



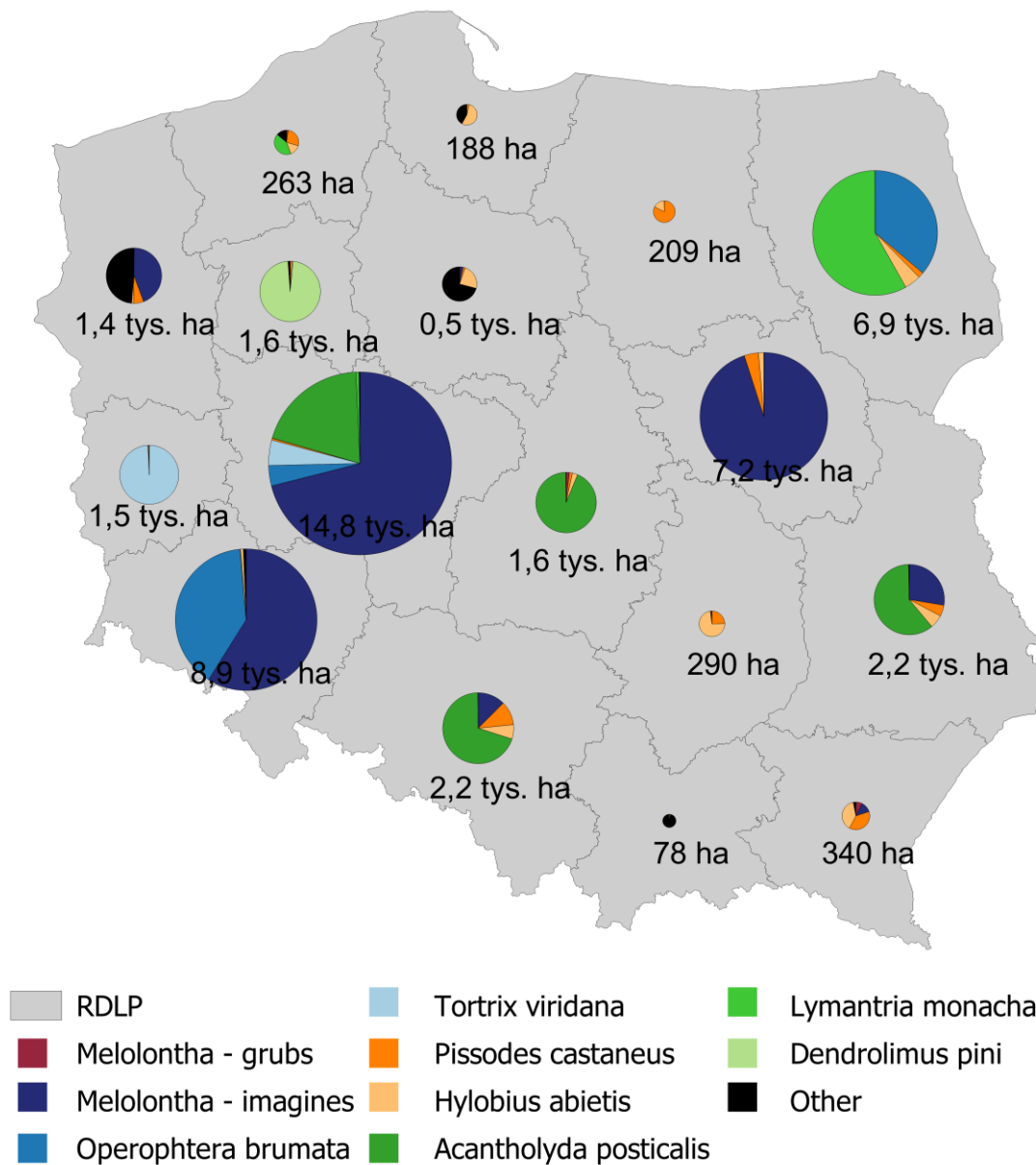
Główne problemy ochrony lasu w Polsce w roku 2020 i prognoza na rok 2021

Prof. dr hab. Wojciech Grodzki

Dr inż. Tomasz Jabłoński a kol.

Instytut Badawczy Leśnictwa

- Celková plocha výskytu škodlivého hmyzu v LP v 2020: **93 tis. ha**
- Celková plocha obranných zásahů v LP v 2020: **50 tis. ha**
 - *Melolontha* spp. – 33 tis. ha
 - Listožravý hmyz na borovice – 13,5 tis. ha

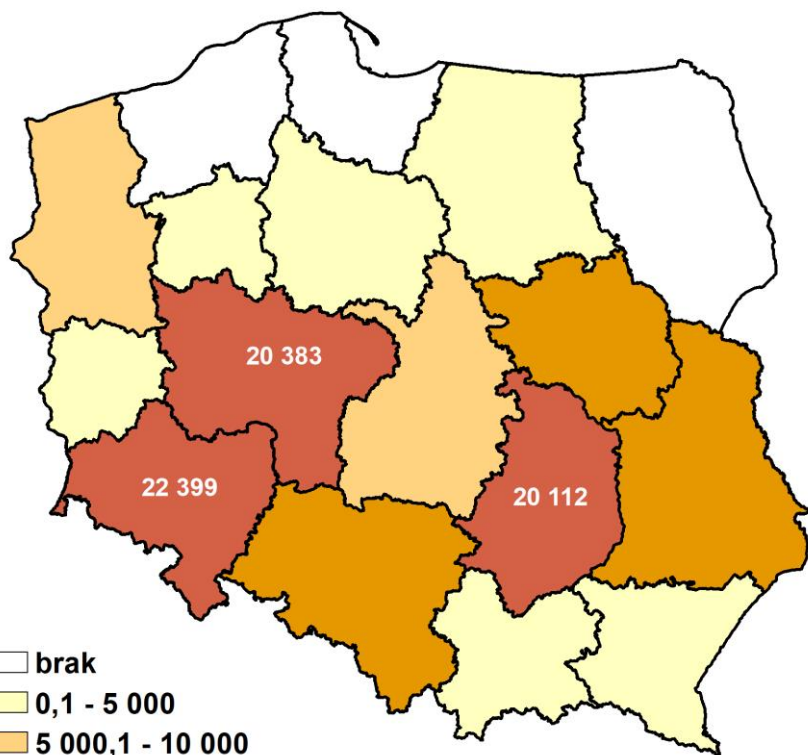


Viscum album L. – výskyt:

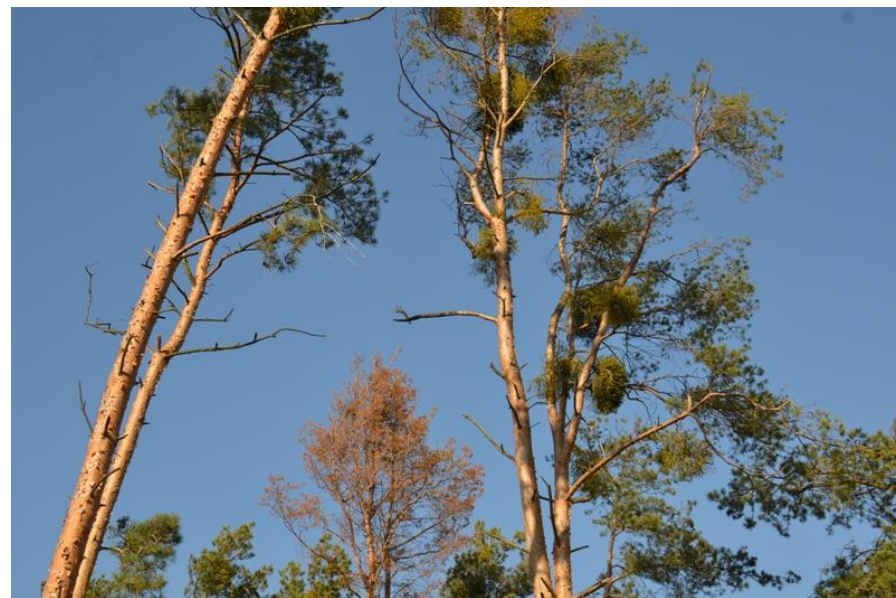
2018 r. – 23 tis. ha

2019 r. – 166 tis. ha

2020 r. – 127 tis. ha



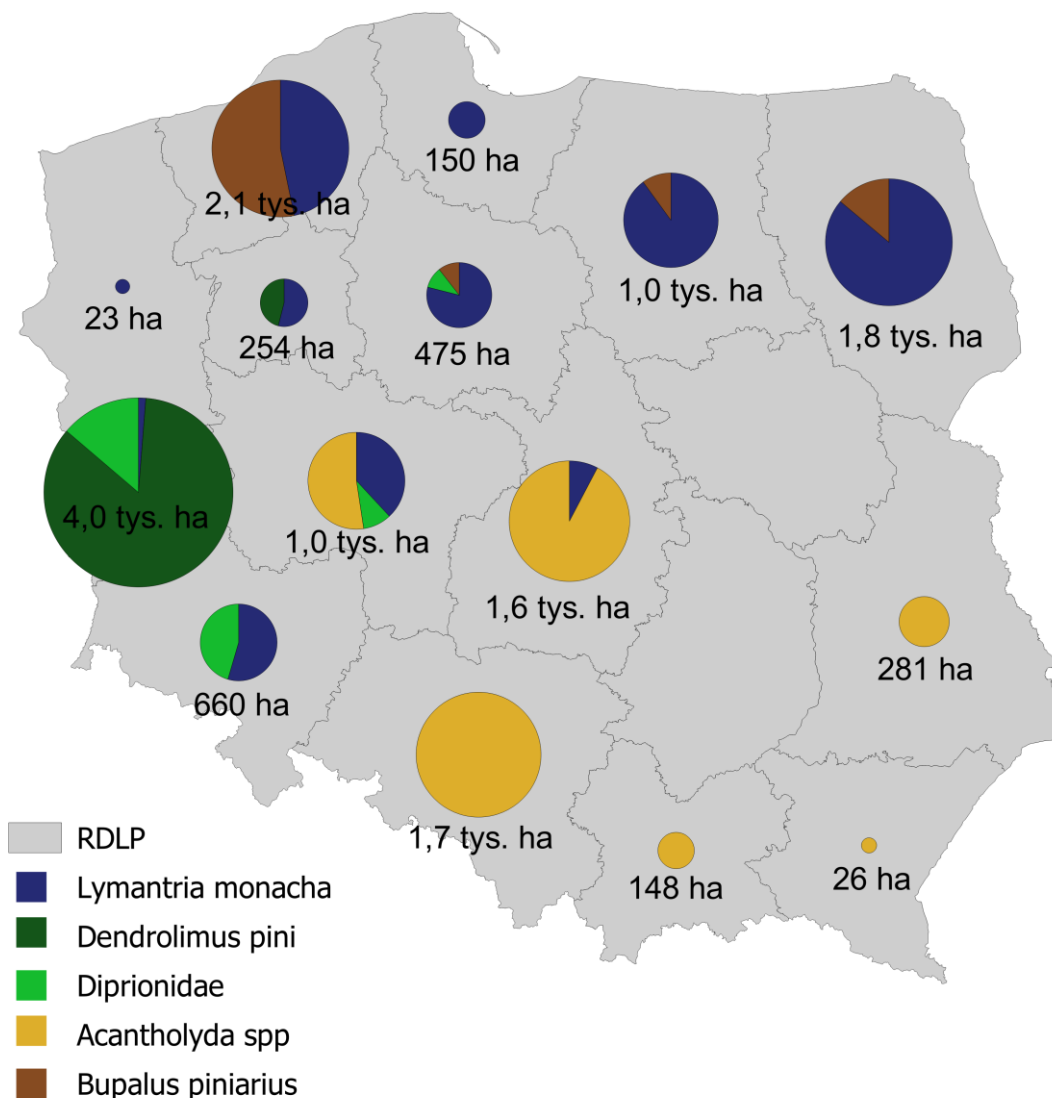
- brak
- 0,1 - 5 000
- 5 000,1 - 10 000
- 10 000,1 - 20 000
- > 20 000 ha



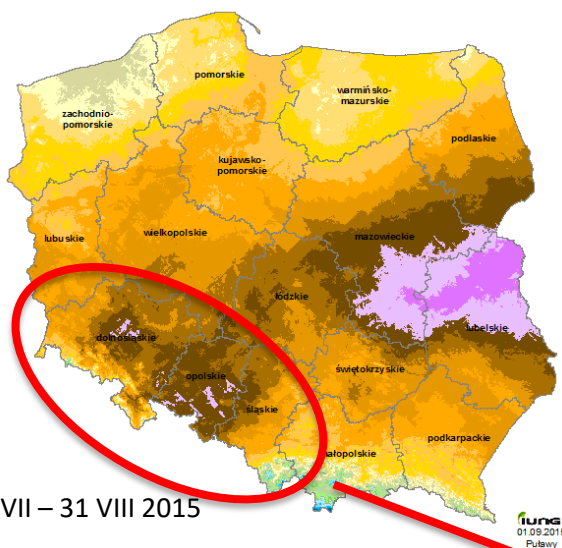
**Celkově
70 tis. ha,**

Borovice – 27 tis. ha:

L. monacha – 5 tis. ha
Acantholyda spp. – 4 tis. ha
D. pini – 3,5 tis. ha

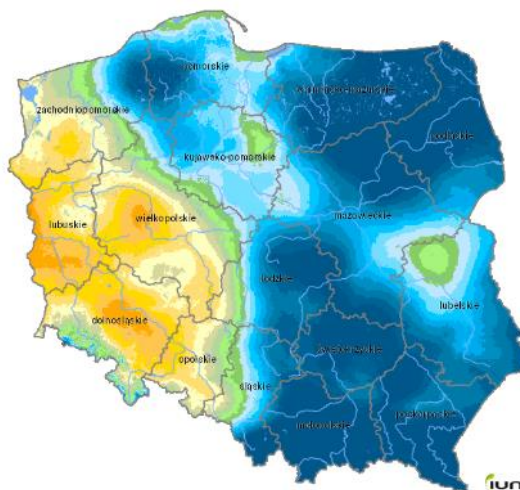


Sucho



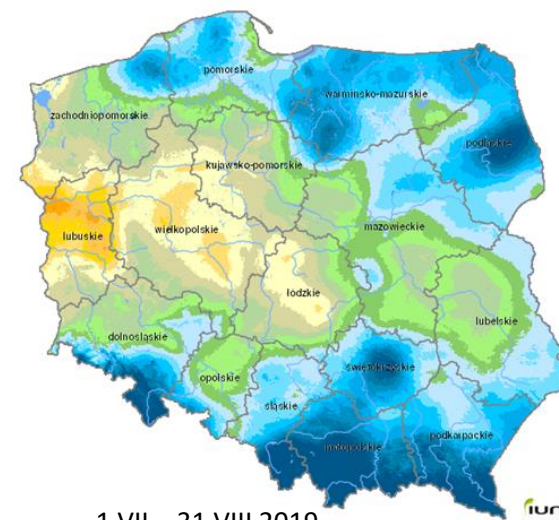
1 VII – 31 VIII 2015

iung
01.09.2015
Puławy



1 VII – 31 VIII 2018

iung
2018-09-04
Puławy



1 VII – 31 VIII 2019

iung
2019-09-03
Puławy

KBW [mm]

-259 - -250
-249 - -240
-239 - -230
-229 - -220
-219 - -210
-209 - -200
-199 - -190
-189 - -180
-179 - -170
-169 - -160
-159 - -150
-149 - -140
-139 - -130
-129 - -120
-119 - -110
-109 - -100
-99 - -90
-89 - -80
-79 - -70
-69 - -60
-59 - -50
> -50

KBW

Klimatyczny Bilans Wodny

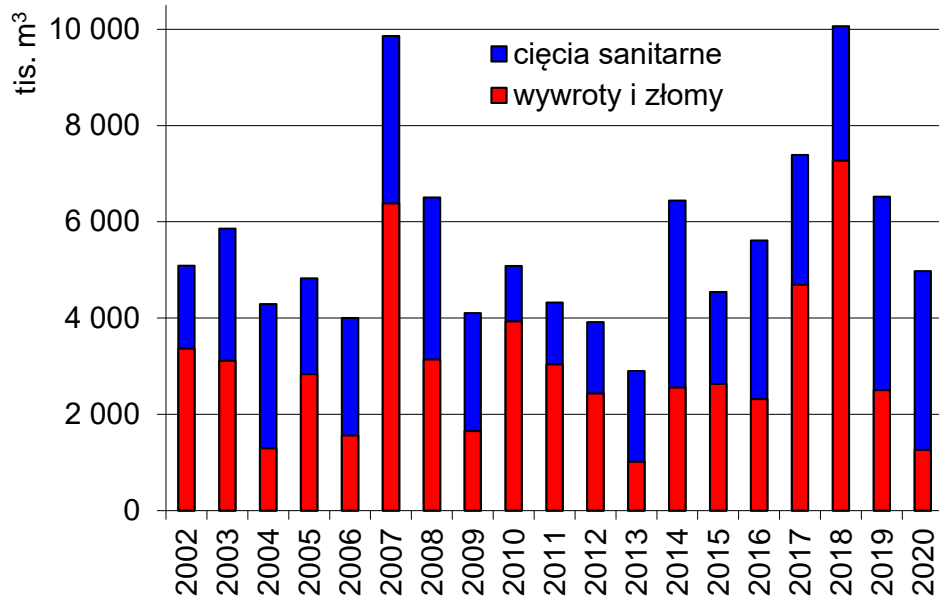
Srążky - evapotranspiracja



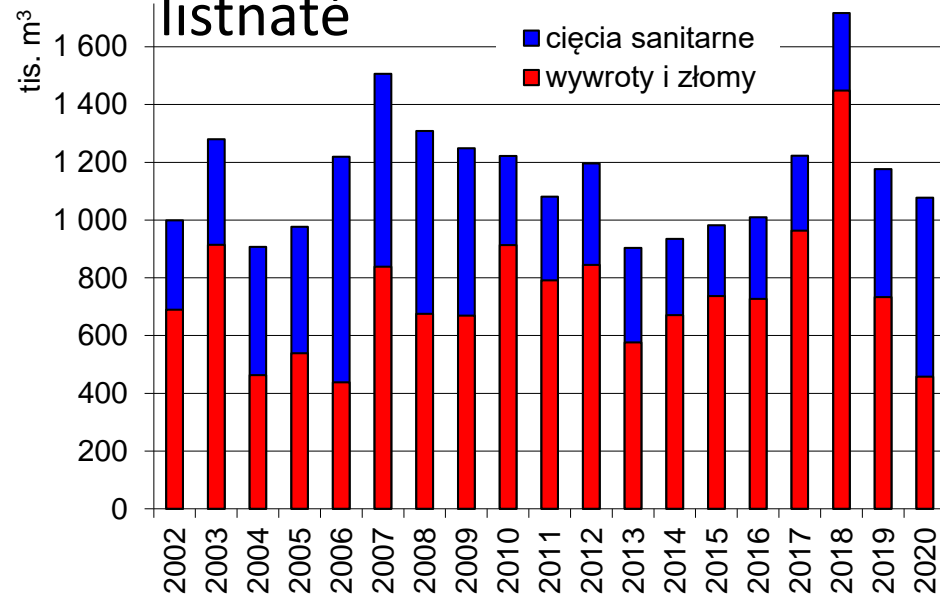
1 VII – 31 VIII 2020

iung
2020-09-02
Puławy

jehličnaté

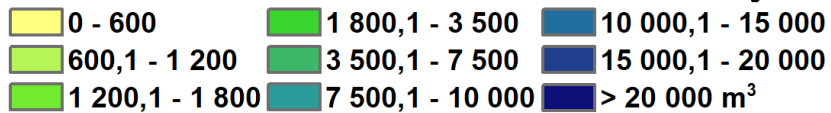
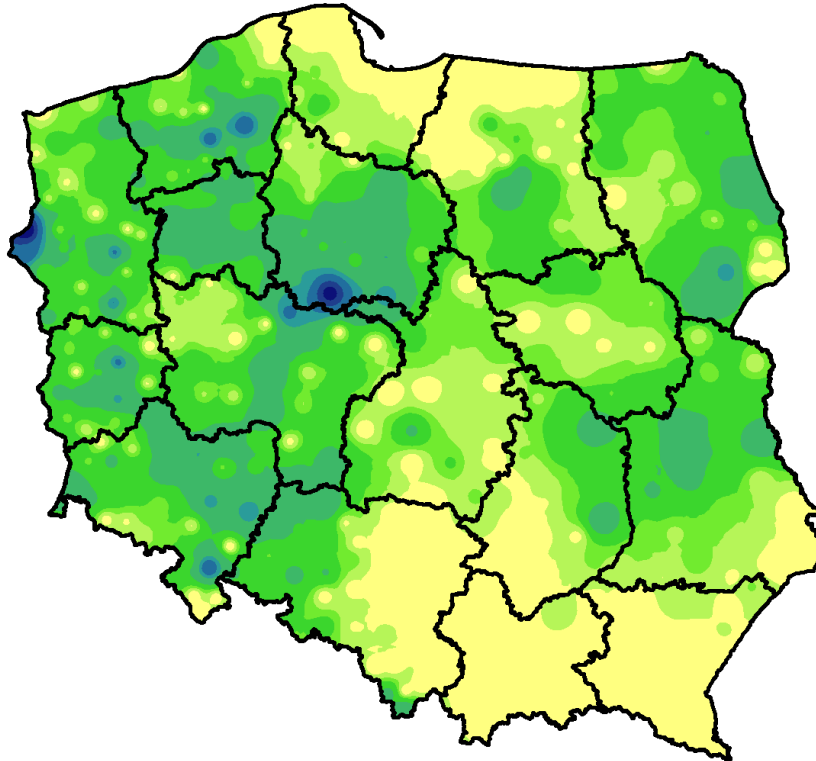


listnaté

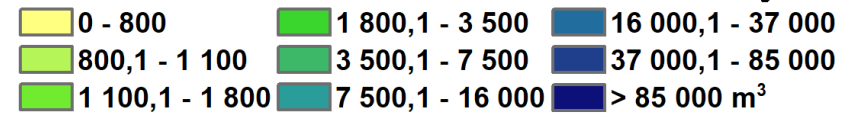
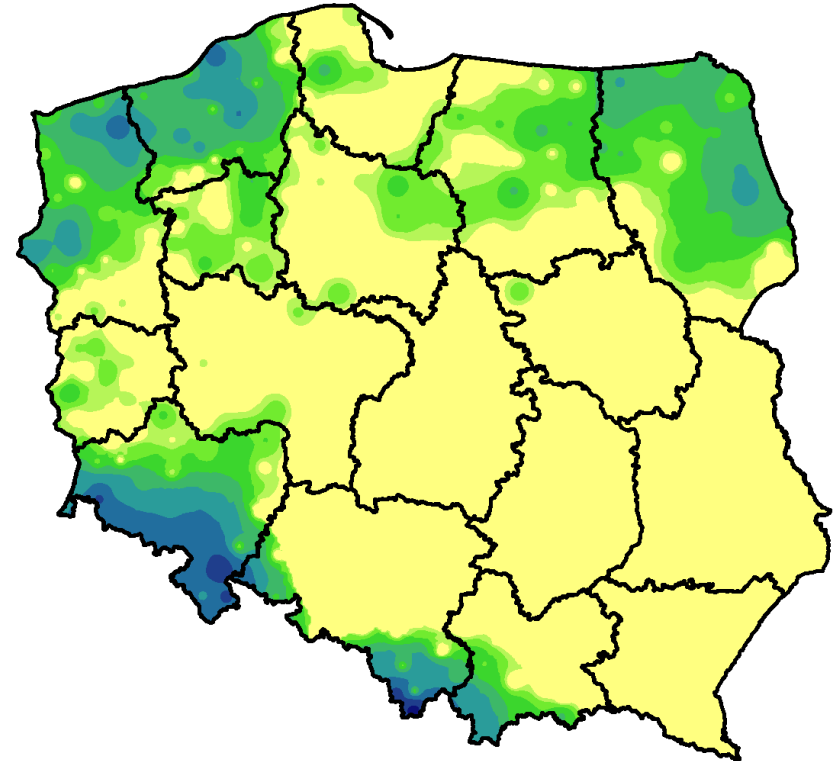


Ips acuminatus (Gyll.)

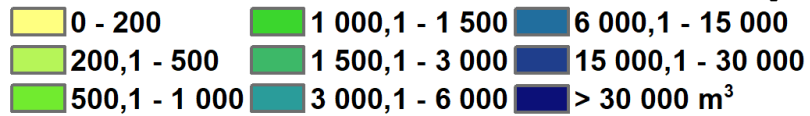
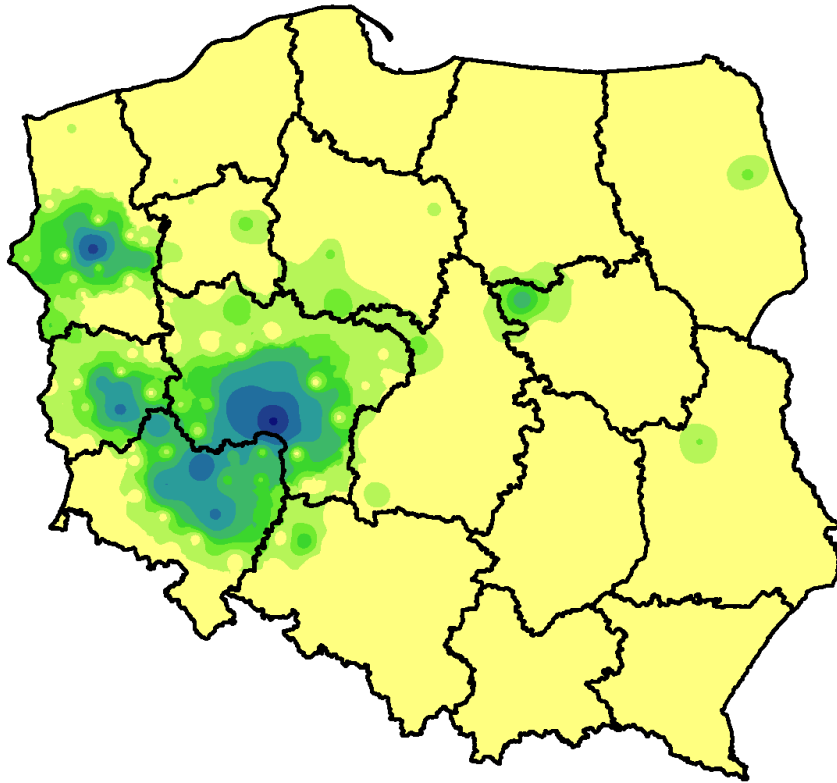
borovice



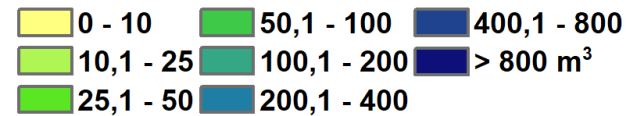
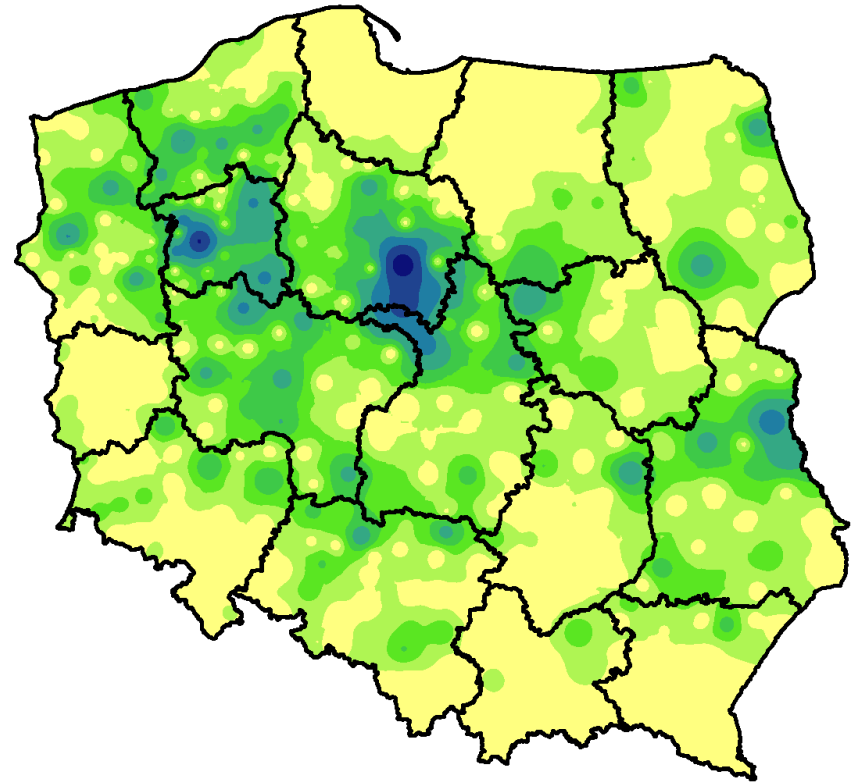
smrk



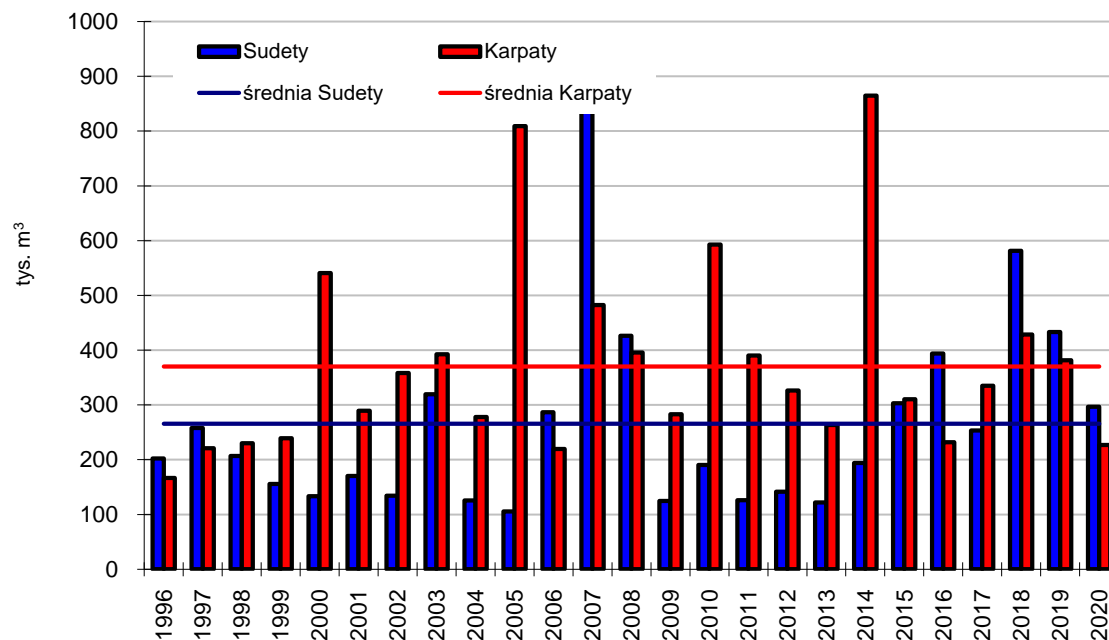
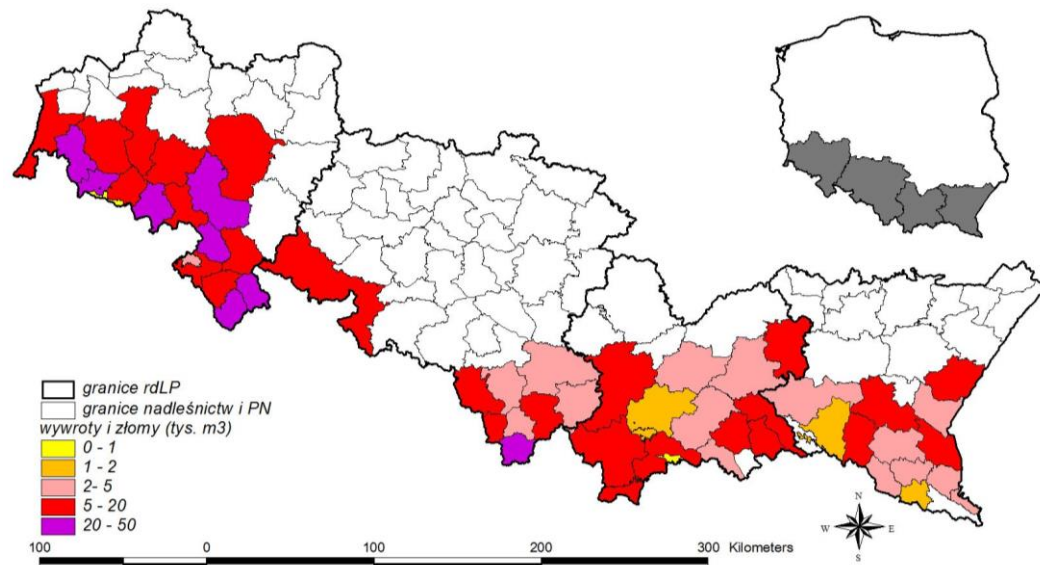
dub



bříza

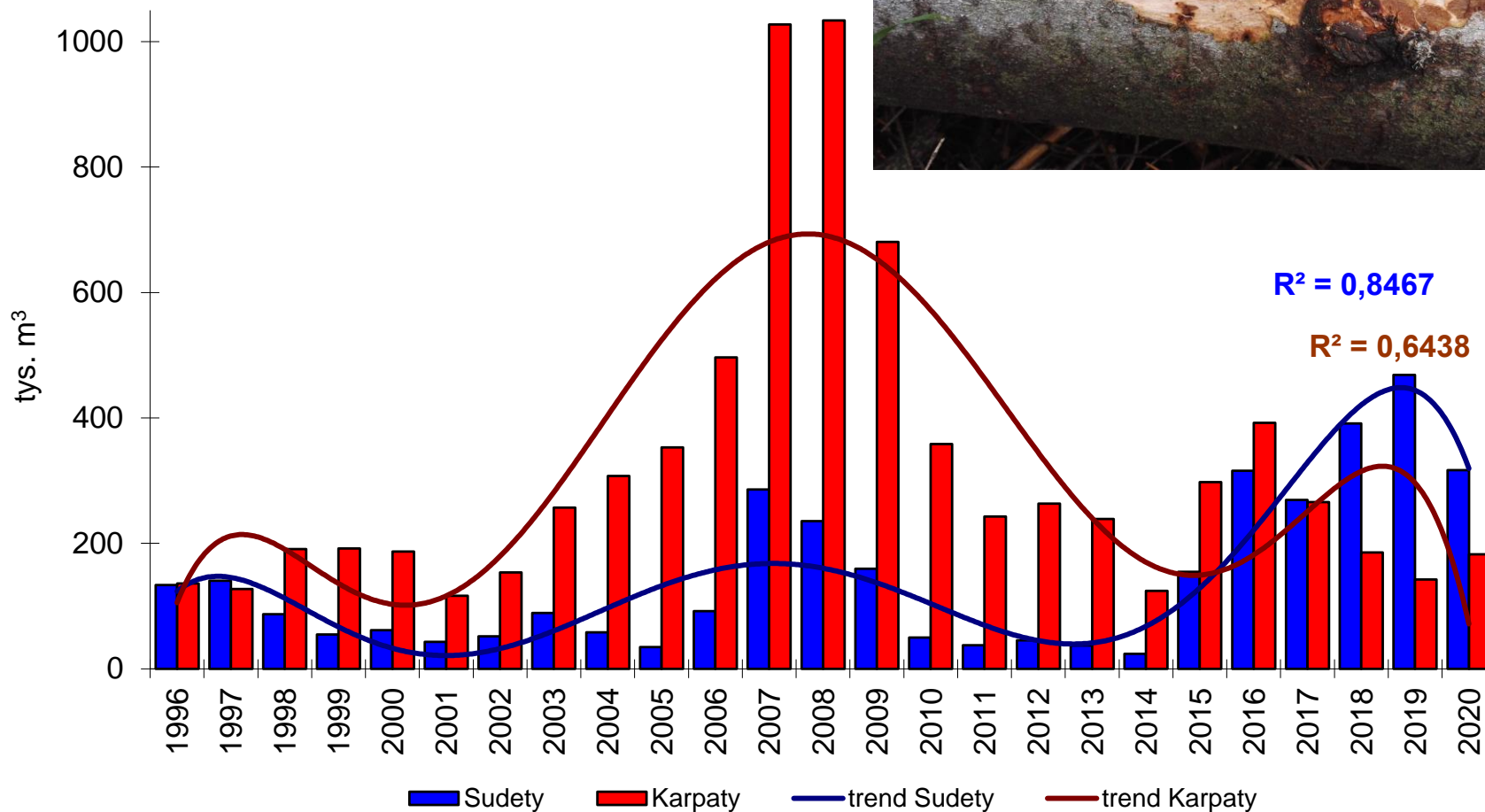


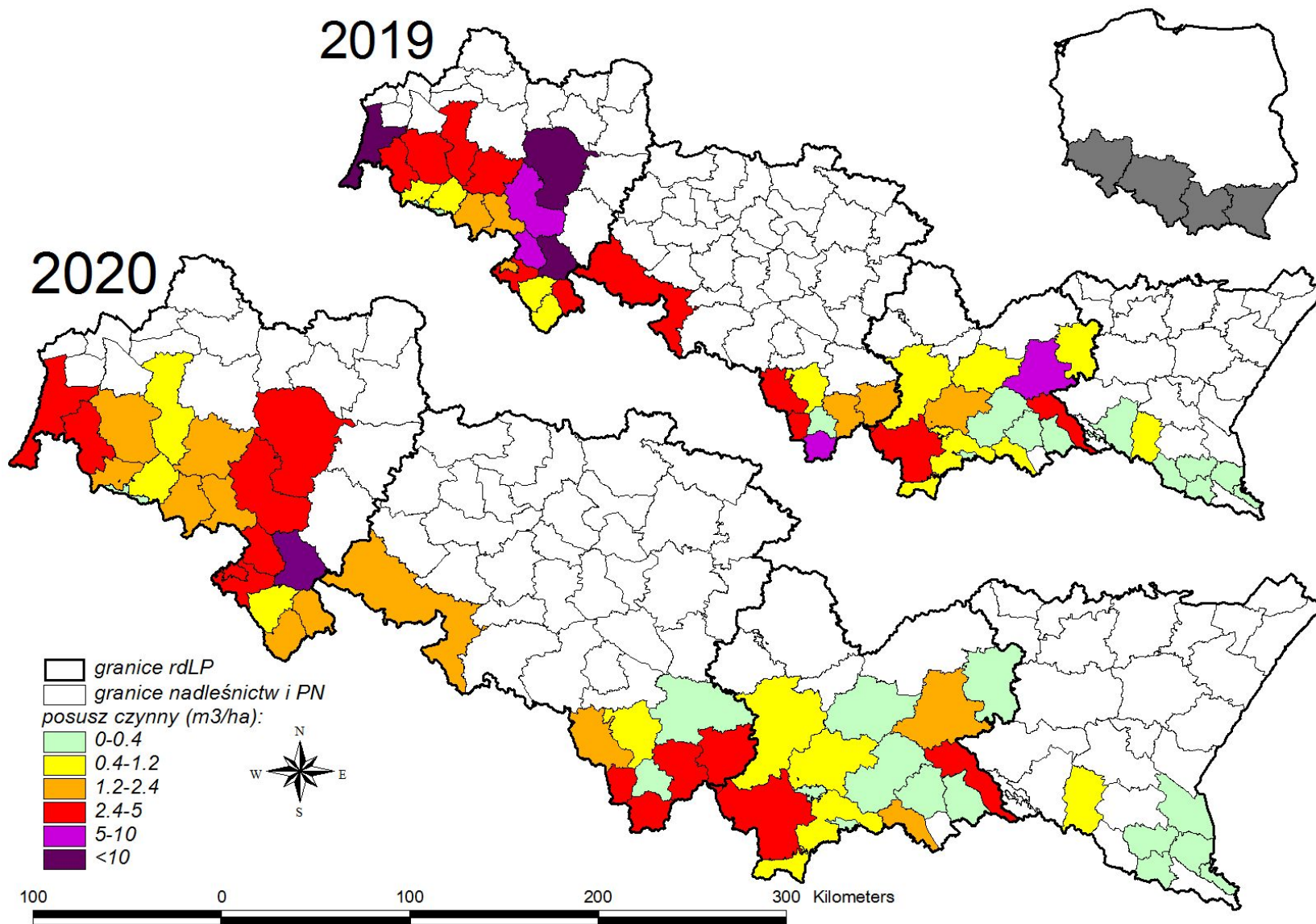
Horské lesy



RDLP	abiotičtí			biotičtí	
	vodní režim	vítr	sníh	<i>Armillaria</i>	<i>Heterobasidion</i>
	2020				
Wrocław	11 377	6 344	22	18 929	41 479
Katowice	23	1	10	22 826	440
Kraków	15	1	10	373	365
Krosno	15	92	0	280	380
	2019				
Wrocław	15 913	7 964	5 050	15 450	37 933
Katowice	174	84	475	23 973	391
Kraków	45	351	106	371	363
Krosno	3	5	0	268	324

Smrkové kůrovcové dříví





Objem (m³/ha) smrkového kůrovcového dříví v letech 2019 a 2020

***Cephalcia* spp.**

- Karpaty – latence
- Sudety: 0/+ 31 ha

***Zeiraphera griseana* (Hb.)** – latence

***Lymantria monacha* (L.)** (borovice)

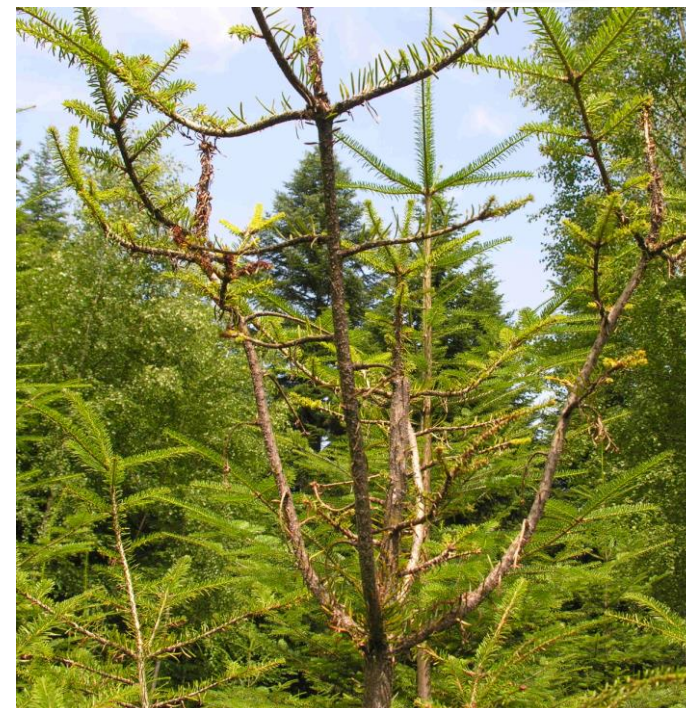
- Karpaty – latence
- Sudety: 300 ha, 0/+ 120 ha,

***Dreyfusia nordmannianae* Eckst.**

- Karpaty: 504 ha

***Dreyfusia piceae* (Ratz.)**

- Karpaty: 219 ha



1. Další působení sucha z roku 2015 a 2018-2019:
 - Stres – oslabení porostů,
 - Houbové patogeny, jmelí bílé,
 - Zhoršení zdravotního stavu.
2. Listožravý hmyz (borovice, listnaté).
3. Zvýšená disponibilita pro podkorní hmyz.
4. Stále zvýšená jeho populační hustota.

5. **Podkorní hmyz zůstava hlavním problémem v polských lesích v r. 2021. Od roku 2016 postupný vývoj přemnožení (jehličnaté a listnaté).**



Děkuji.