

Peat resources in Latvia and EU their role in national economy

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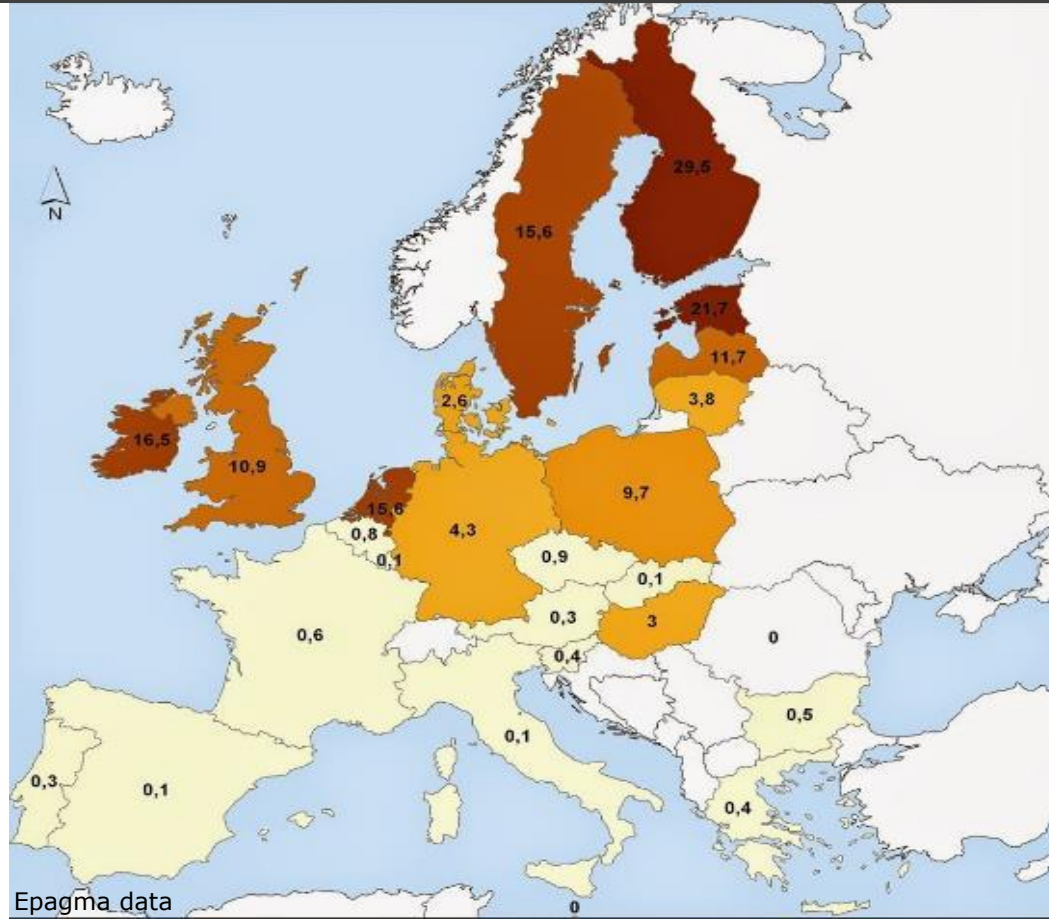
IMPORTANCE OF PEATLANDS AND PEAT USE

In a global context, peatlands play an important part among all available natural resources, and also are crucial for the conservation of ecosystems and biodiversity.

Sustainable development is characterized by three interrelated dimensions – environmental, economic, and social.

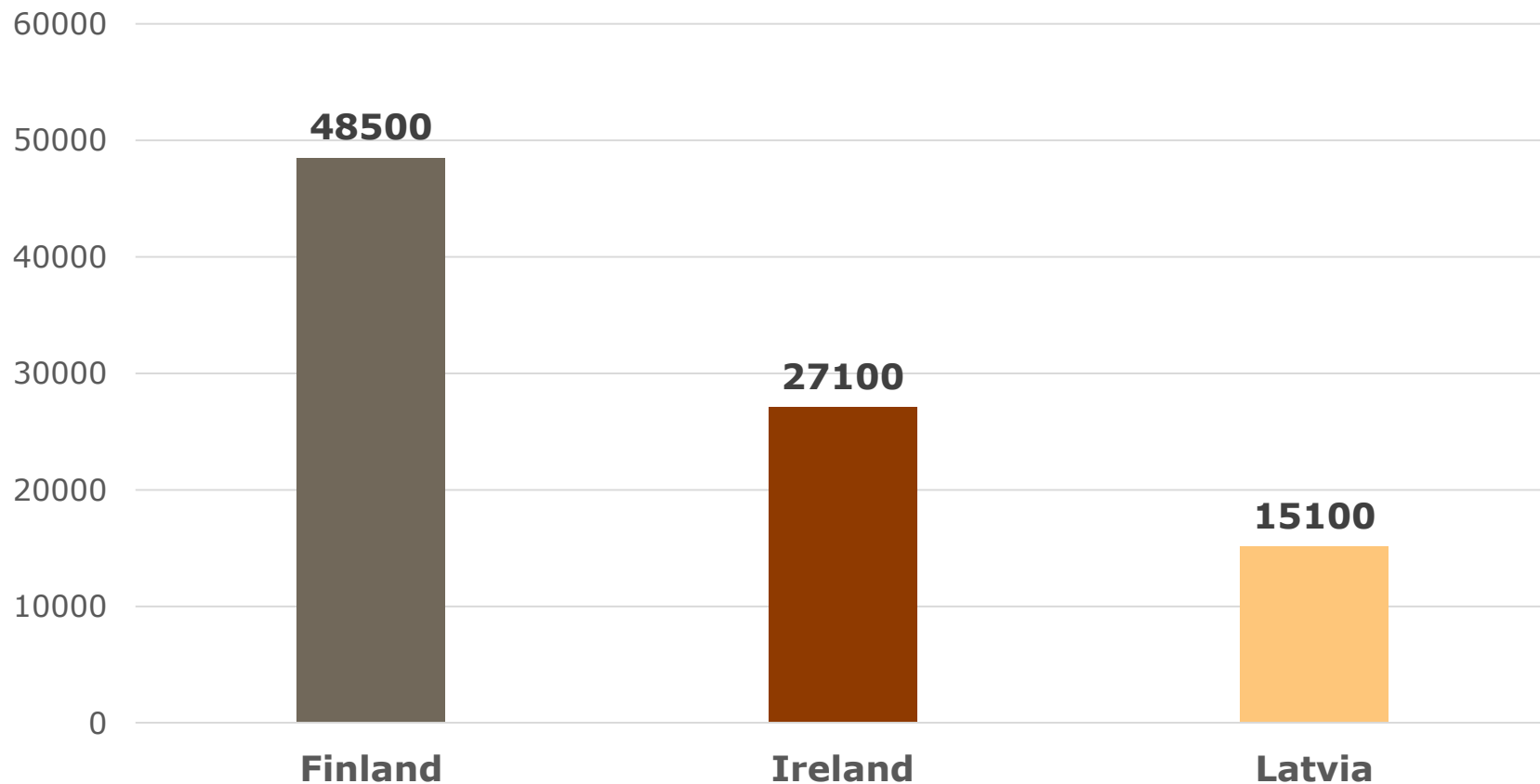


PEATLAND AREA BY COUNTRY IN EU %

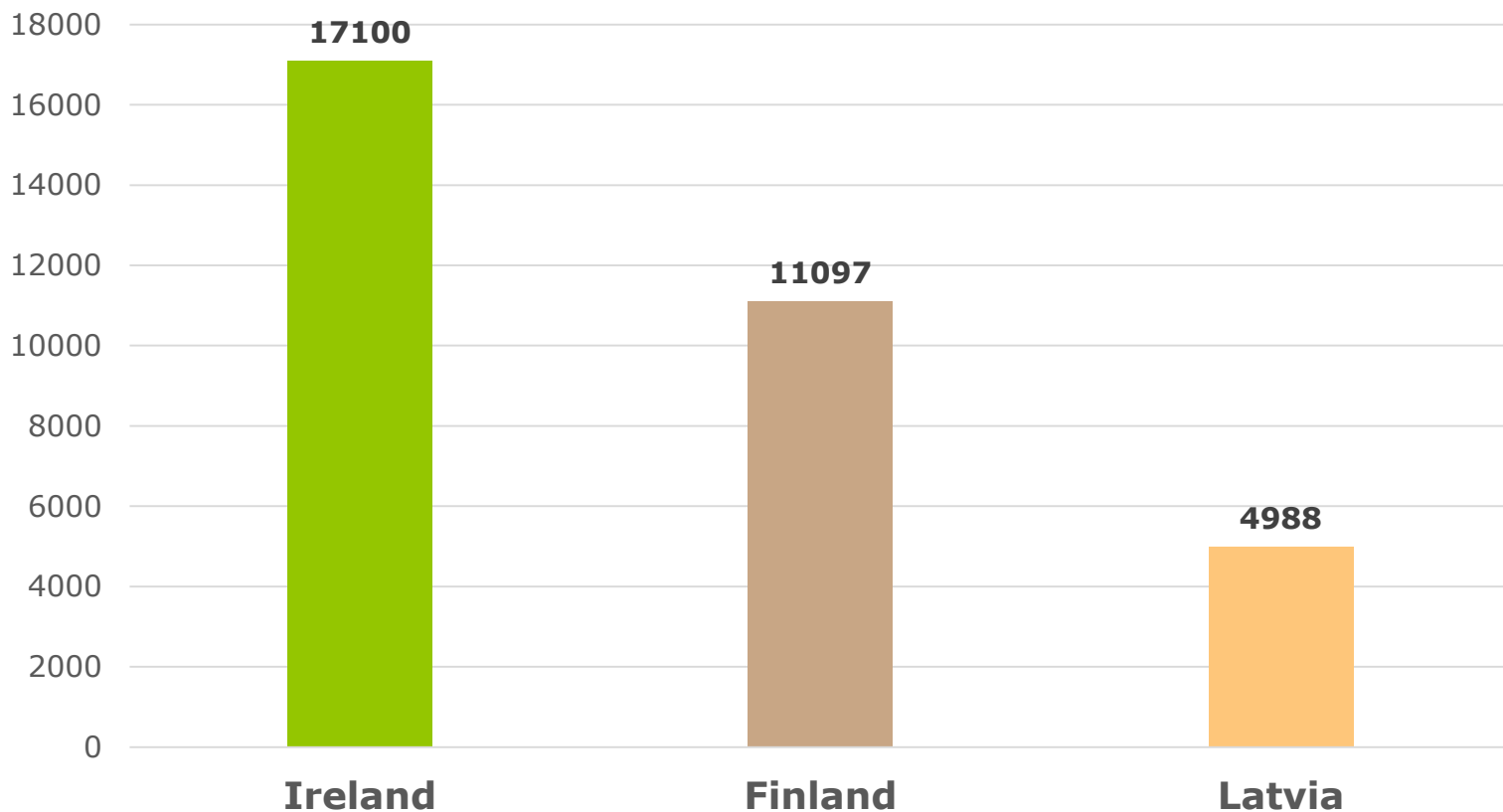


Place	Country	Peatland area, km²	Total theritory of Country, km²	Peatlands from the theritory %
1.	Russia	1 390 000	17 100 000	8
2.	Canada	1 100 000	9 985 000	11
3.	USA	625 000	9 834 000	6
4.	Indonesia	207 000	1 905 000	11
5.	Finland	89 000	338 145	26
6.	Sweden	66 000	447 435	15
7.	Norway	28 000	385 178	7
8.	Belarussia	24 000	207 600	12
9.	United Kingdom	17 500	243 610	7
10.	Germany	14 000	357 376	4
11.	Poland	12 000	312 679	4
12.	Ukraine	10 000	603 628	2
13.	Estonia	9 000	45 339	20
14.	Latvia	6 782	64 589	10
15.	Lithuania	3 500	65 300	5

TOP 3 countries from extraction area in EU 2017, ha



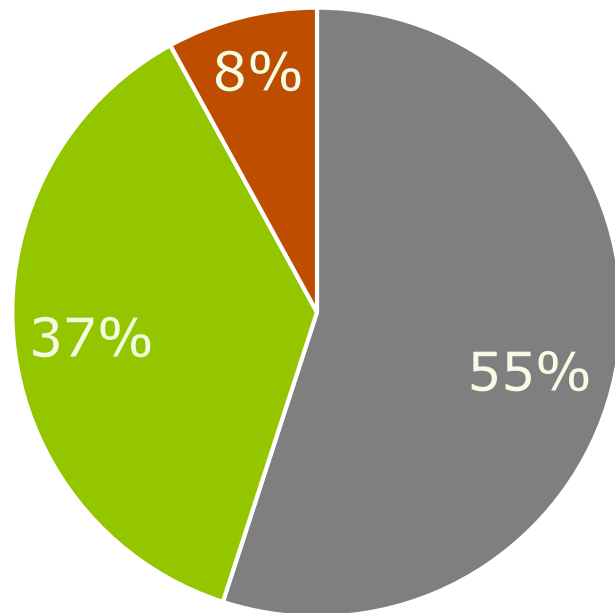
TOP 3 EU countries - peat extraction volume milj m³



total volume of peat extraction in the European Union was ~47 000 million m³

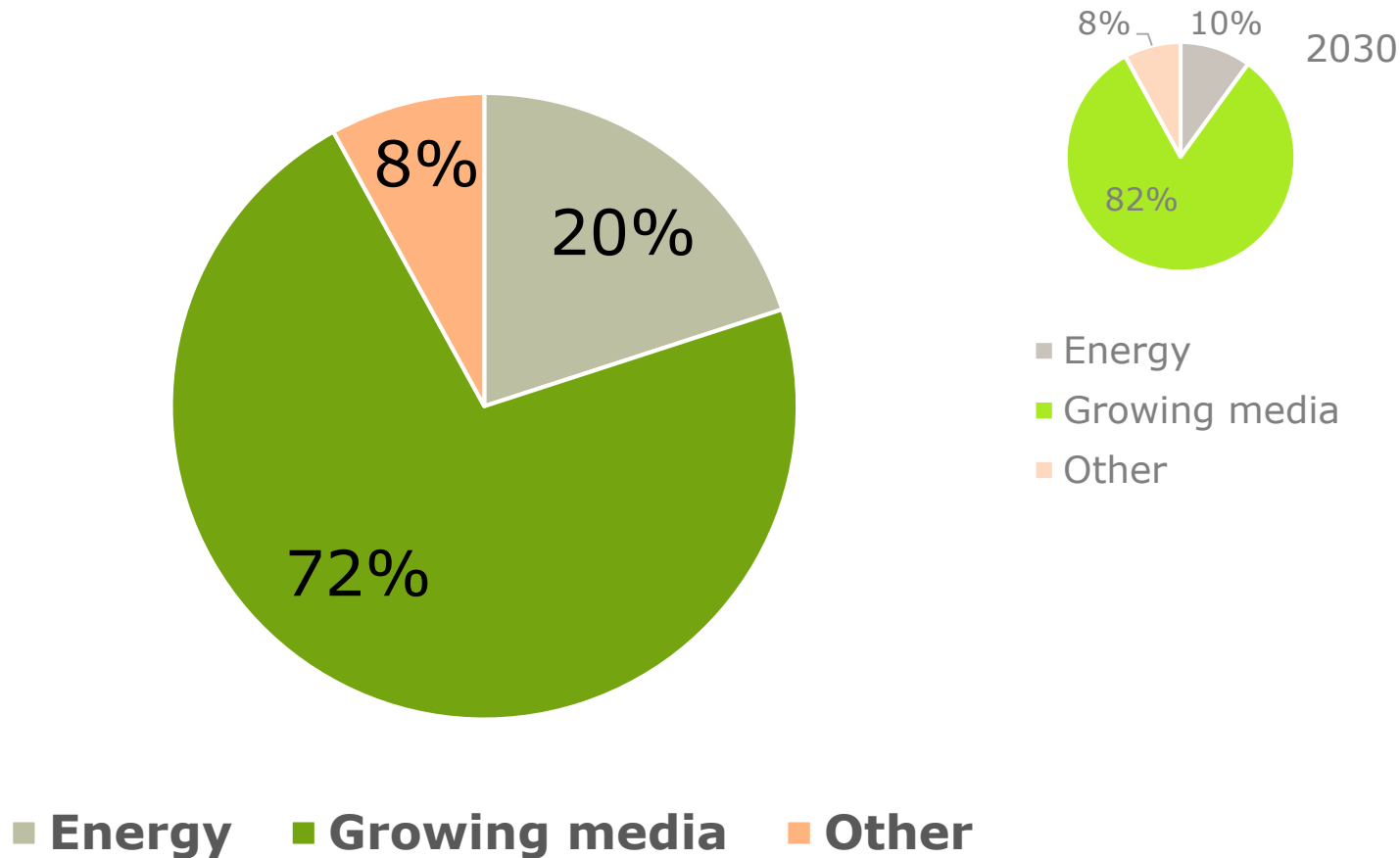
Peat Extraction Volume EU 2017			
Country	Peat extraction volume th m³	Horticulture th m³	Energy th m³
Ireland	17 100	4 100	13 000
Sweden	3 100	1 700	1 400
Finland	11 097	1 000	9 500
Estonia	3 784	2 648	1 135
Latvia	4 988	4 900	100
Lithuania	2 500	1 788	712
Germany	4 400	4 400	0

PEAT USE IN EUROPE 2017



■ Energy ■ Growing media ■ Other

PEAT USE IN EUROPE 2023 ???



PEAT AND HORTICULTURE

Peat is needed for growing media to grow vegetables, tree seedlings – forest, ornamentals

Horticulture industry is still depending on peat

No alternative material



OUTCOME OF 1m³ OF PEAT

7 000 vegetable seedlings
16t cucumbers
32t tomatoes

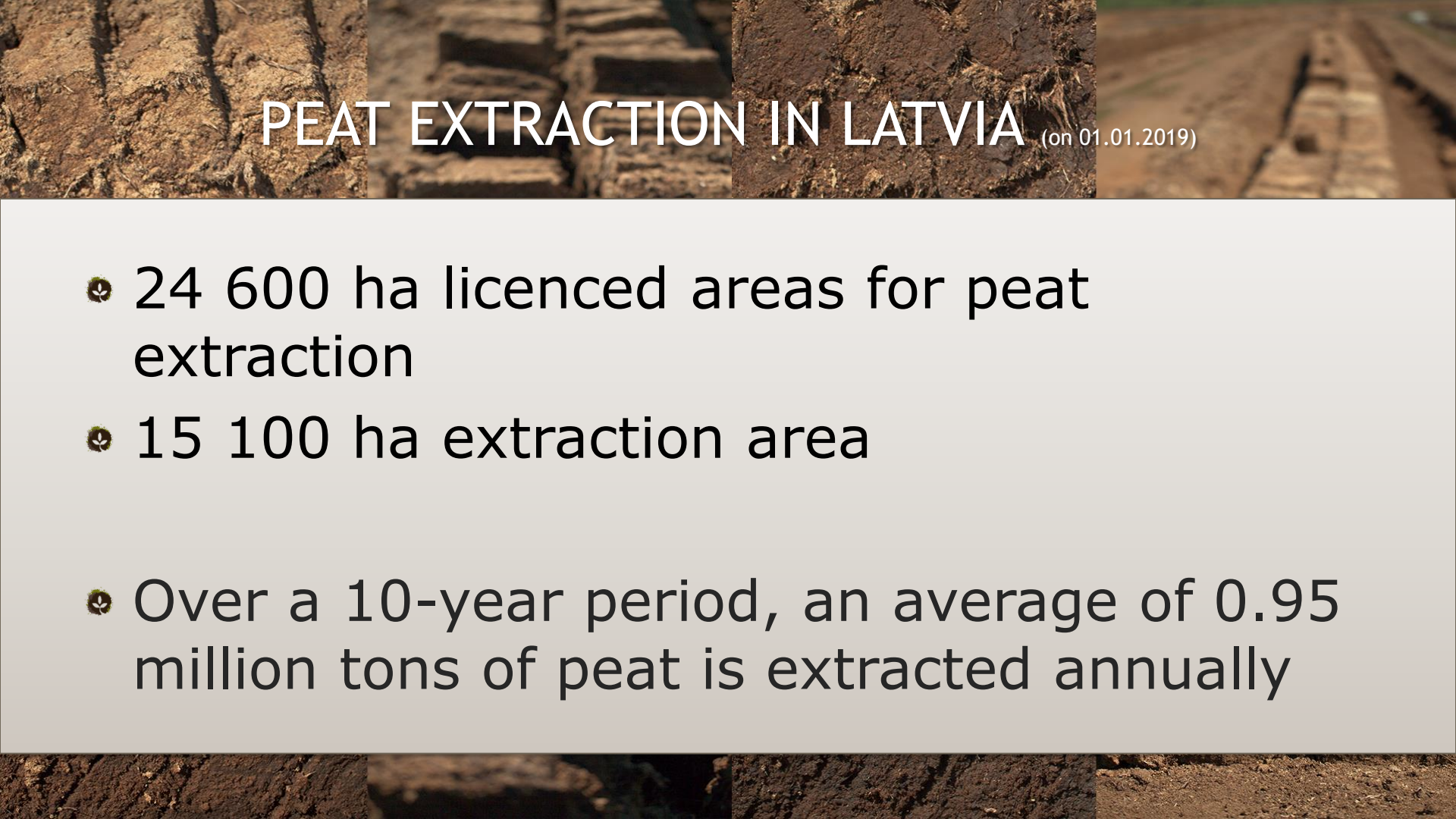
1m³ peat
6 000 tree seedlings

6 000 tree seedlings
3ha forest

1m³ peat
7 000 vegetable seedlings

1ha forest in
50 years
370 t CO₂





PEAT EXTRACTION IN LATVIA

(on 01.01.2019)

- 24 600 ha licenced areas for peat extraction
- 15 100 ha extraction area
- Over a 10-year period, an average of 0.95 million tons of peat is extracted annually

PEAT EXTRACTION



PEAT EXTRACTION - SEASONAL MAY-SEPTEMBER



AMOUNT OF PRECIPITATION

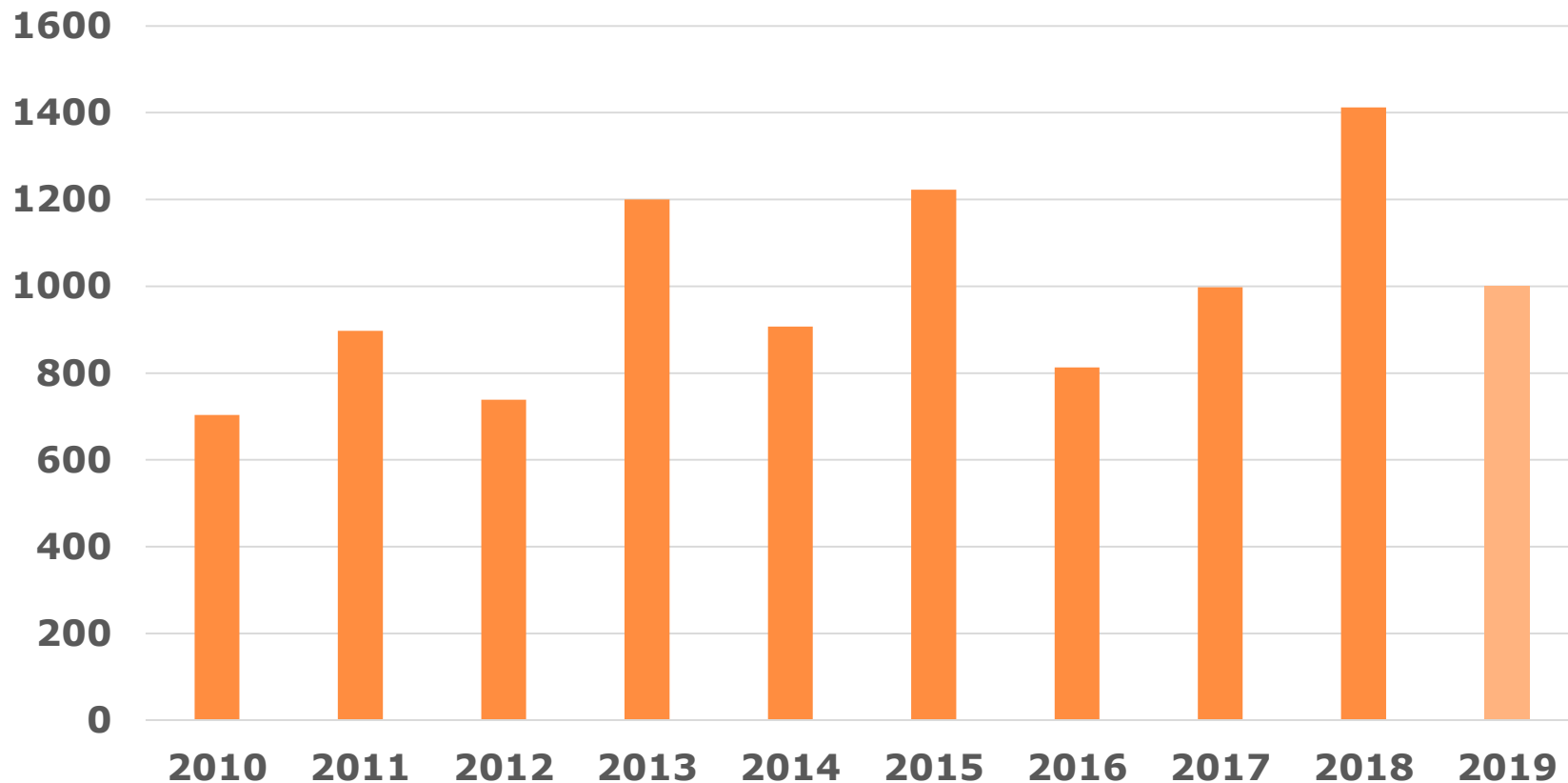
NUMBER OF SUNNY DAYS

WIND

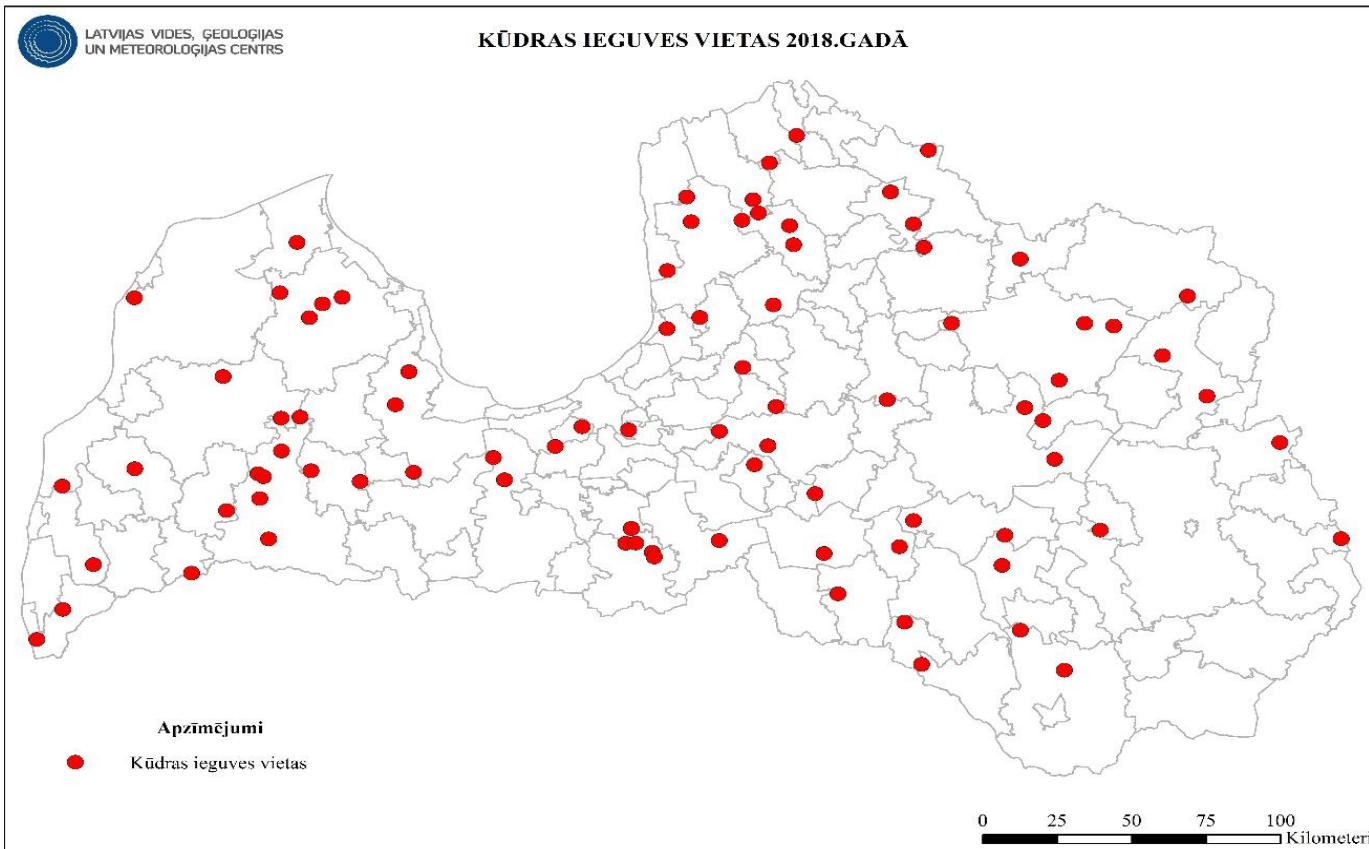
TEMPERATURE



PEAT EXTRACTION IN LATVIA 2010 – 2019 TH.T



PEAT EXTRACTION SITES 2018



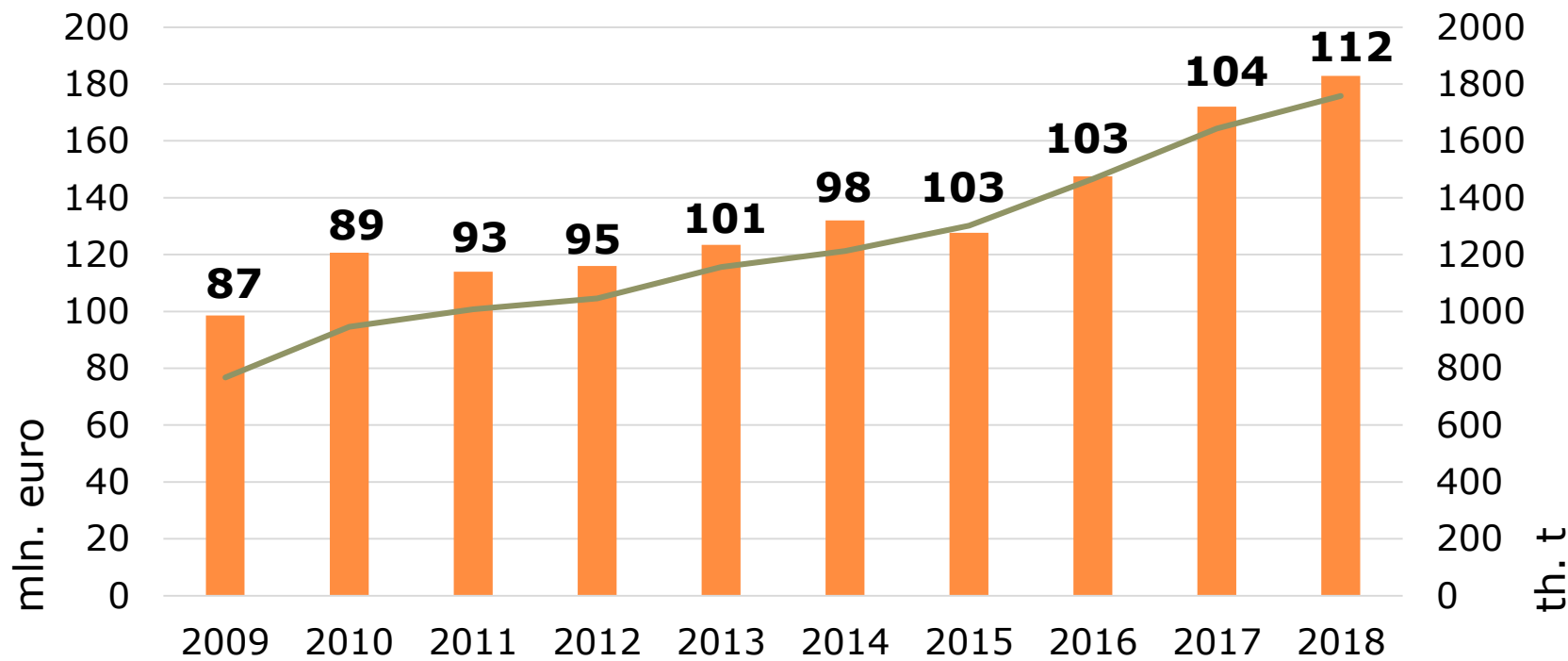
PEAT USE

- 95% horticulture
- 4% energy (private households, small heating centrals)
- 1% other
- 92% export

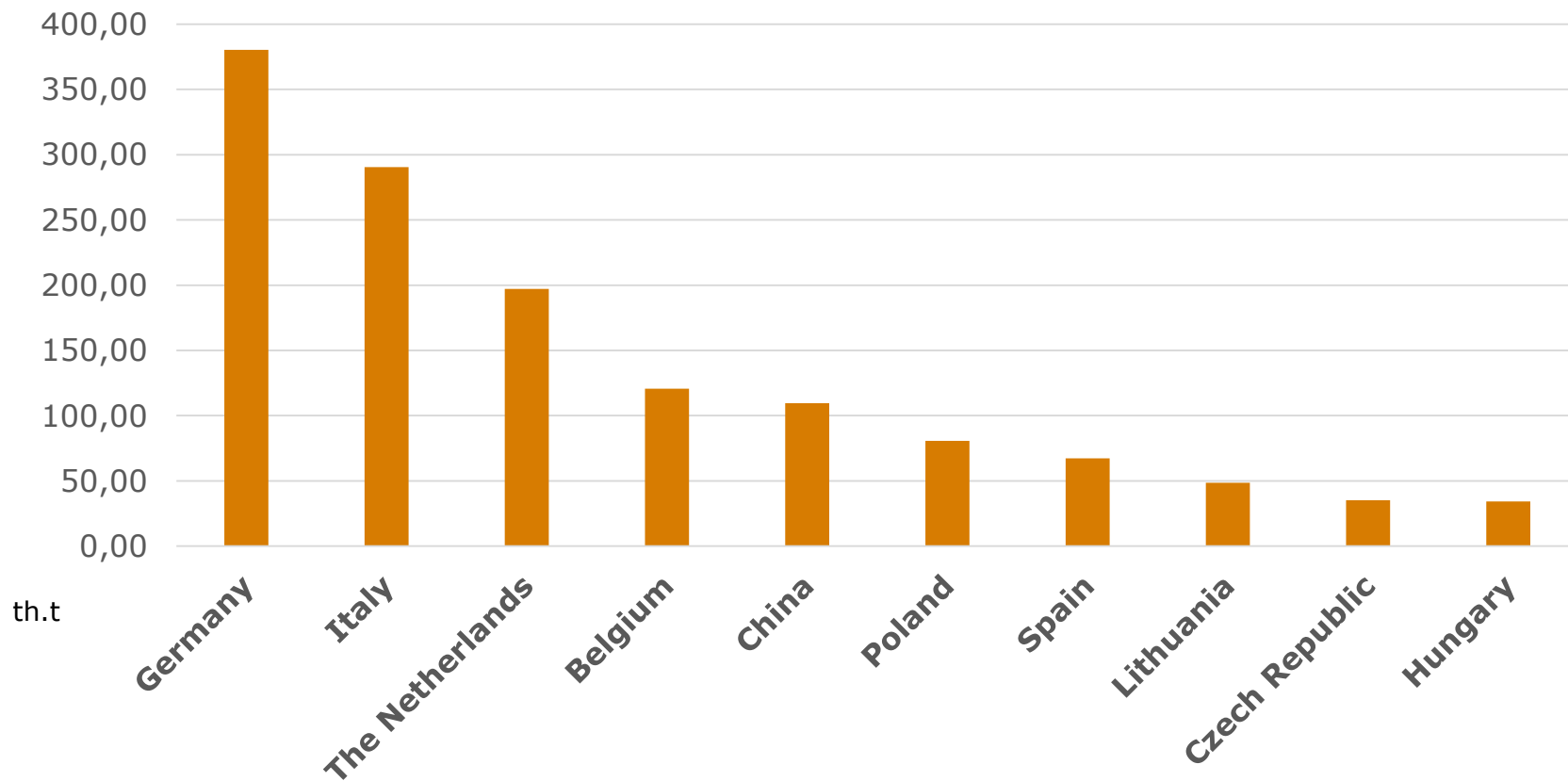
30% of
professional
peat in
Europe



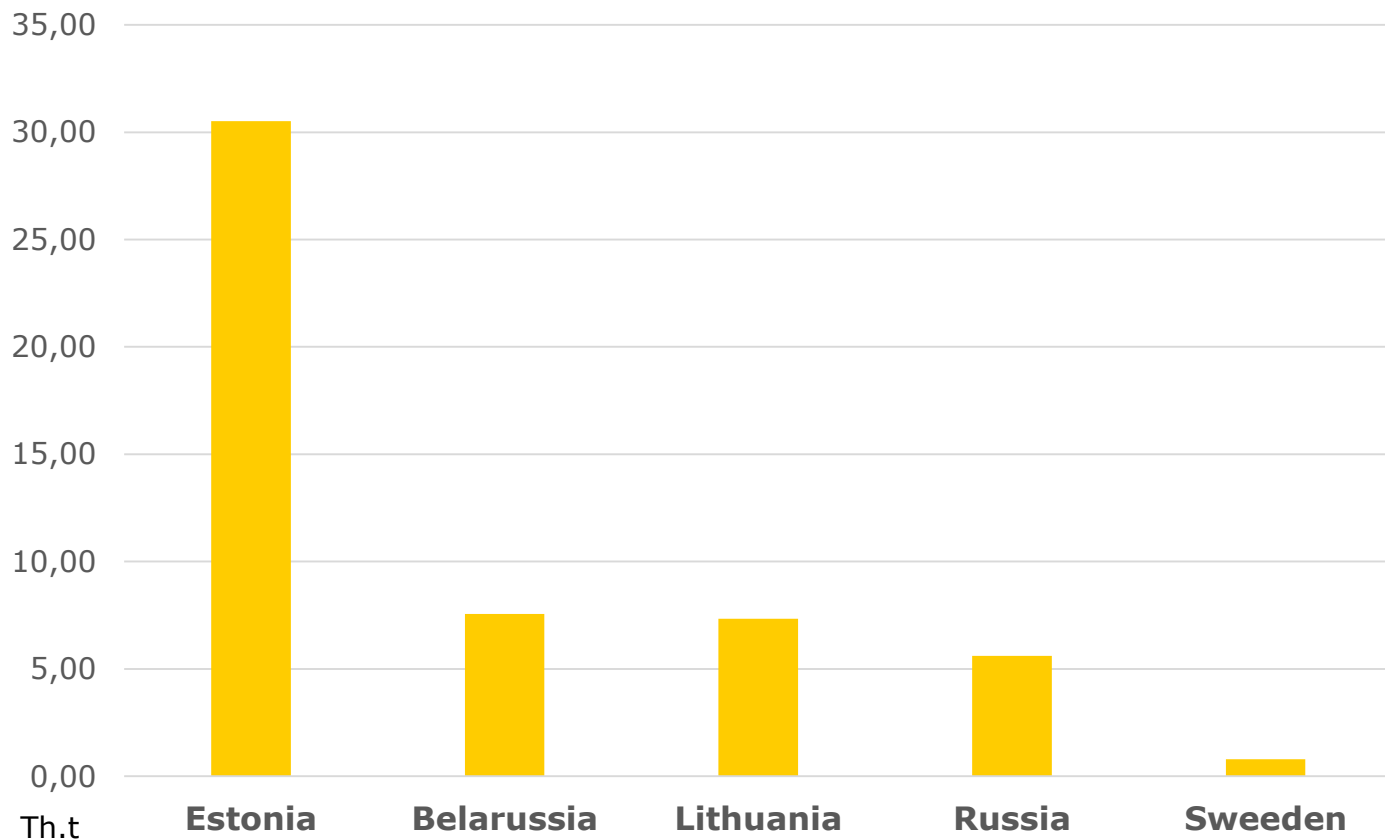
PEAT EXPORT 2008 -2018, TH.T., MLN.EURO, COUNTRIES



PEAT EXPORT 2018 TOP10, th.t/mIn EUR

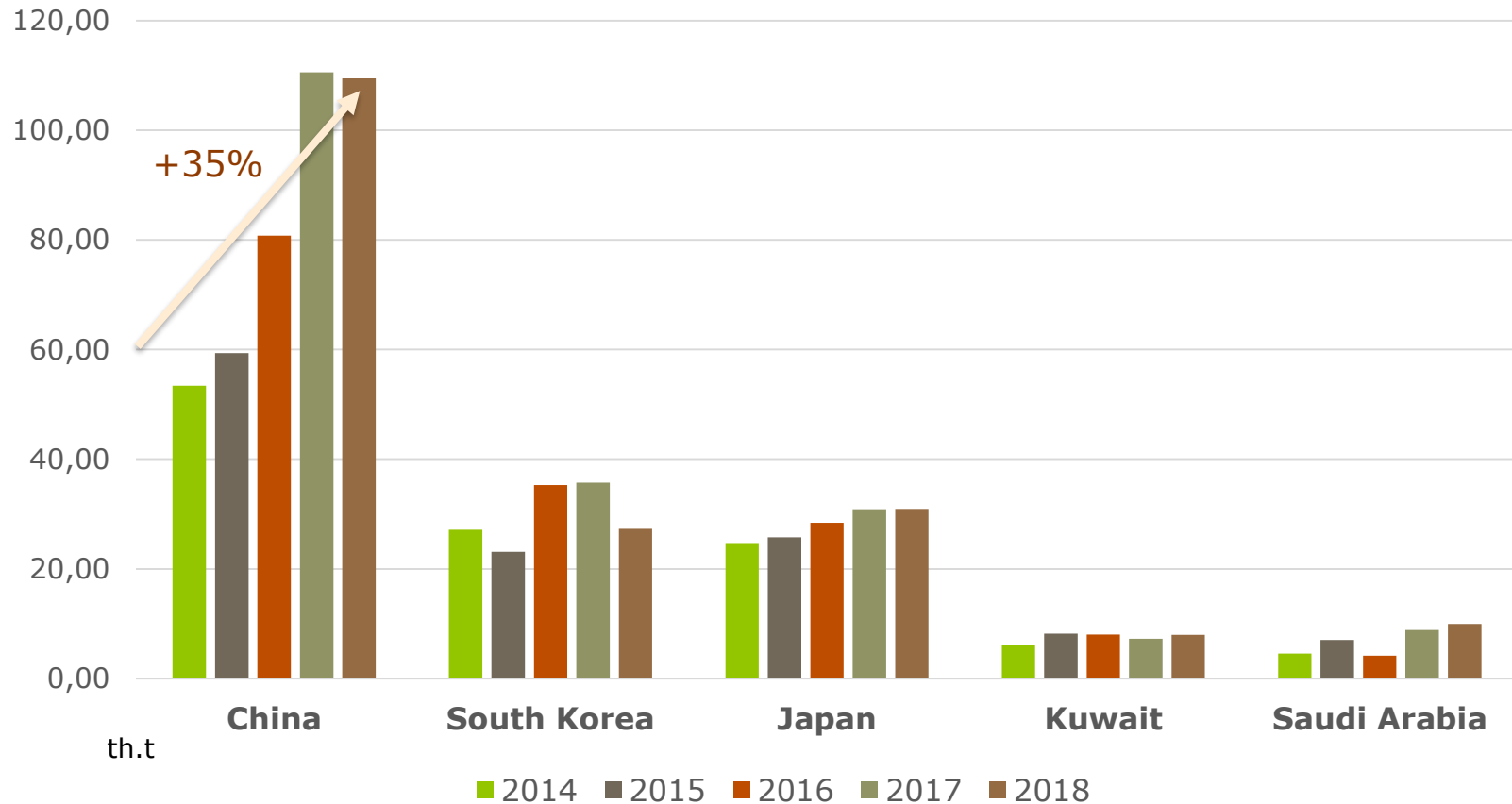


PEAT IMPORT TOP 5 2018, TH.T

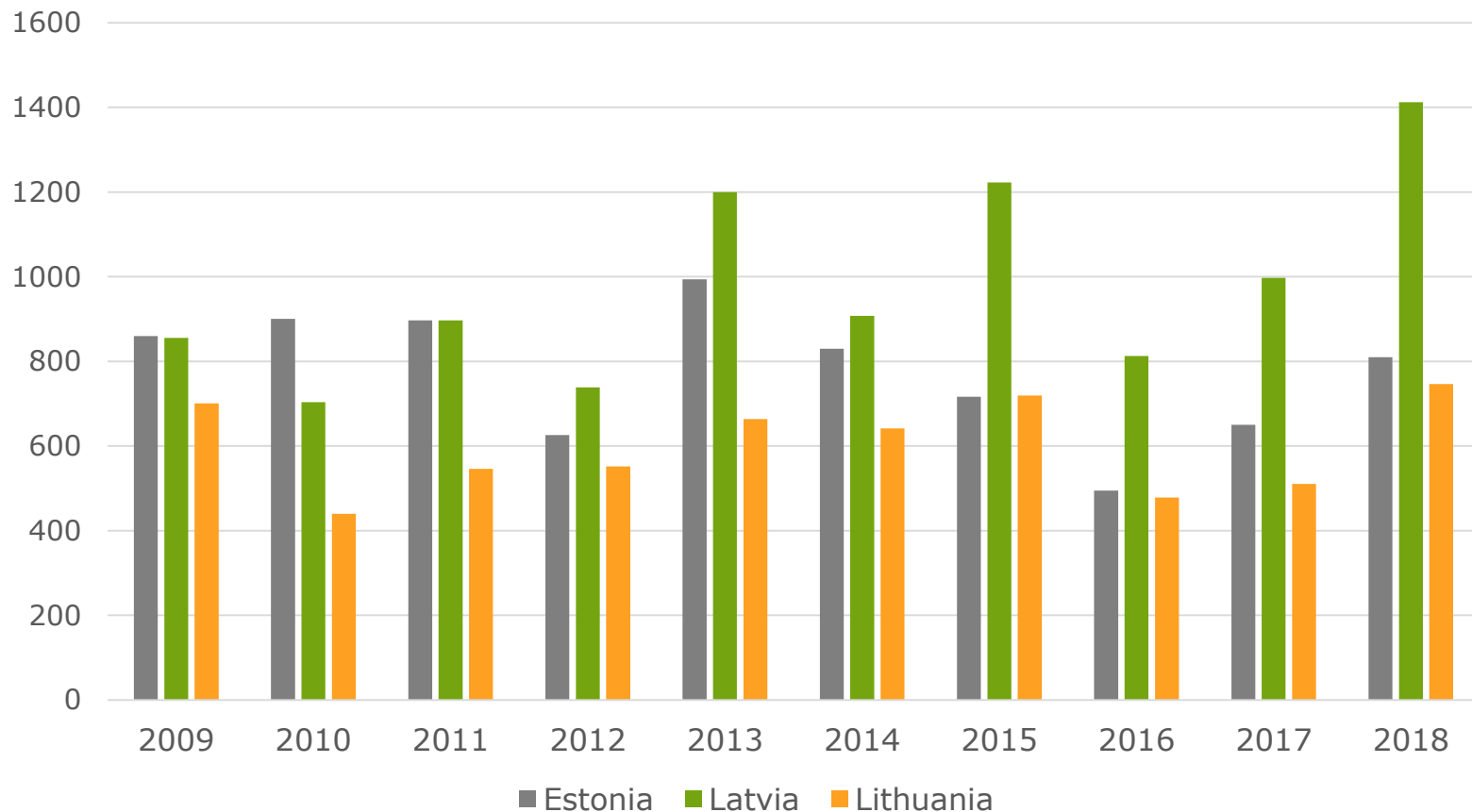


Data: CSP

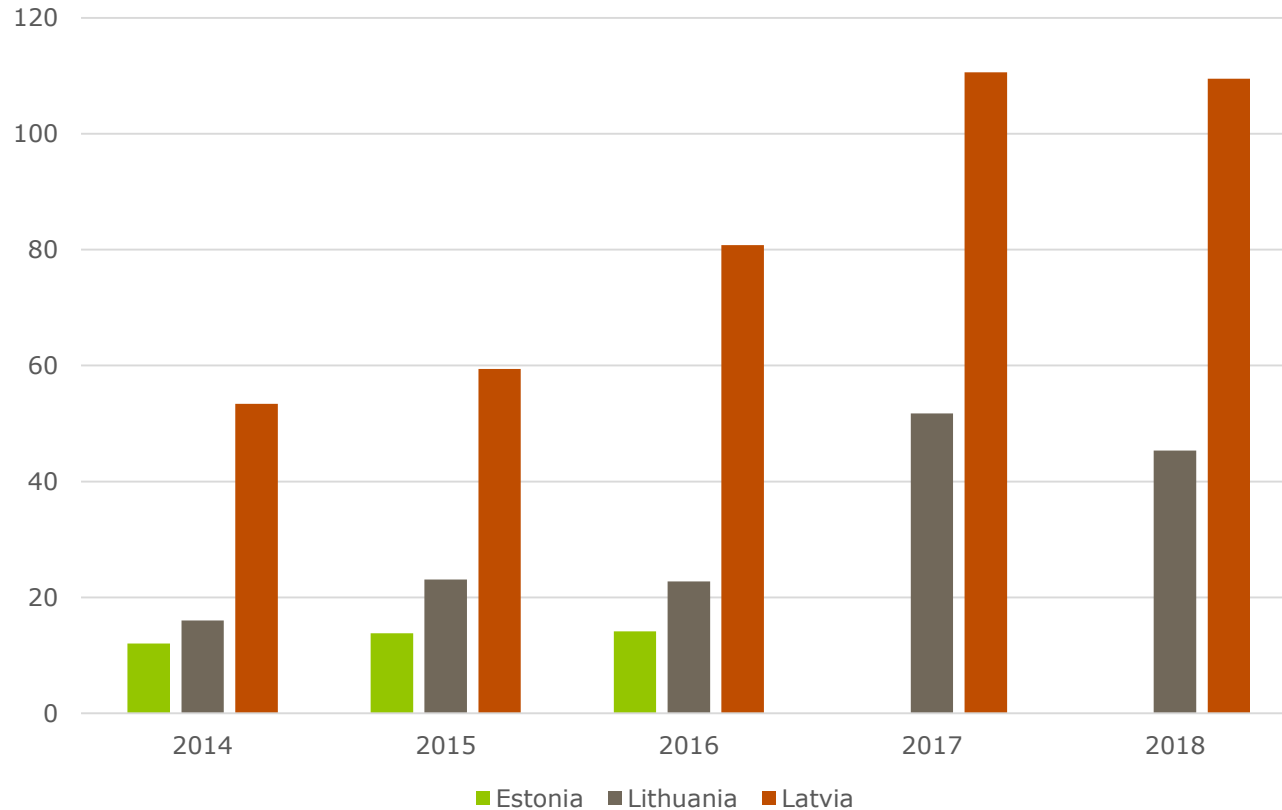
PEAT EXPORT 2014-2018 TOP5 ASIA, th.t



PEAT EXTRACTION IN THE BALTICS 2008 -2018, TH.T



PEAT EXPORT FORM BALTICS TO CHINA TH T



ACTUAL CHALLENGES

GHG emissions

- We have to reduce GHG emissions and keep industry alive
- we have to work on national factors – to confirm according to IPCC rules (uniform methodology missing, insufficient data)
- we have to try postpone accounting GHG emission from wetlands from 2026 to 2030
- all parties should be responsible for CO₂ emissions compensation question (peat extractors and growers)



POSTPONE ACCOUNTING GHG EMISSION FROM WETLANDS FROM 2026 TO 2030

Regulation (EU) 2018/841 of the European Parliament and of the Council of 30 May 2018

On the inclusion of greenhouse gas emissions and removals from land use, land use change and forestry (LULUCF) in the 2030 climate and energy framework, and amending Regulation (EU) No 525/2013 and Decision No 529/2013/EU

Article 2 Point 4

If necessary in light of experience gained with the application of the IPCC Refinement to the IPCC Guidelines, the Commission may make a proposal to postpone the mandatory accounting for managed wetland for an additional period of five years.

PEAT IN THE BIG WORLD

China 1 409 517 397 inhabitants

140 000ha glass-houses



EU

513 000 000 inhabitants

70 000ha glass-houses

ACTIONS

**Horticulture should be involved in the game,
we have to work hand in hand**

**China can play a significant role in the future
of peat industry**





THANK YOU
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