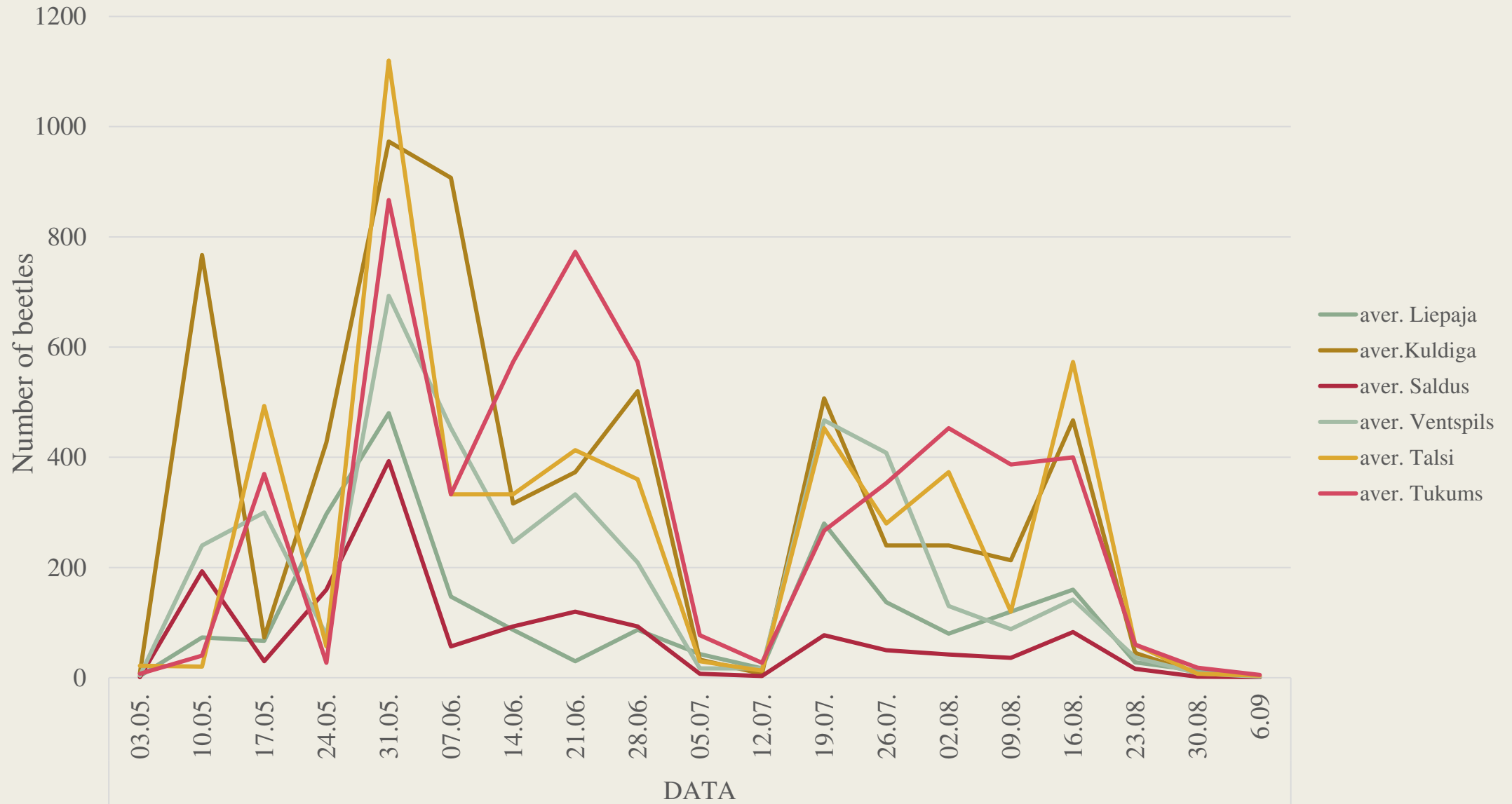
Precipitation by months 2019



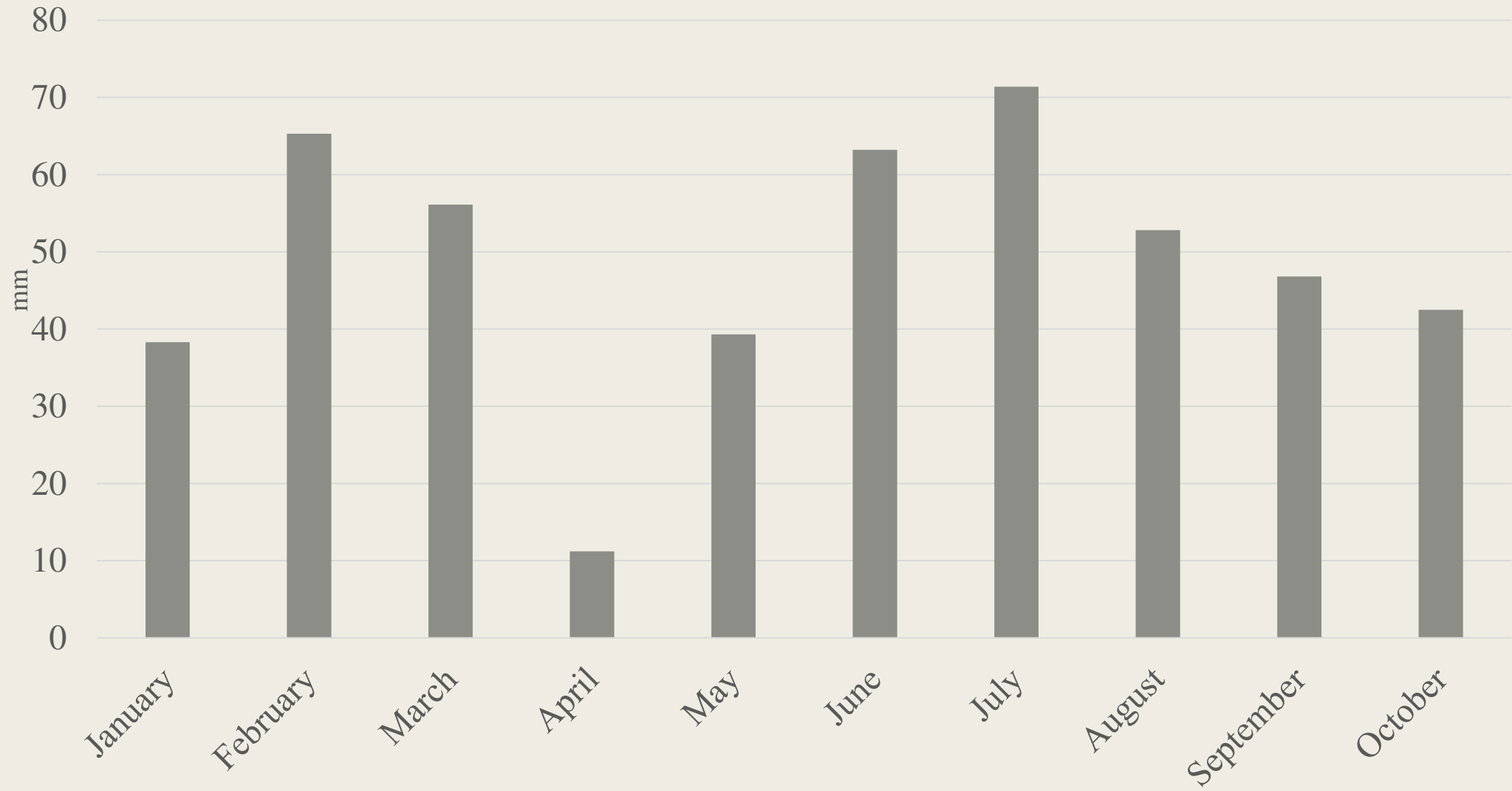


A beetle overwintered
behind its bark

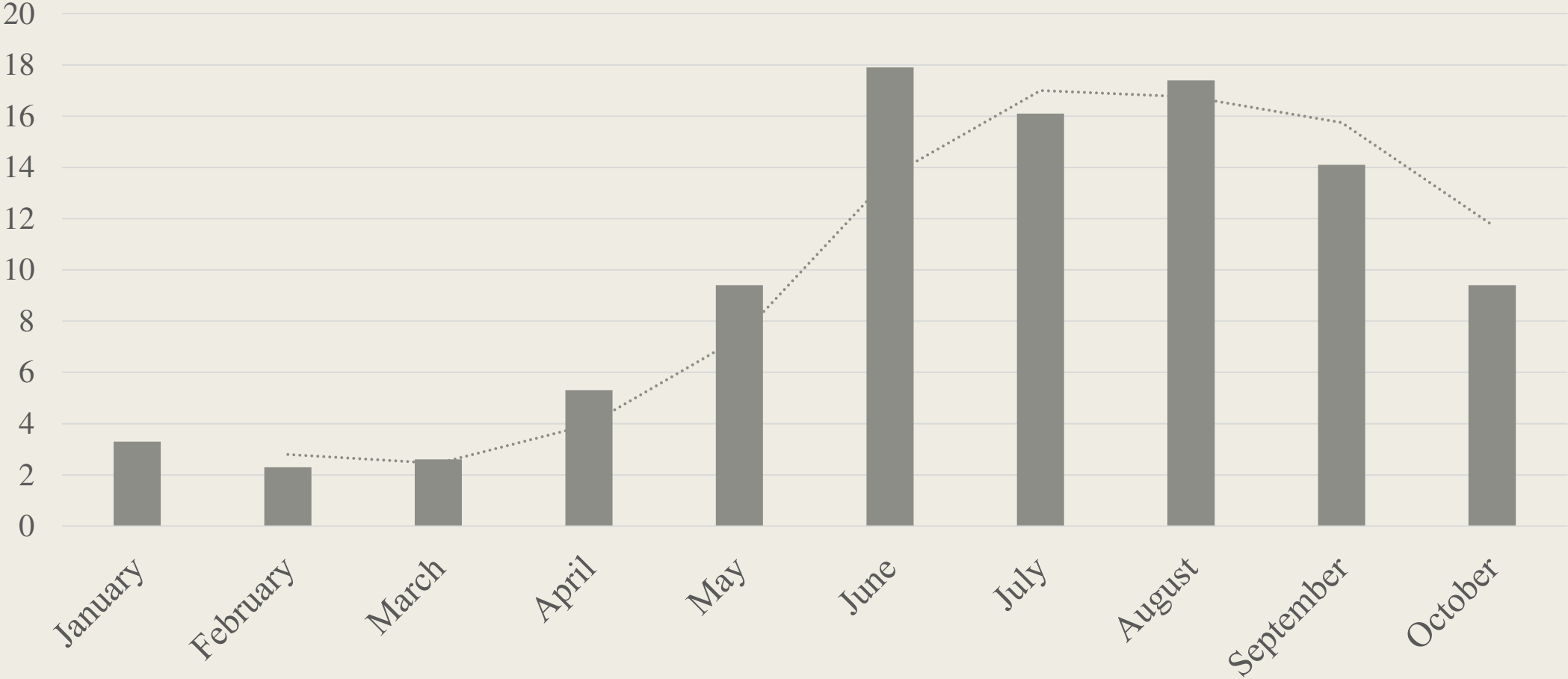
The average number of beetles in the trap in 2020



Precipitation by months 2020



Average temperature by months 2020



Fragment of the inventory table 2020

Rajons/atslē ga	DATA						
	03.05.	10.05.	17.05.	24.05.	31.05.	07.06.	14.06.
aver. Liepāja	3	73	67	297	480	147	87
aver. Kuldīga	8	767	73	427	973	907	316
aver. Saldus	1	193	30	160	393	57	93
aver. Ventspils	4	240	300	77	693	453	246
aver. Talsi	22	20	493	57	1120	333	333
aver. Tukums	7	40	370	27	867	333	573

Control of bark beetles

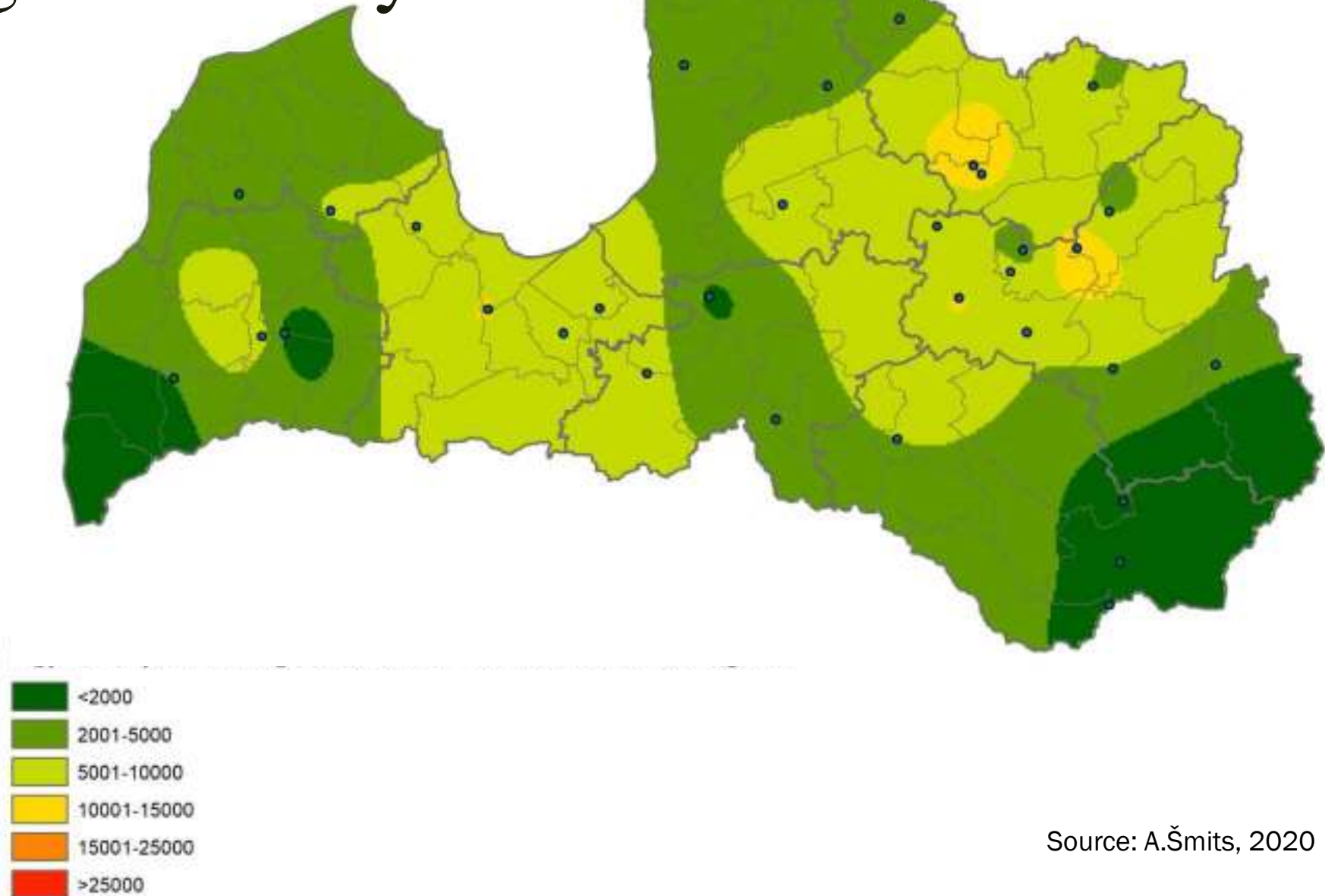




Used pheromones



Flight intensity of bark beetles in 2020



Thank you for your attention!

