

Finnish Wind Power Statistics 2022

Finnish Wind Power Association

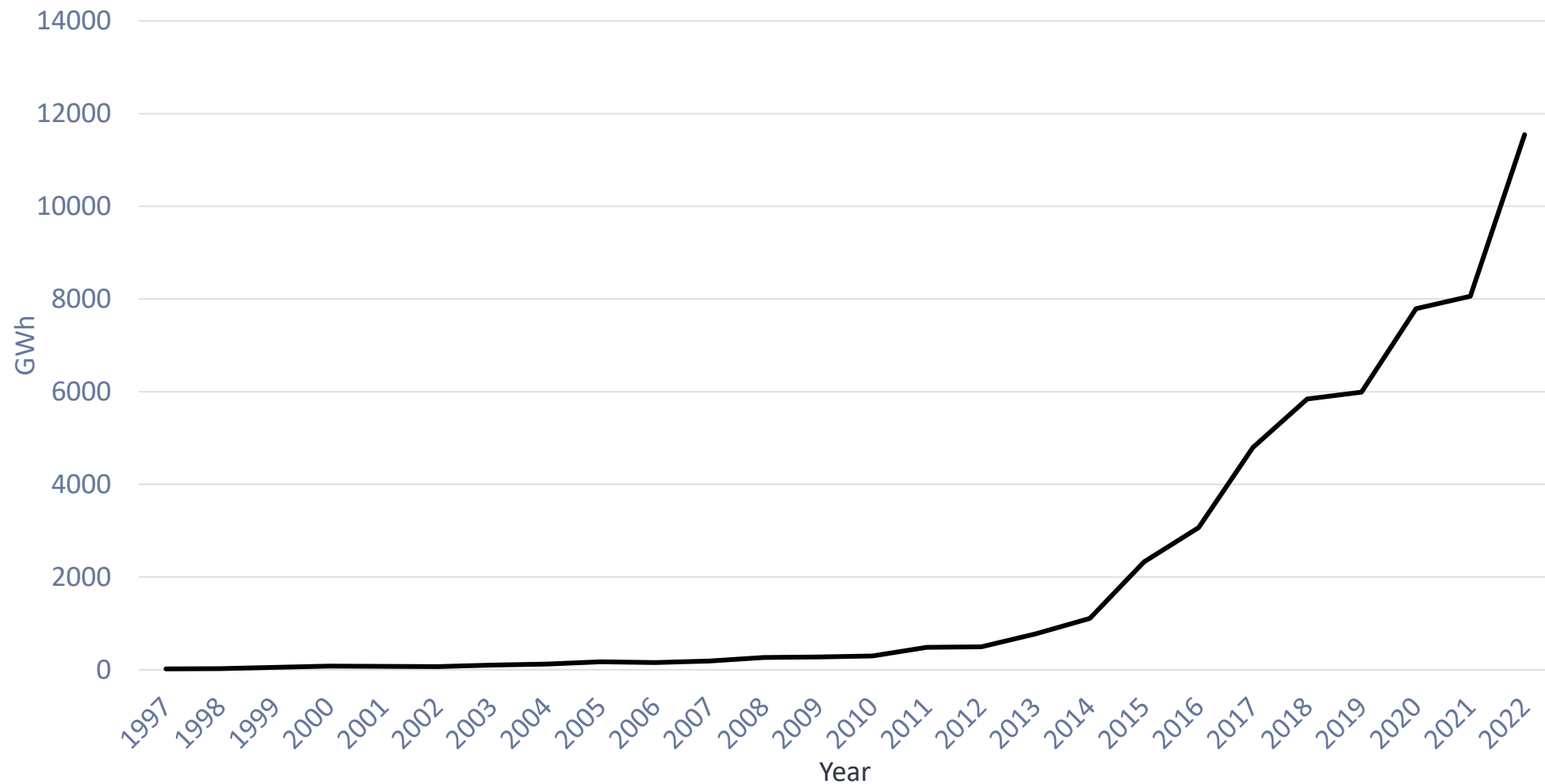
23.1.2023

Summary

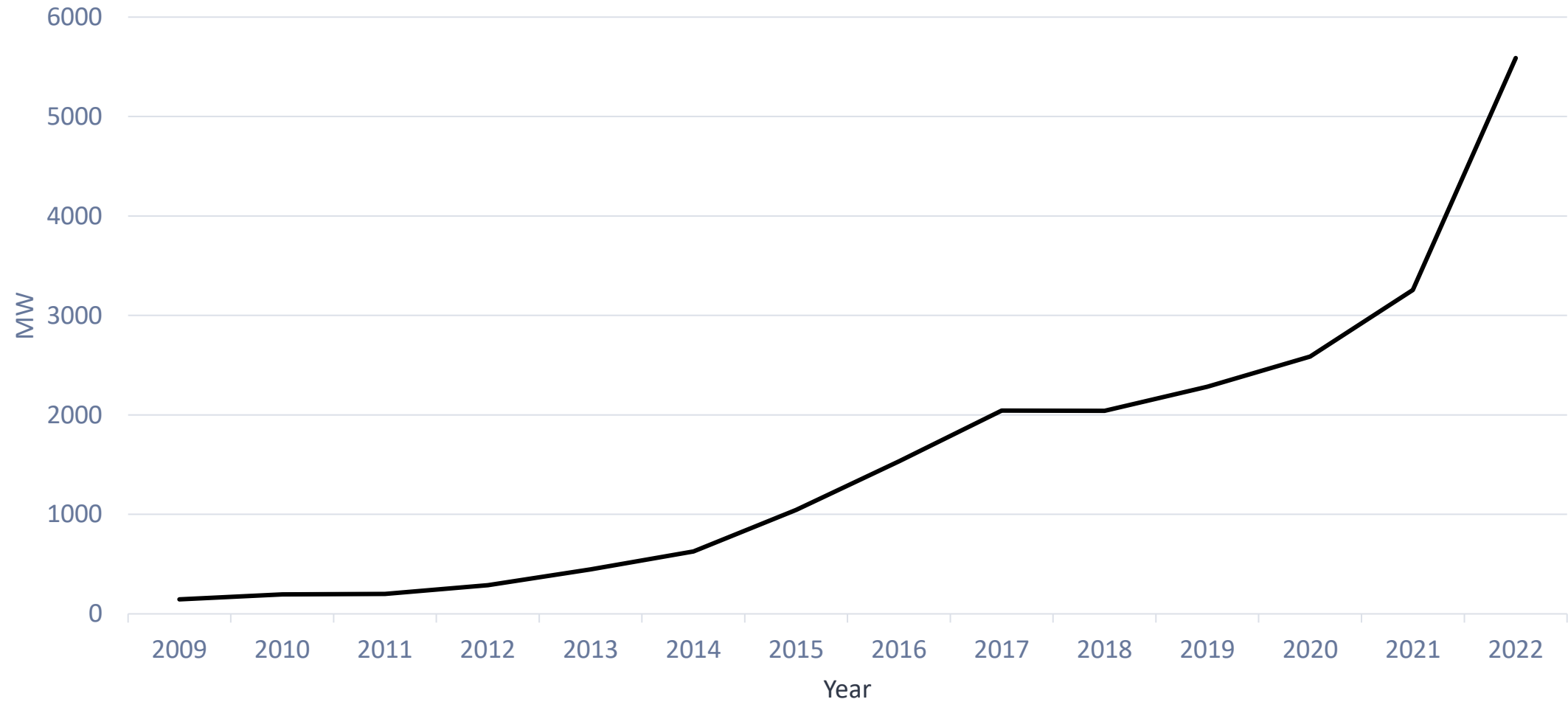
Installed wind power capacity		
2022		
Installed wind turbines	437	WTG
Rated power of installed turbines	2 430	MW
Decommissioned turbines	5	WTG
Rated power of decommissioned turbines	9	MW
Cumulative number of installed turbines	1393	WTG
Cumulative capacity (MW)	5 677	MW
Production (TWh) (source: Energy Industries)	11,545	TWh

* Wind power covered 14,1 % of the Finnish Electricity Consumption

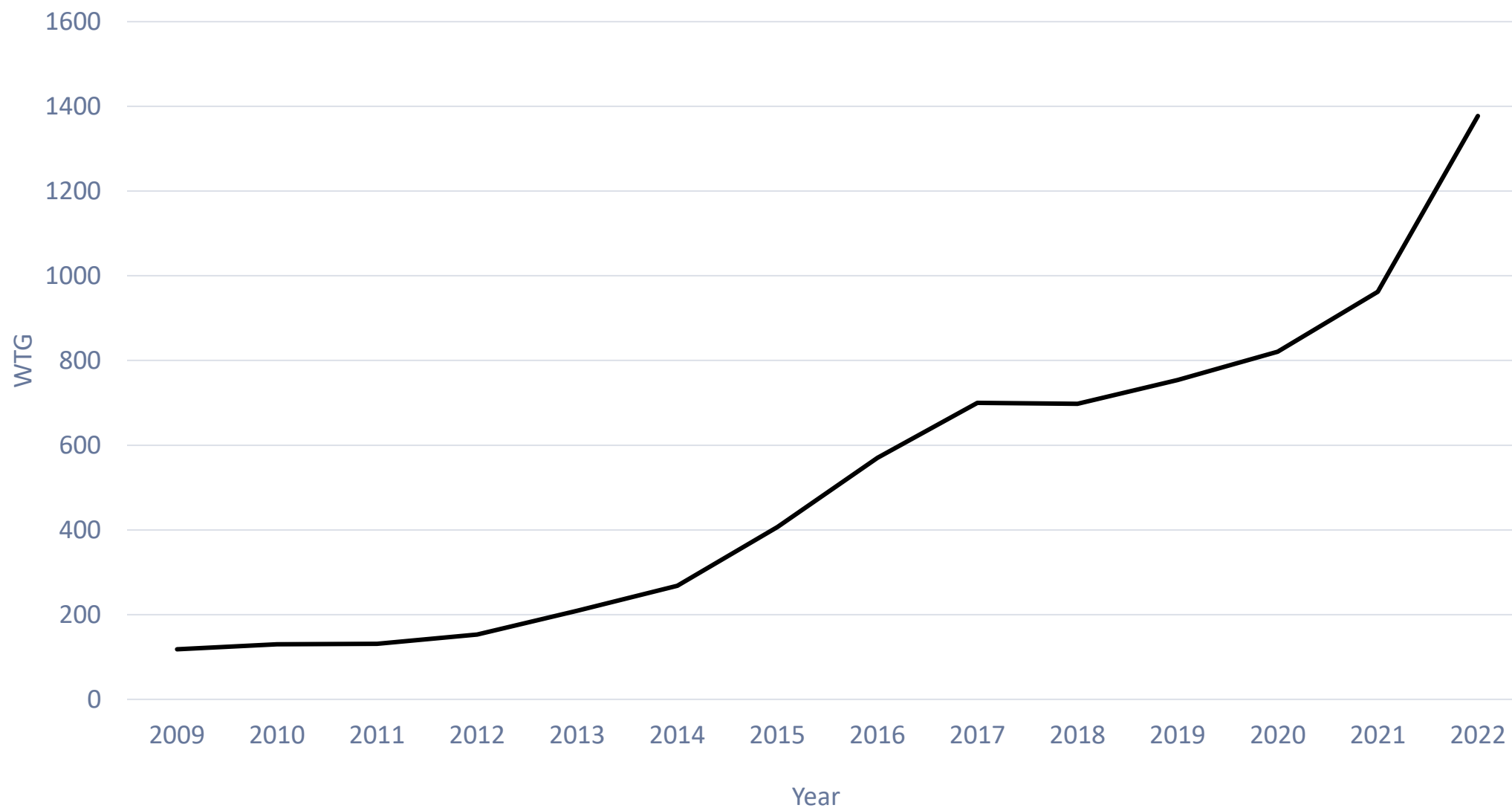
Annual Wind Power Production (GWh)



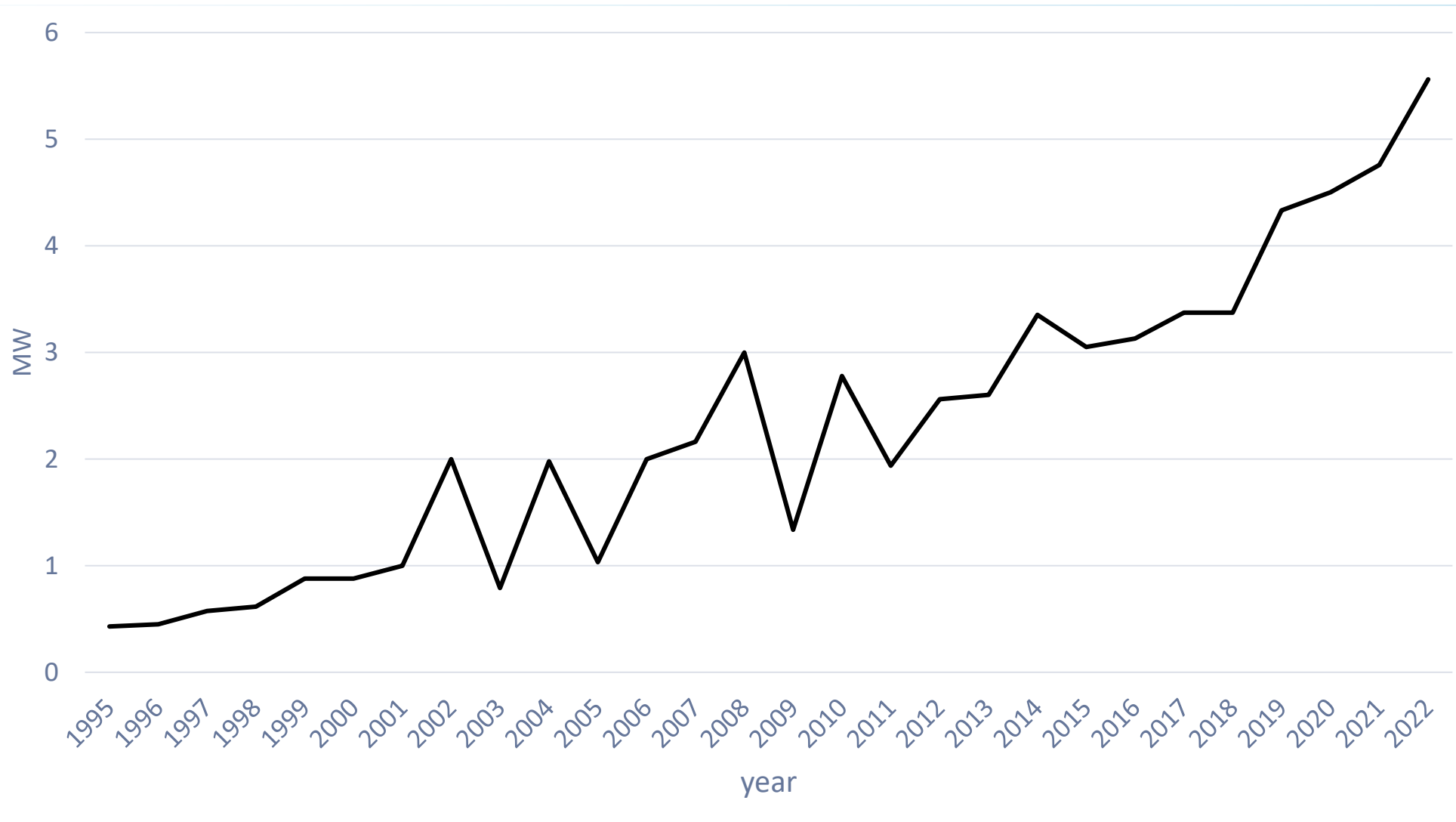
Installed cumulative capacity (MW)



Cumulative number of Wind Turbines



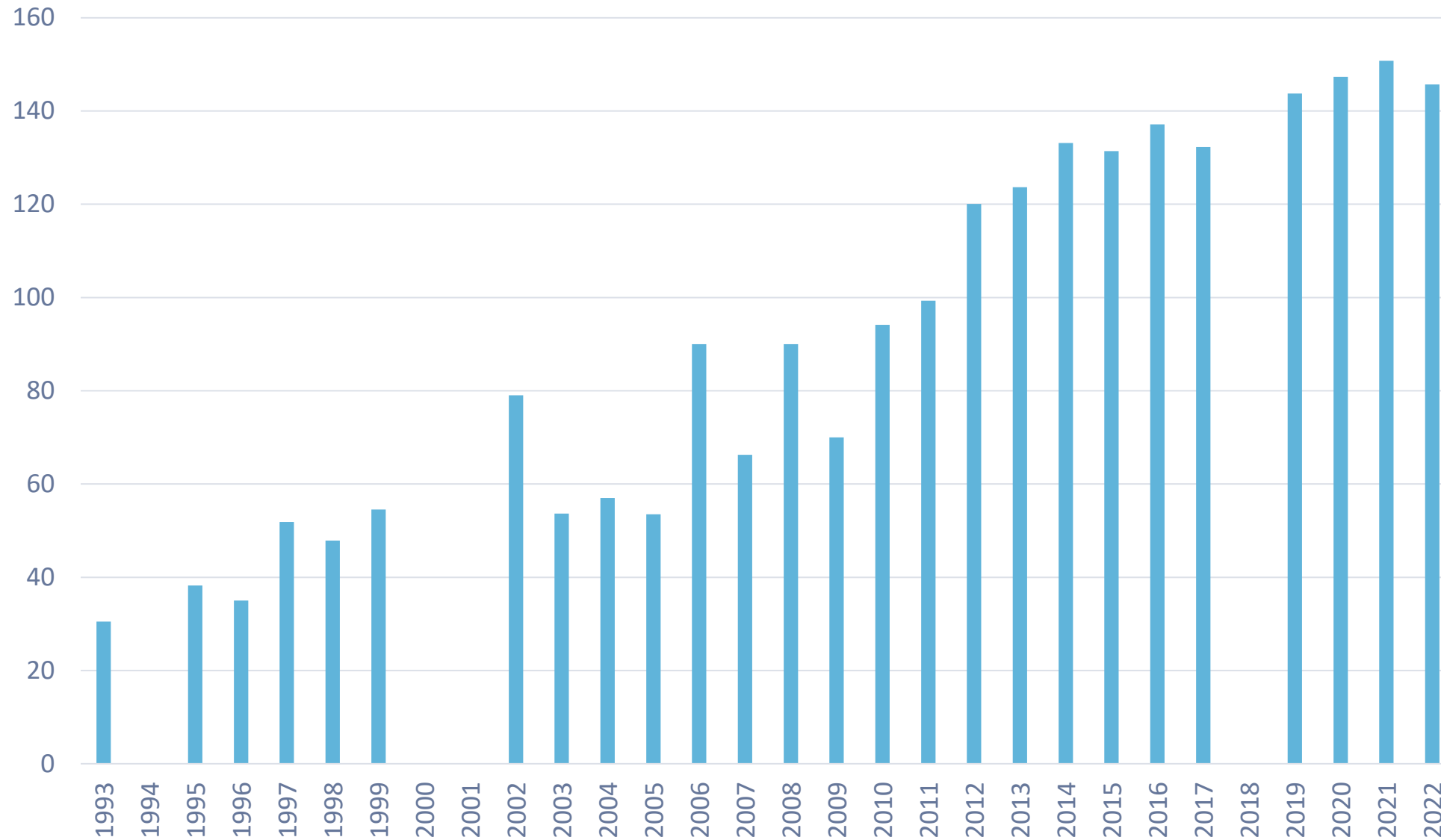
Average capacity of installed turbines / year (MW)



Please notice that prior 2014 there were only very few turbines installed per year.



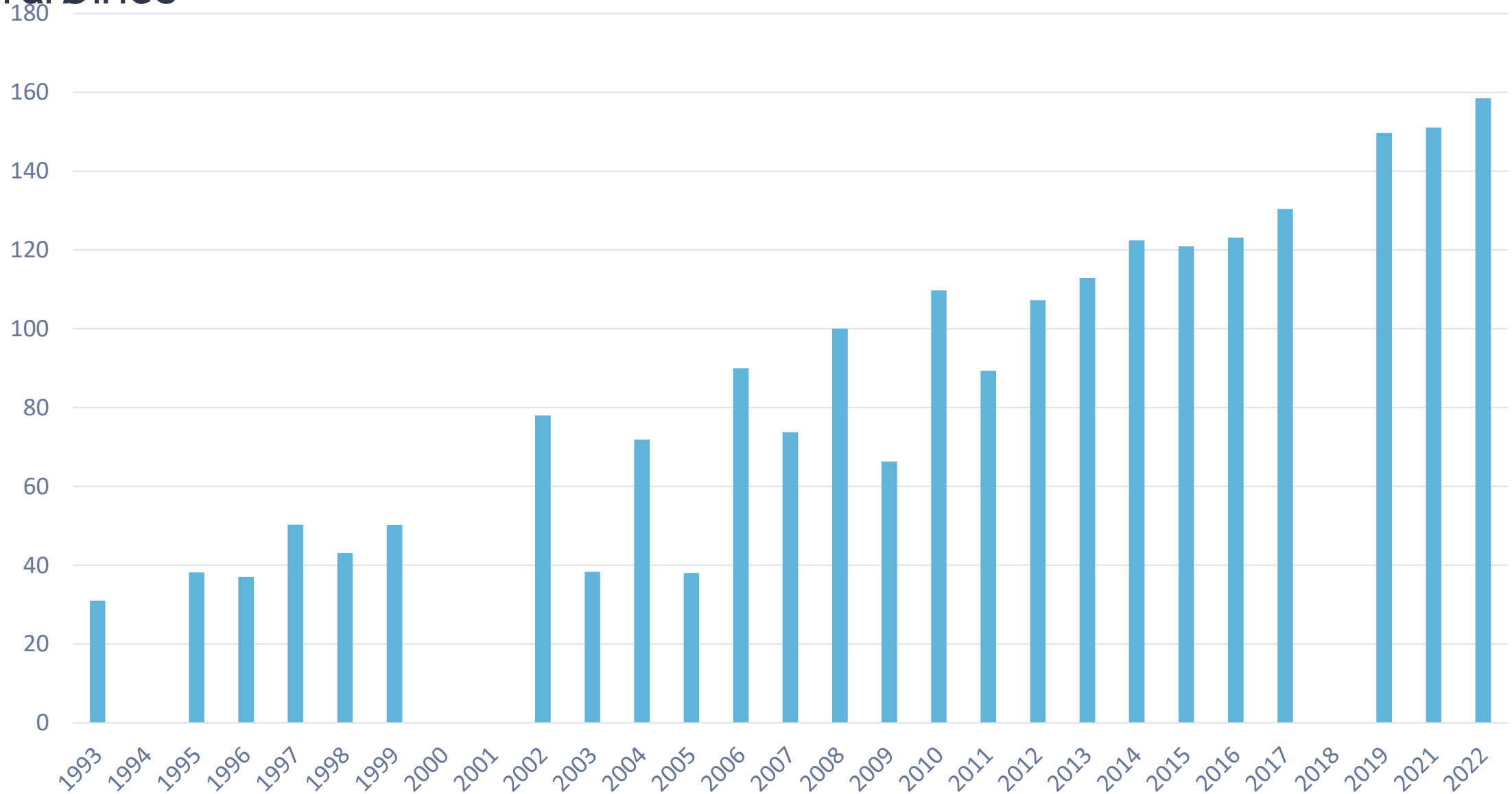
Average hub height of installed turbines (m)



Average rotor diameter length (m) of installed turbines

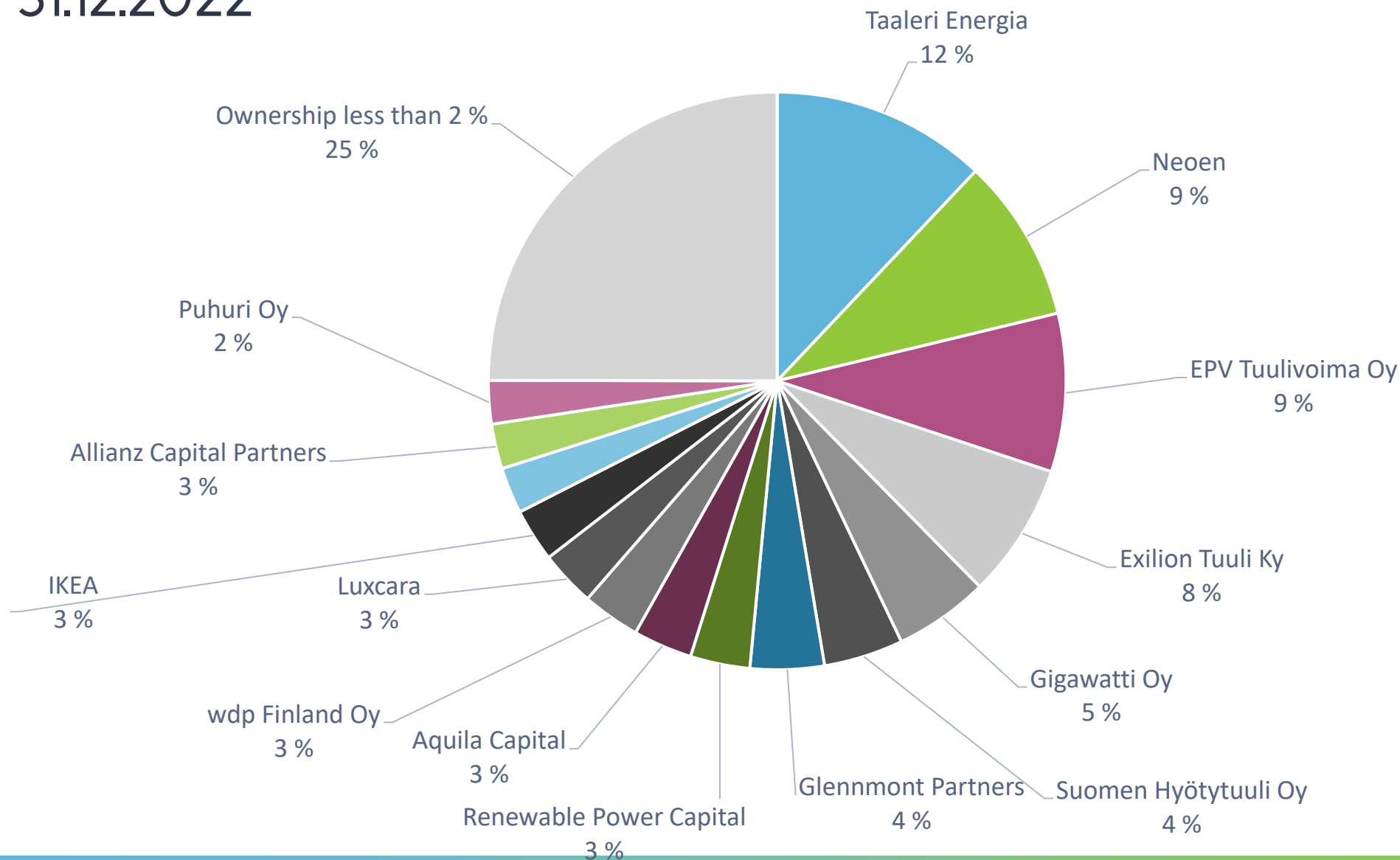


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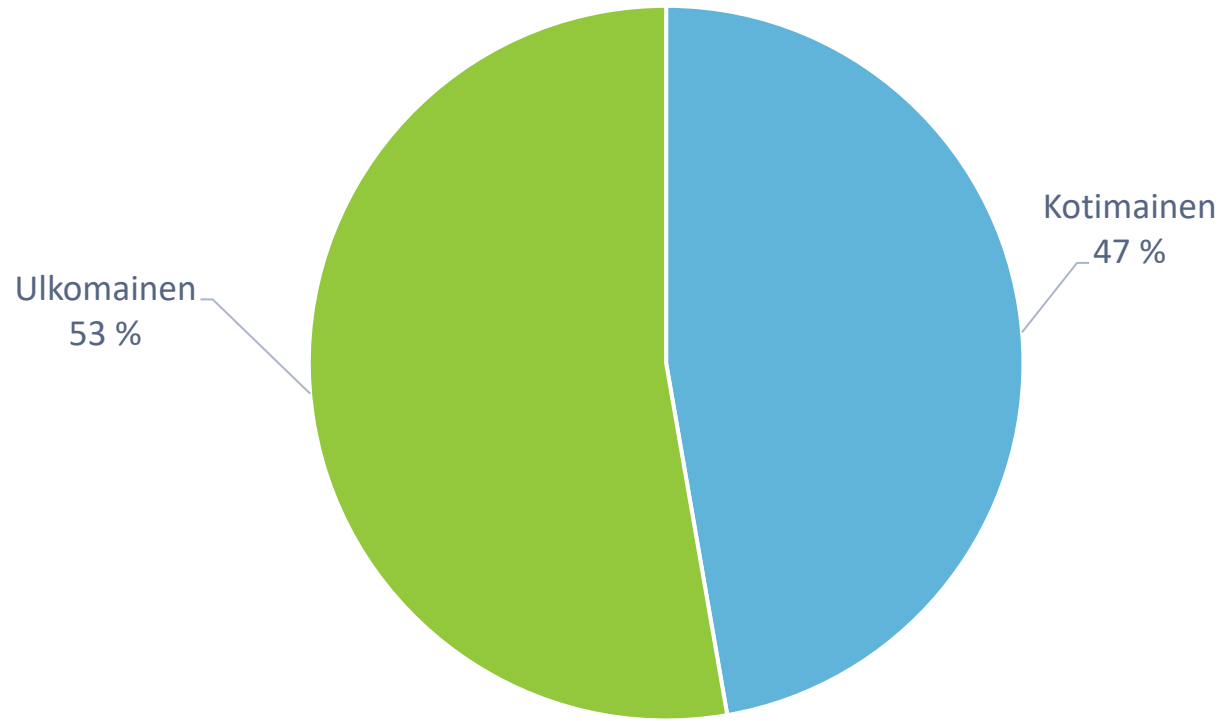


Owners – share of the cumulative capacity (MW)

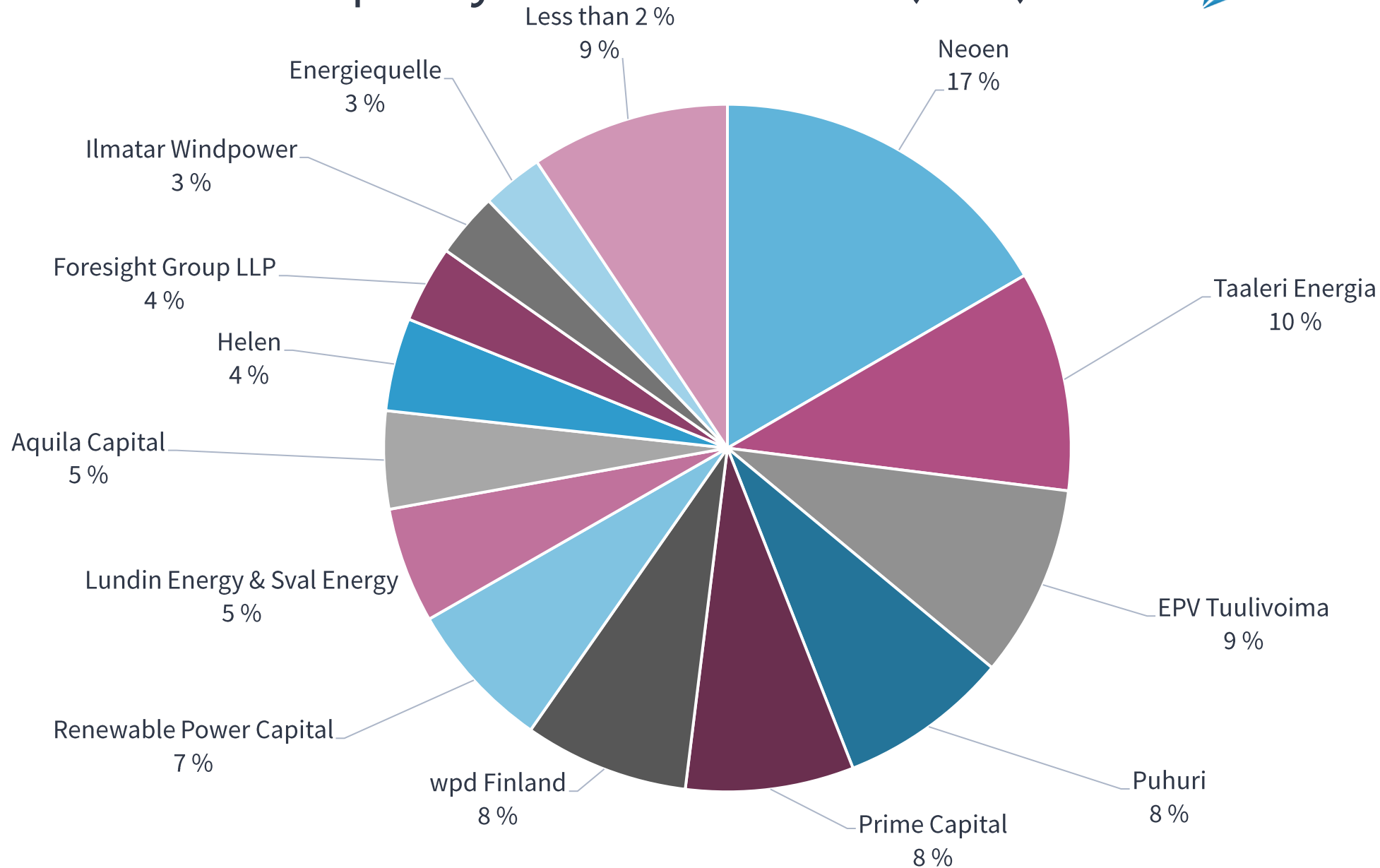
31.12.2022



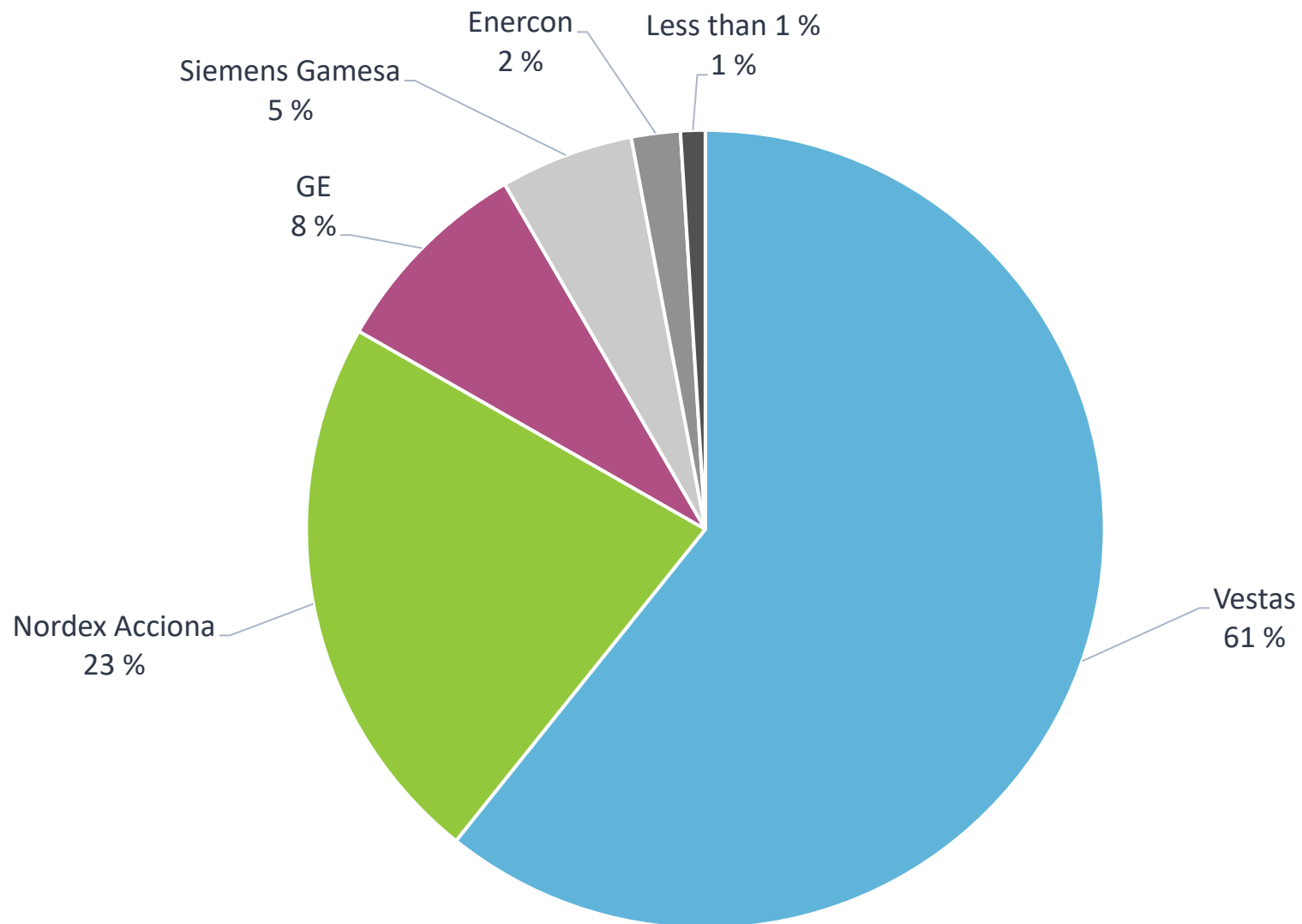
Shares of domestic and foreign owners - cumulative capacity



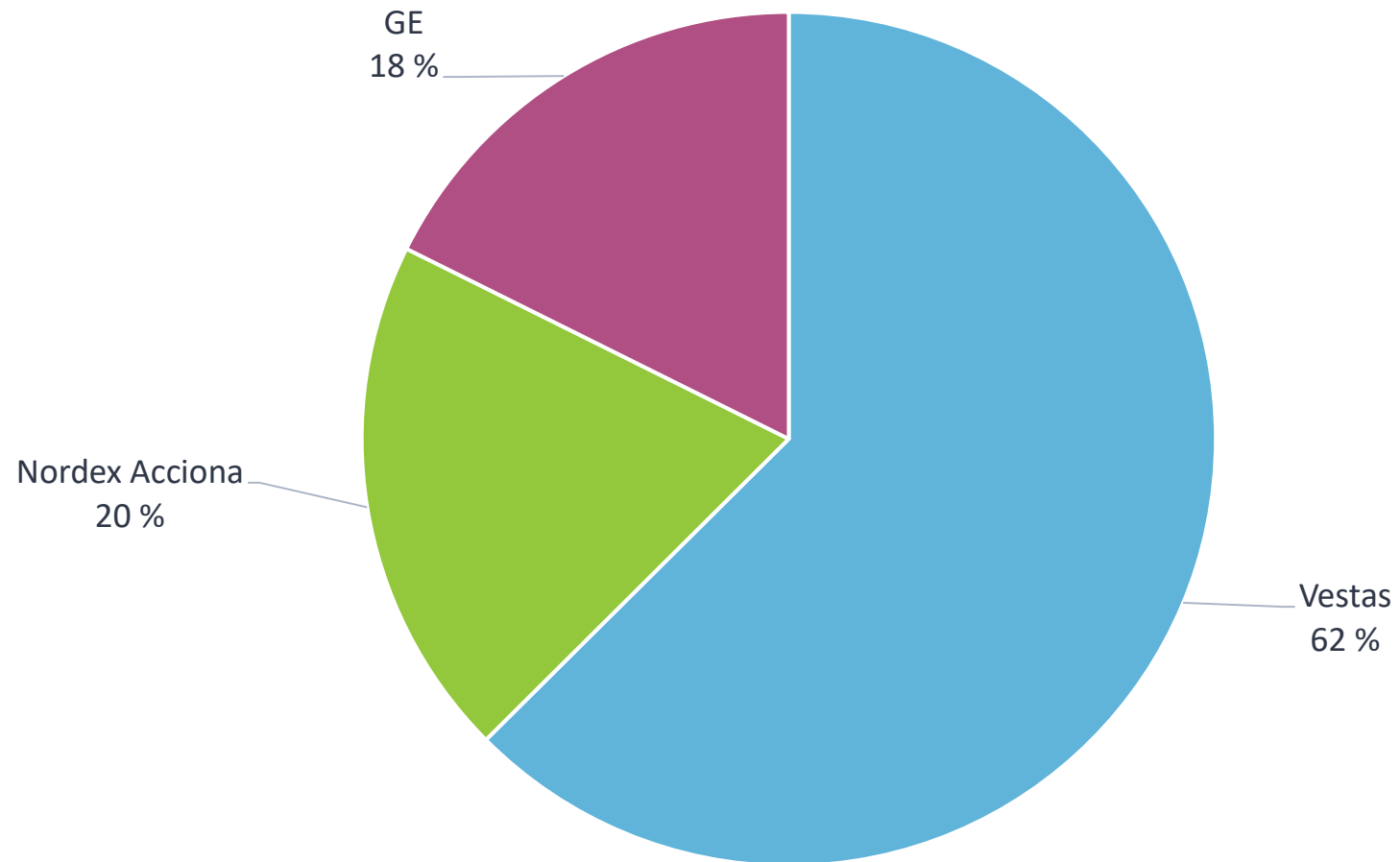
Owners – share of capacity installed in 2022 (MW)



Wind turbine suppliers – share of cumulative capacity (MW)



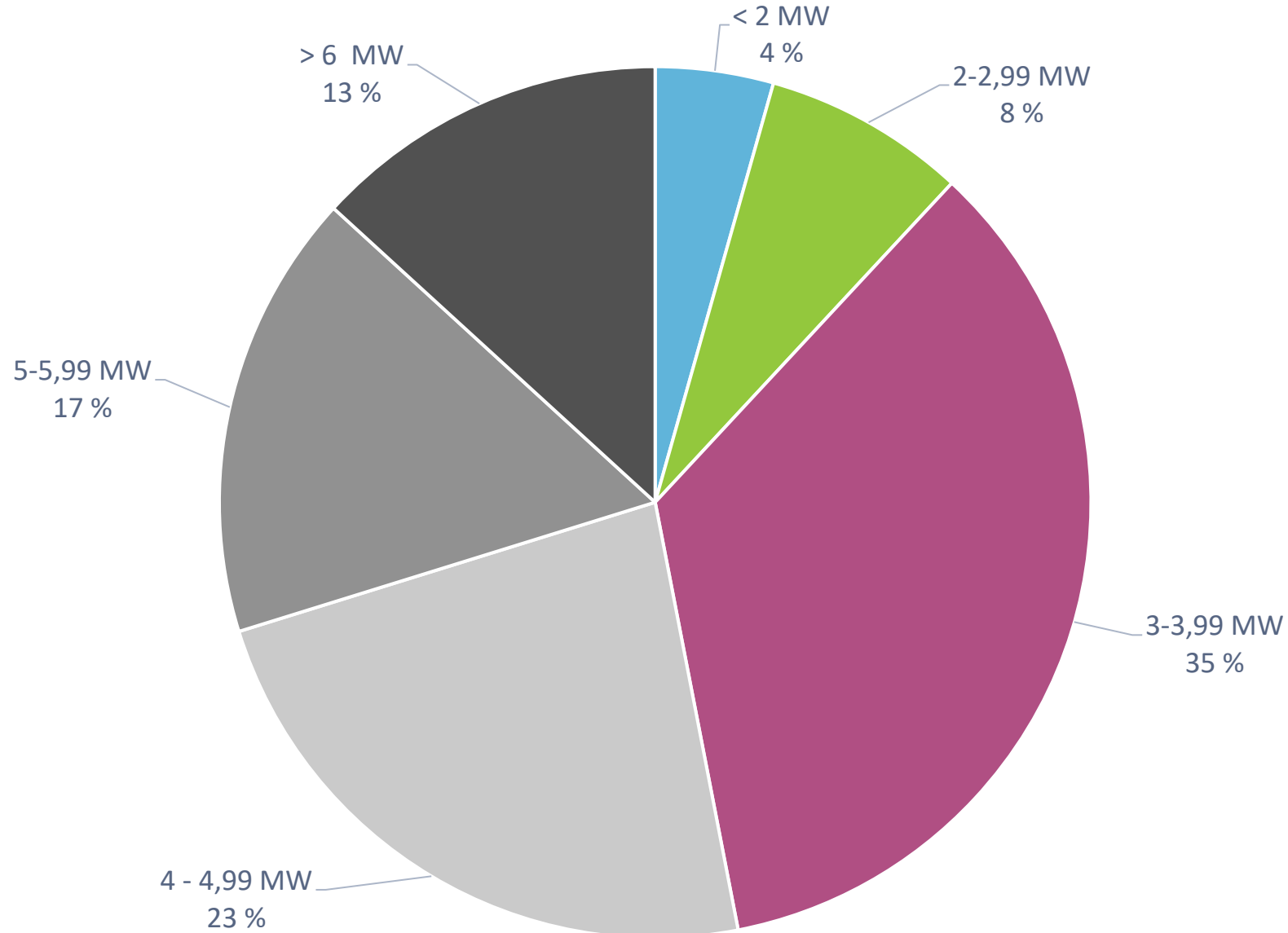
Wind turbine suppliers – shares of capacity that came online in 2022 (MW)



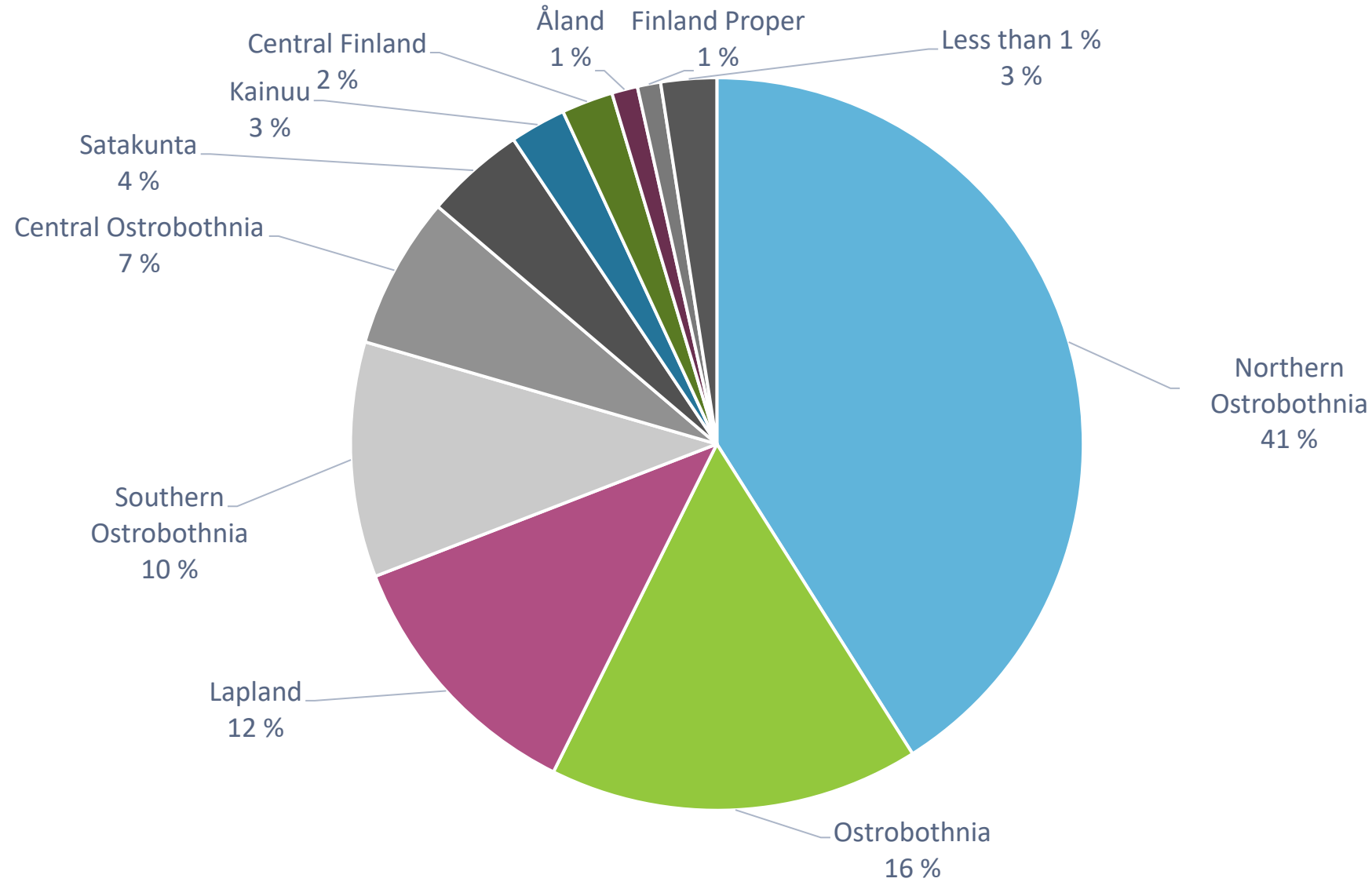
Share of different wind turbine capacities – cumulative capacity (number of turbines)



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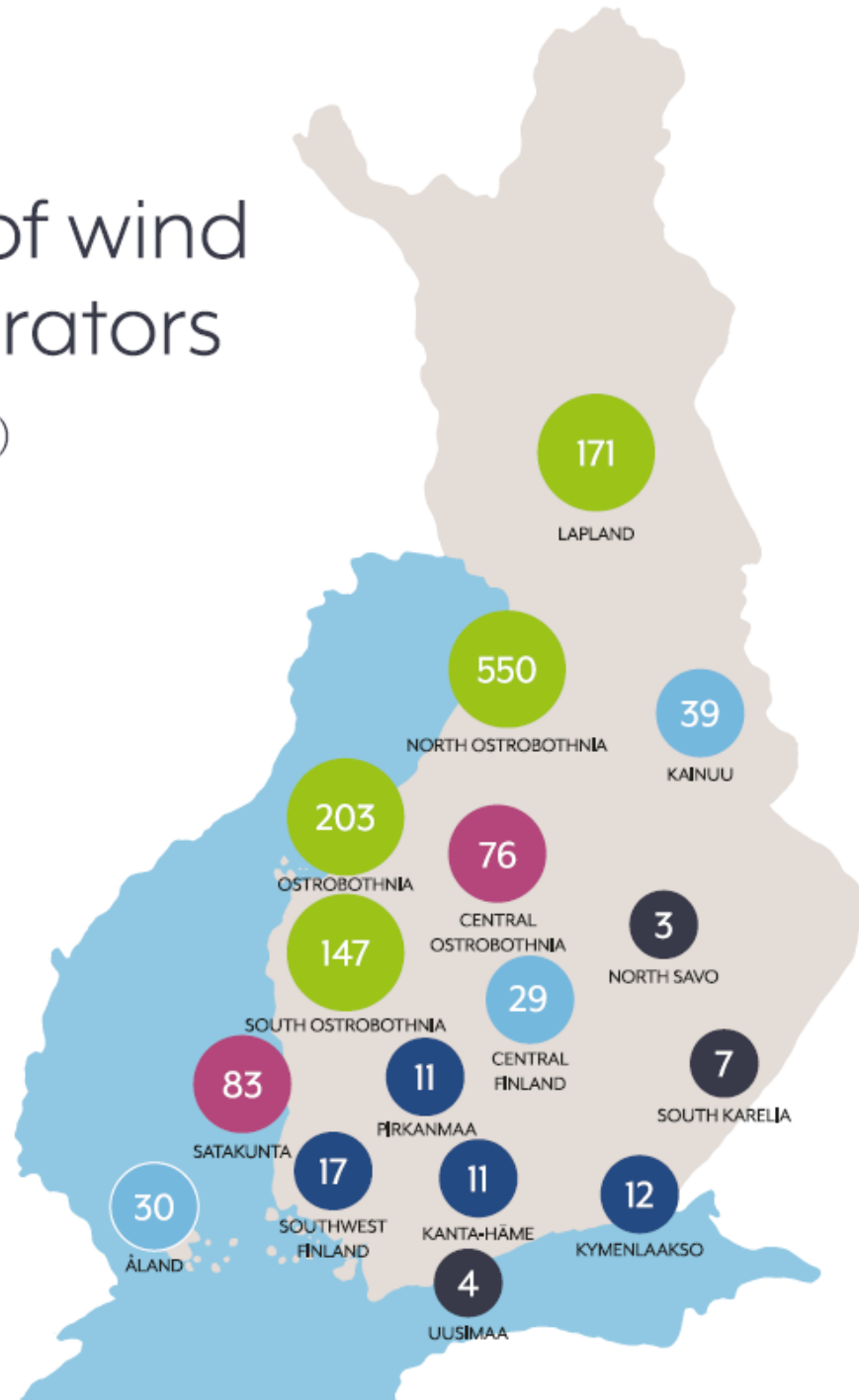
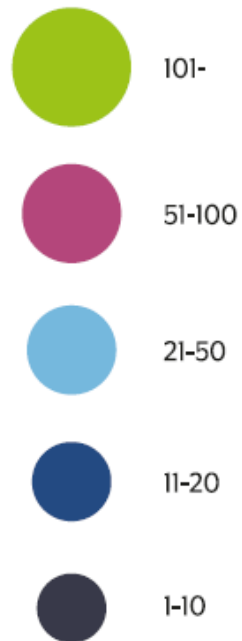


Cumulative wind power capacity by region (MW)

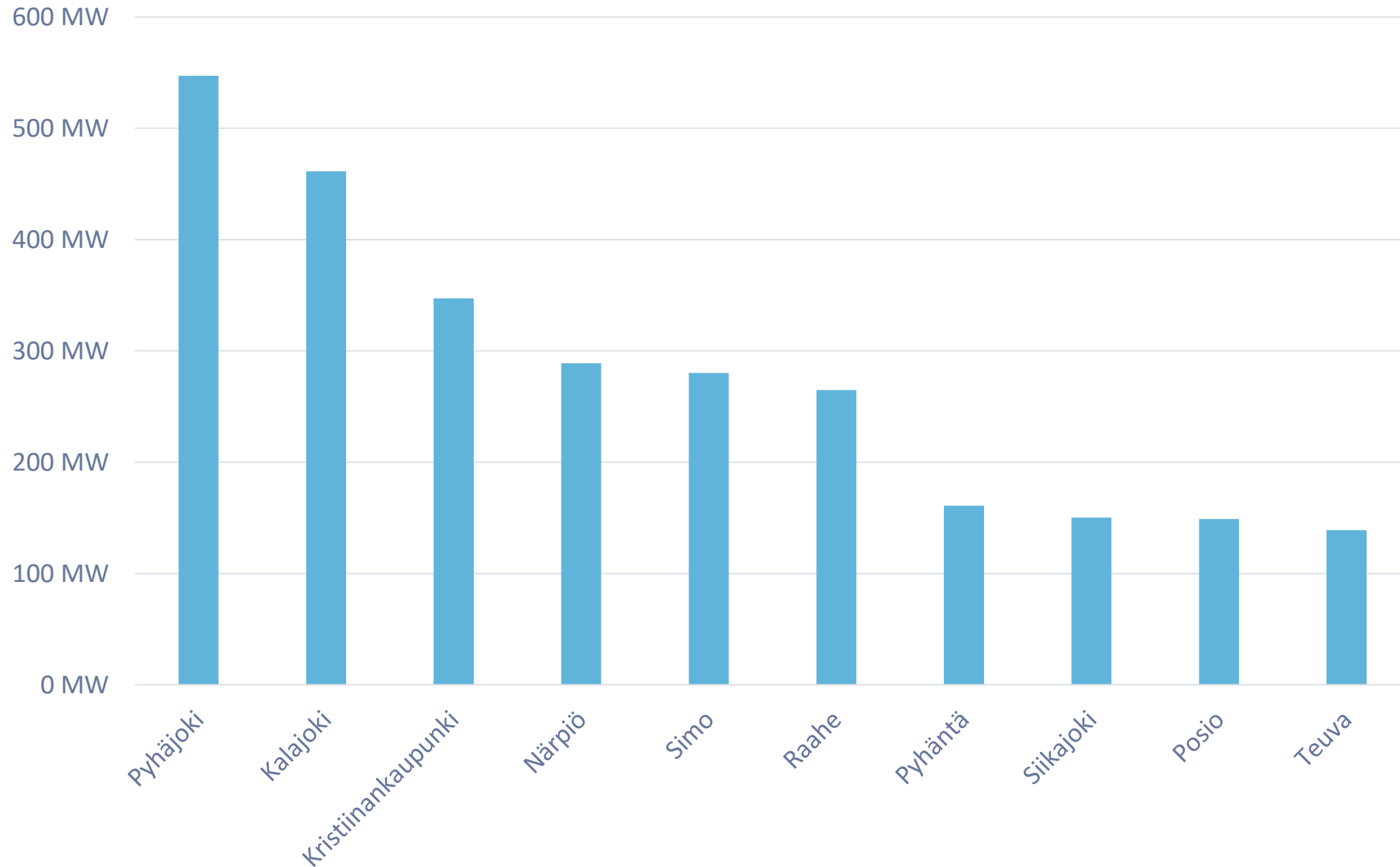




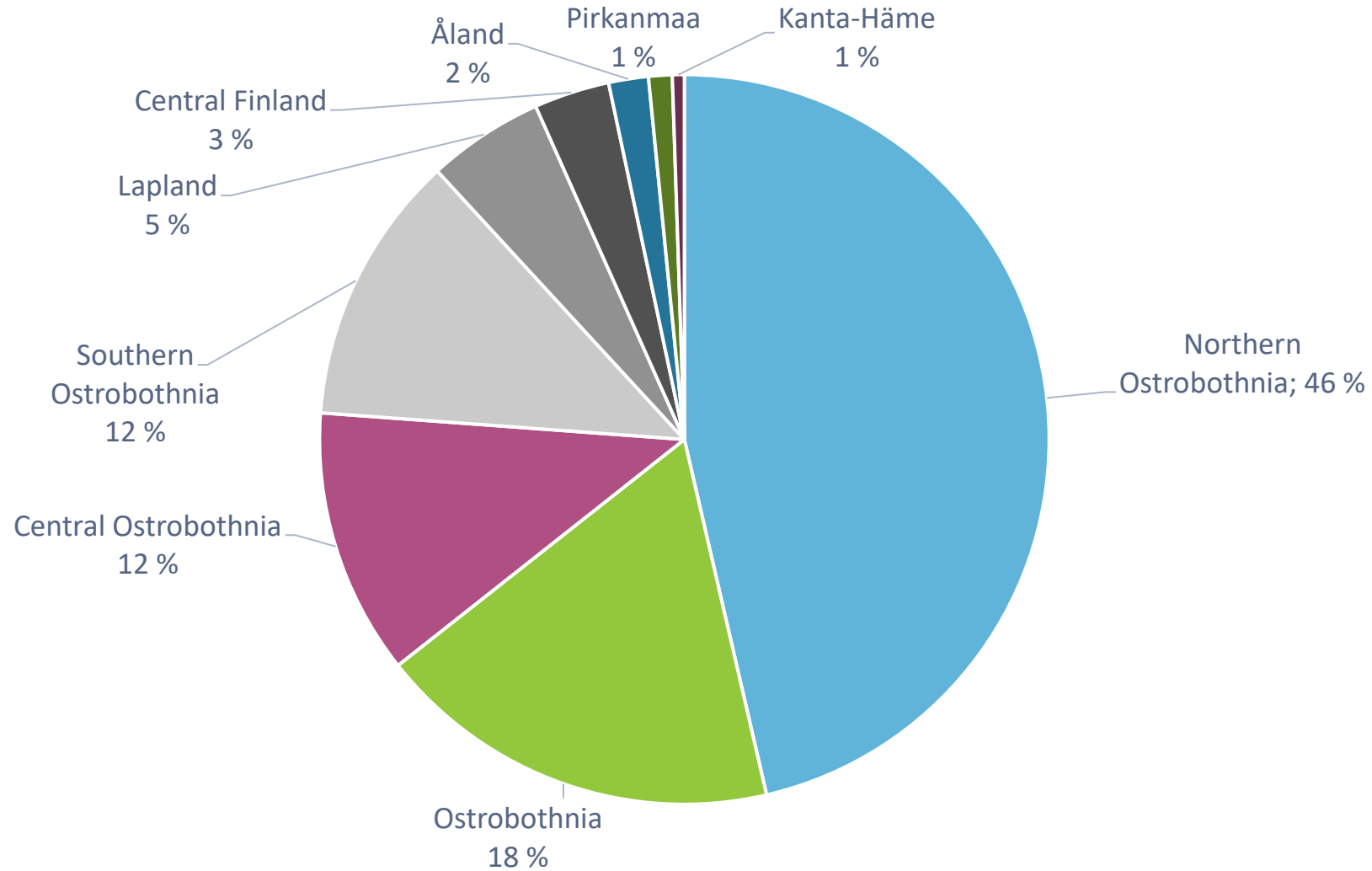
Distribution of wind turbine generators by region (2022)



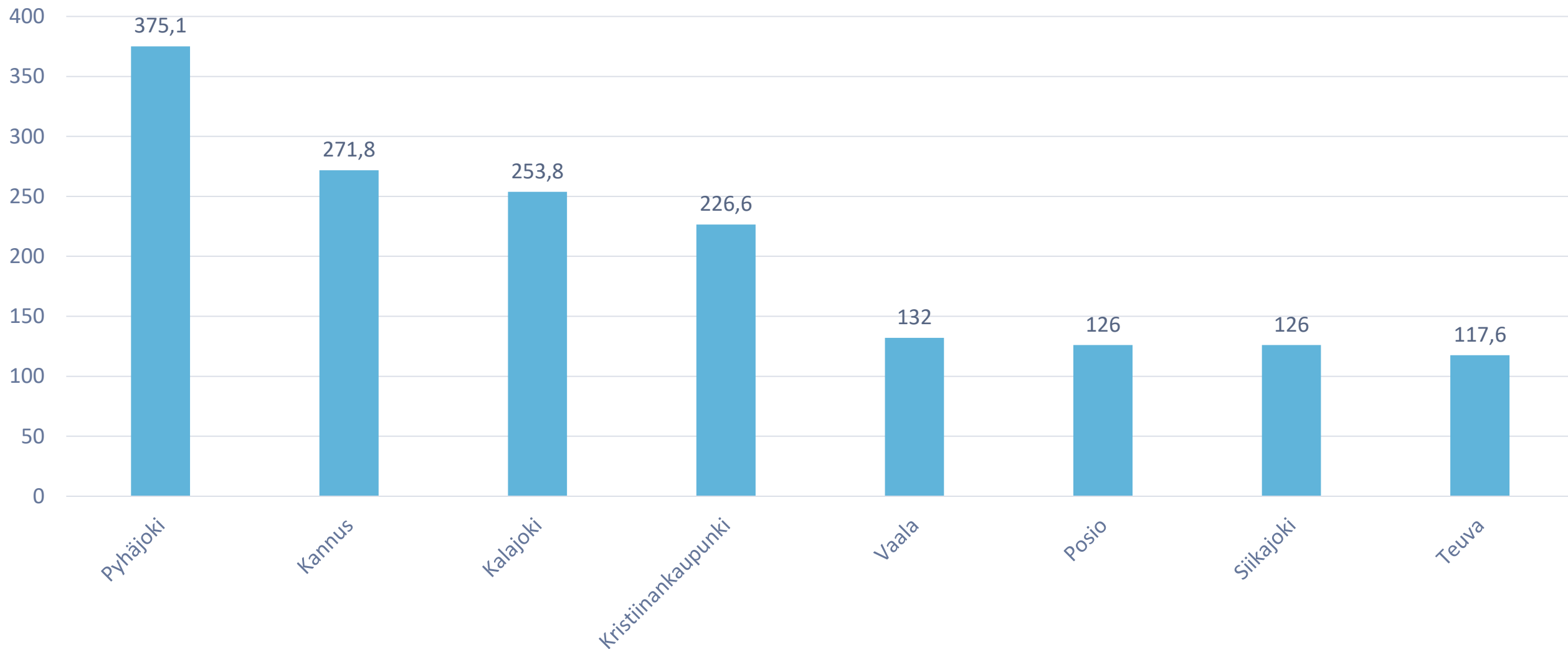
Top 10 municipalities – cumulative capacity (MW)



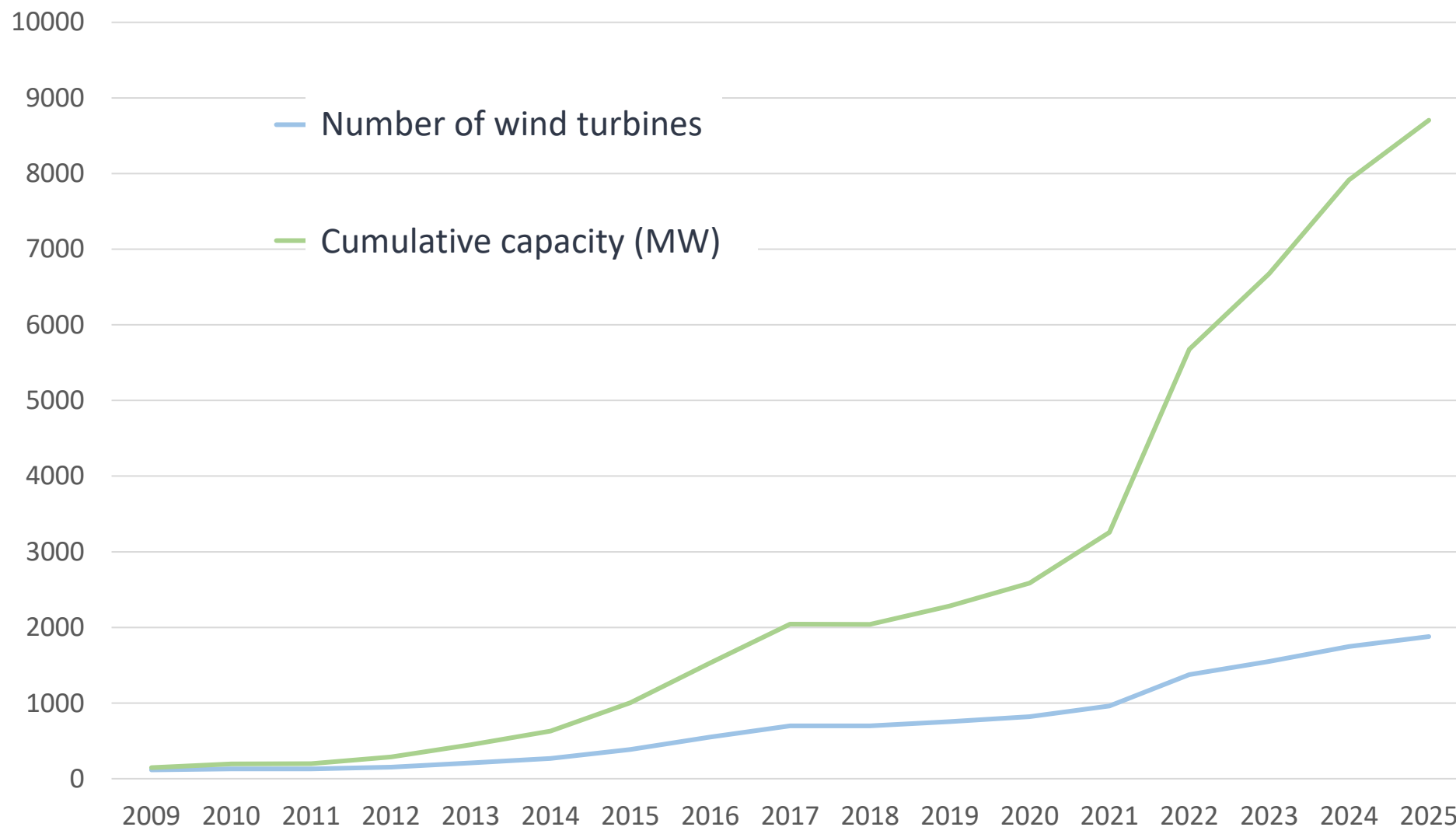
Capacity that came on-line in 2022 by region



Installed capacity in 2022 –top 8 municipalities (MW)

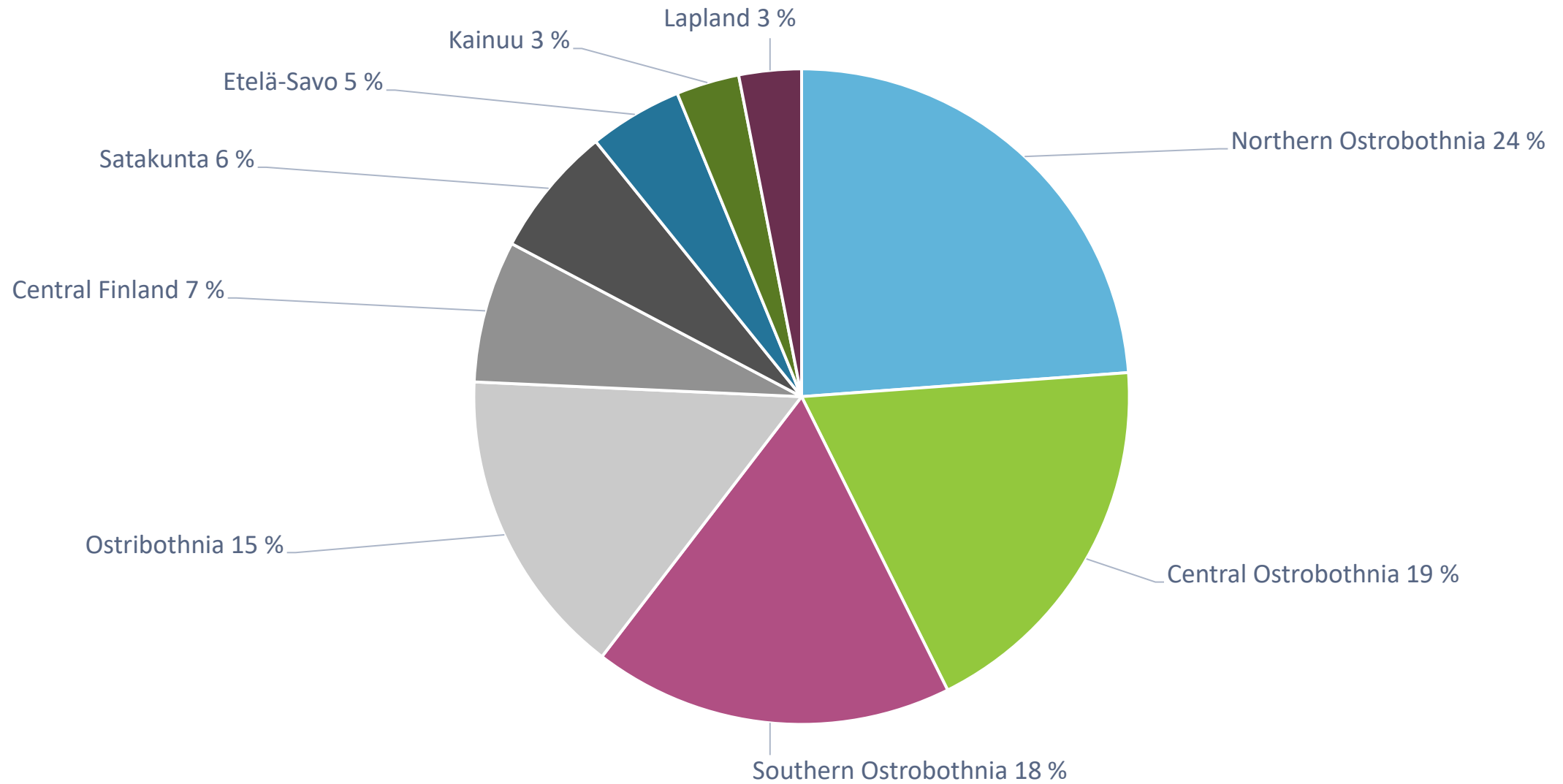


Wind Farms coming online between 2009–2025



Investment decision of the capacity listed for 2023-2025 has been published prior to 4th of January 2023

Investment decisions published for 2023–2025 prior 4.1.2023 by regions



Finnish Wind Power Association (FWPA)

- Membership association that promotes wind power, established in 1988
- About 210 company members, about 20 individual members, about 140 support members
 - A comprehensive mix of companies working in the wind power sector
- 7 full-time employees
- Head office in Jyväskylä, offices also in Helsinki and Kajaani
- Distributes information about wind power, engages actively in public discussion concerning wind power, publishes magazine “Tuulivoima”, etc.
<http://tuulivoimayhdistys.fi/en/>