

Wind power in Finland 2021

Finnish Wind Power Association

15.2.2022

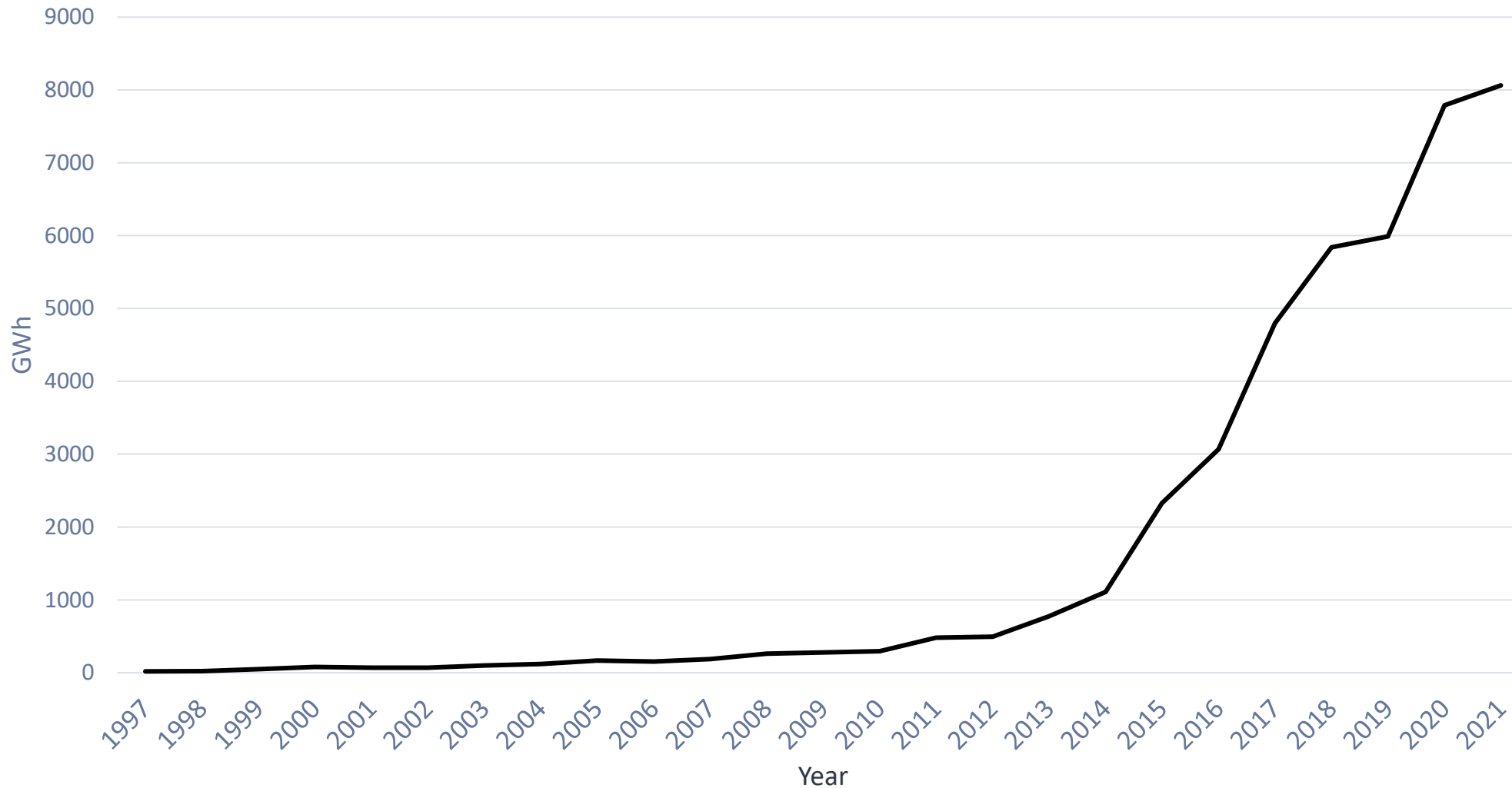
Summary

Installed wind power capacity		
2021		
Installed wind turbines	141	WTG
Rated power of installed turbines	671	MW
Decommissioned turbines	0	WTG
Rated power of decommissioned turbines	0	MW
Cumulative number of installed turbines	962	WTG
Cumulative capacity (MW)	3 257	MW
Production (TWh)*	8,061*	TWh

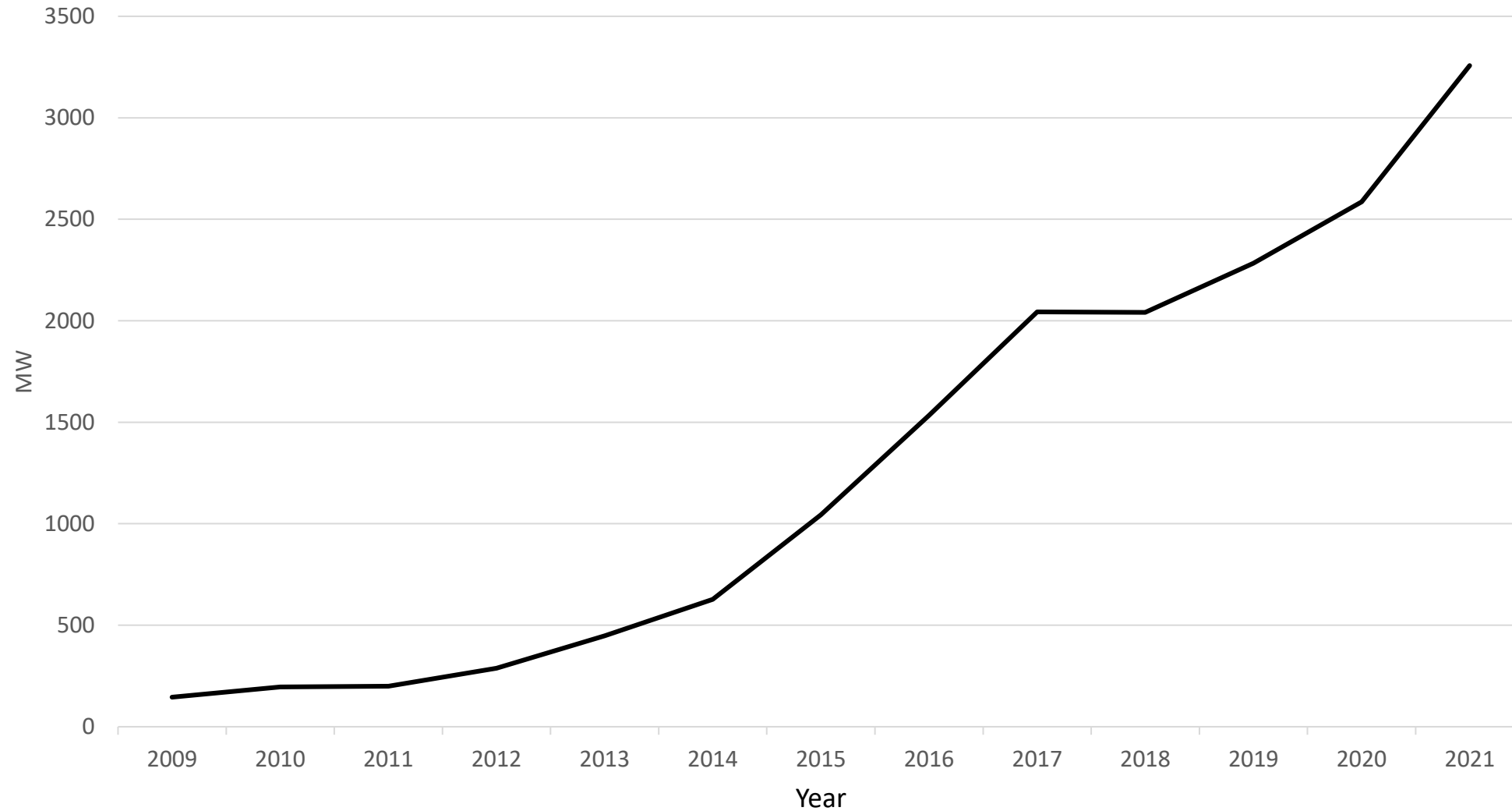
11,7 % of electricity production*
9,3 % of electricity consumption*
was covered with wind power in 2021

* Source: Finnish Energy

Annual wind power production (GWh)

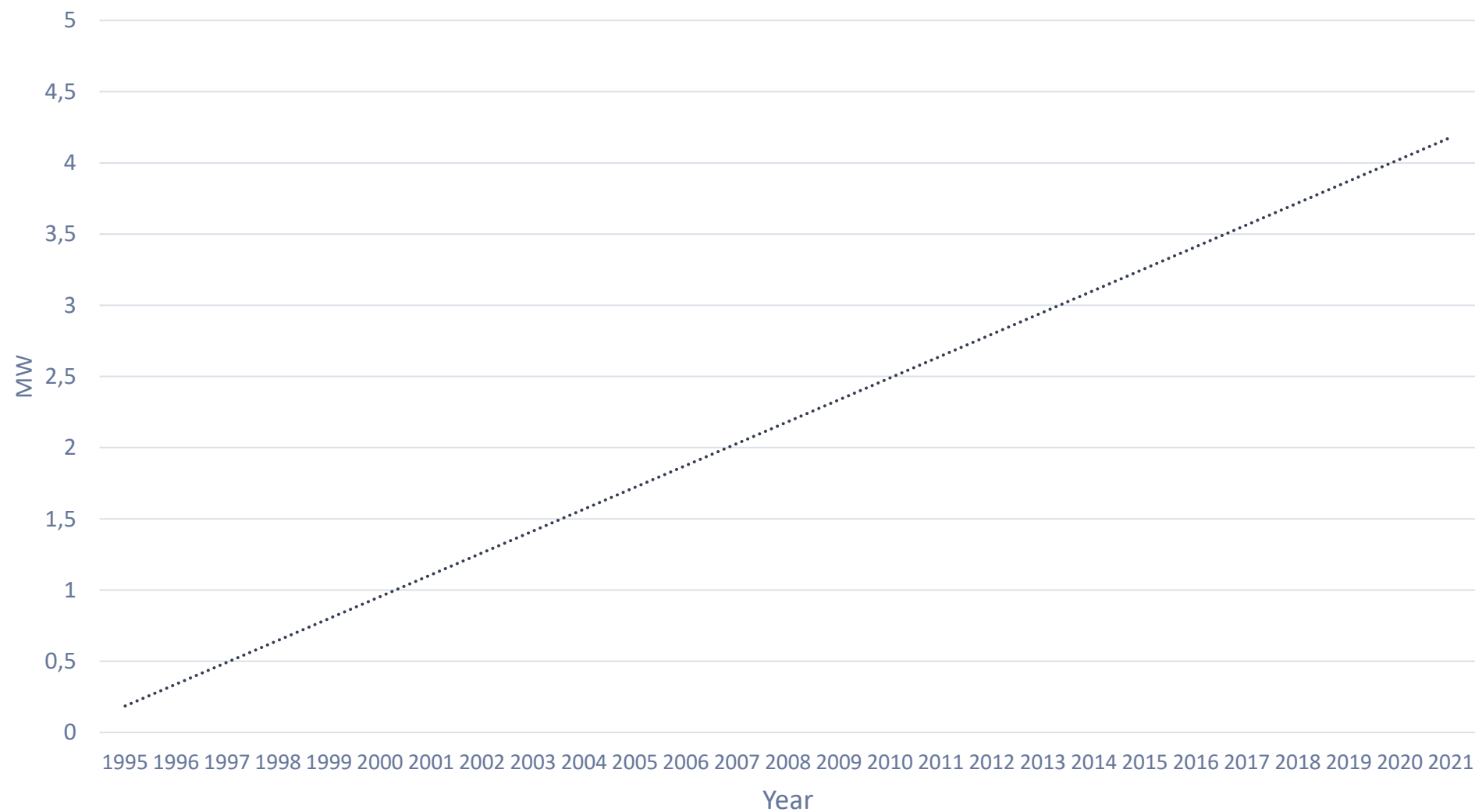


Installed cumulative capacity (MW)

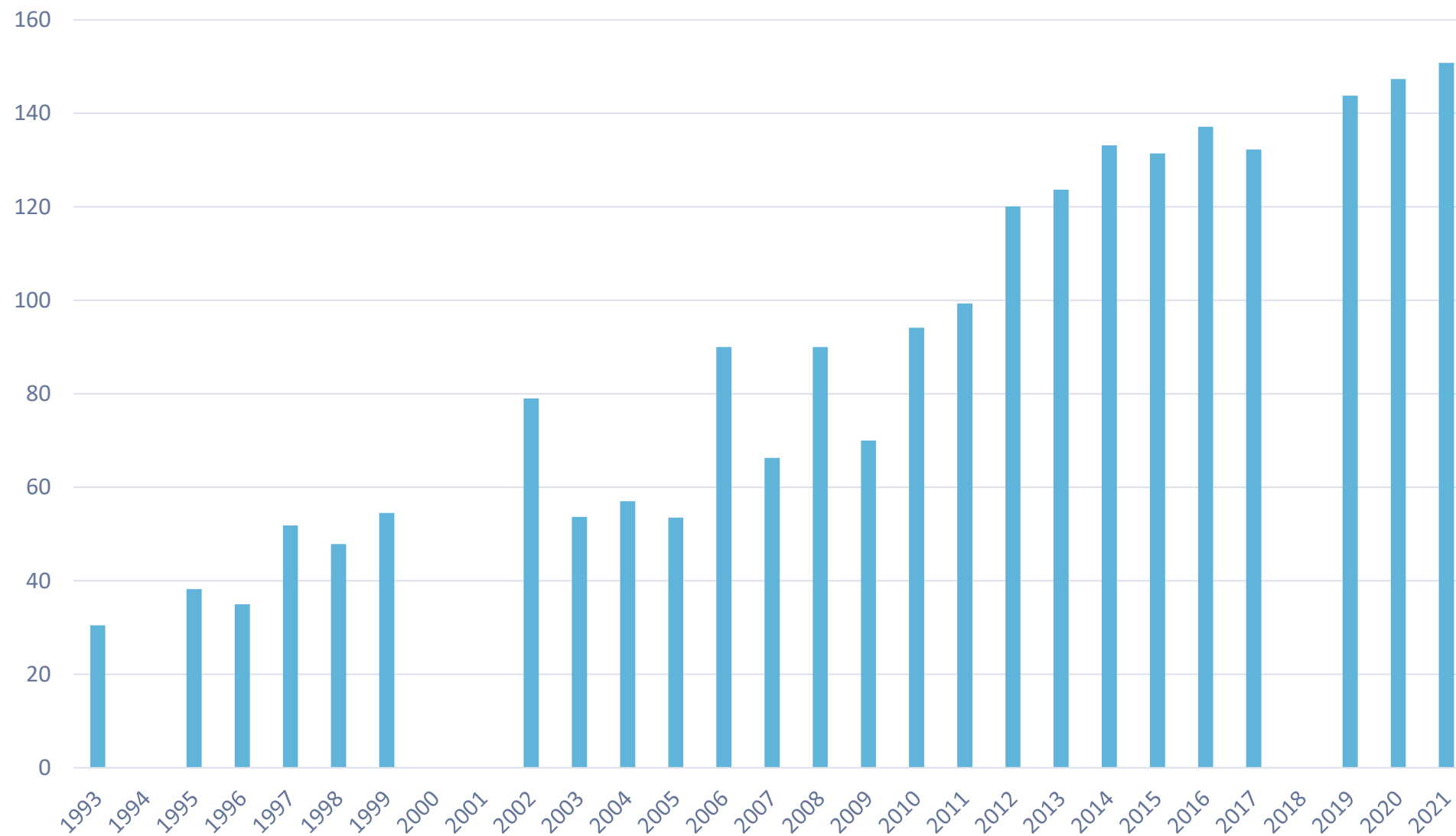




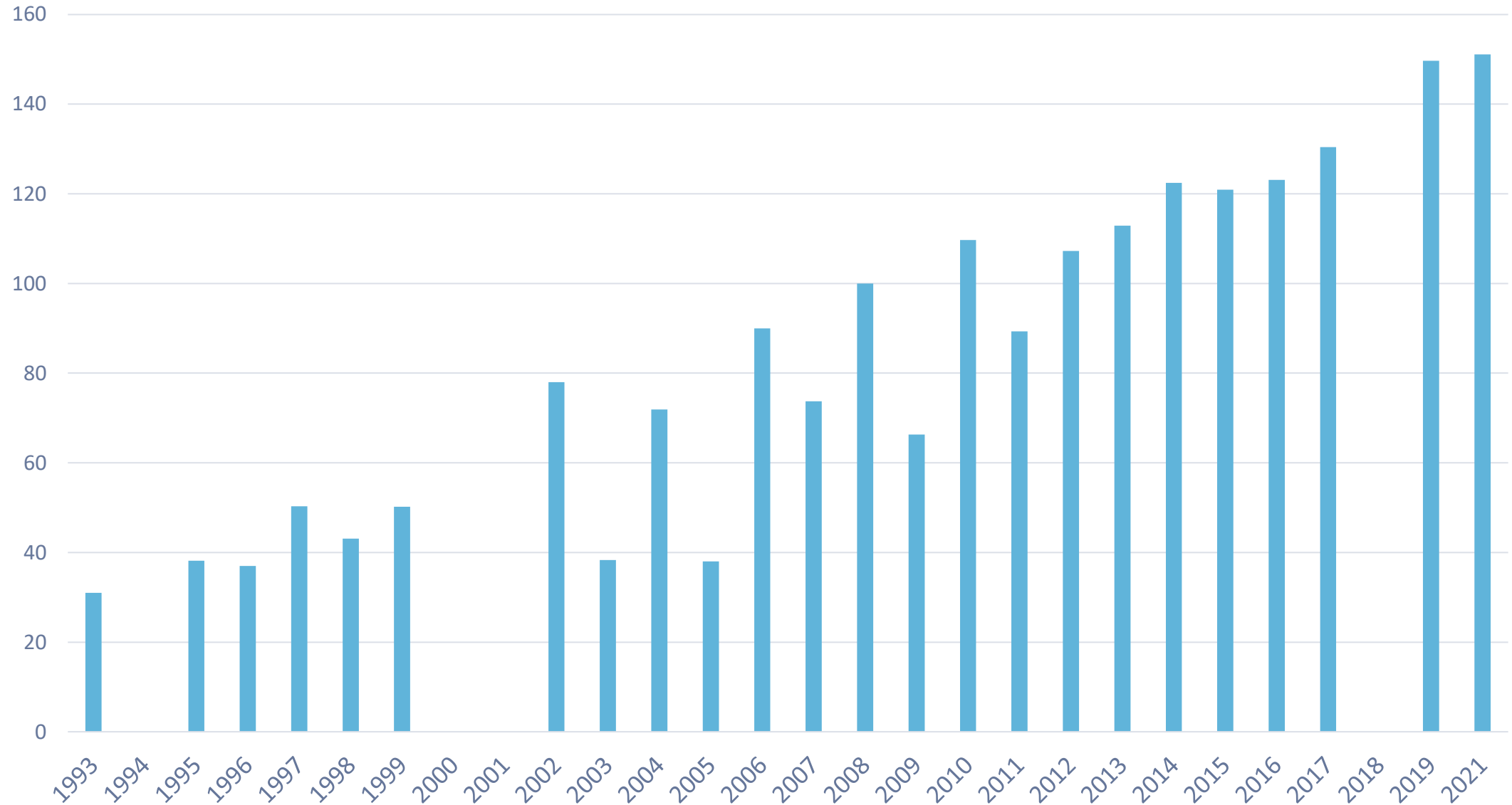
Average size of installed turbines (MW) (trendline)



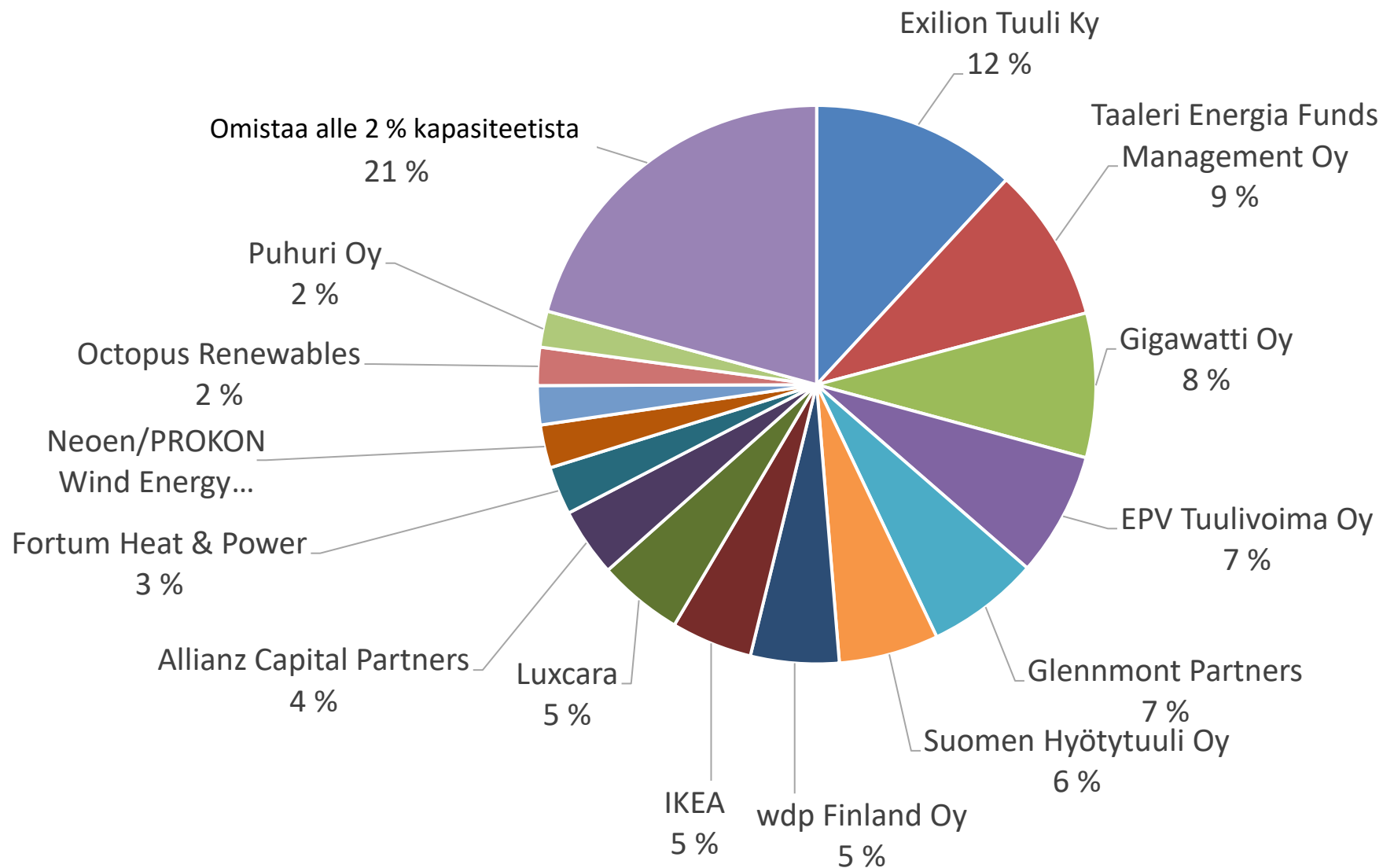
Average hub height of installed turbines (m)



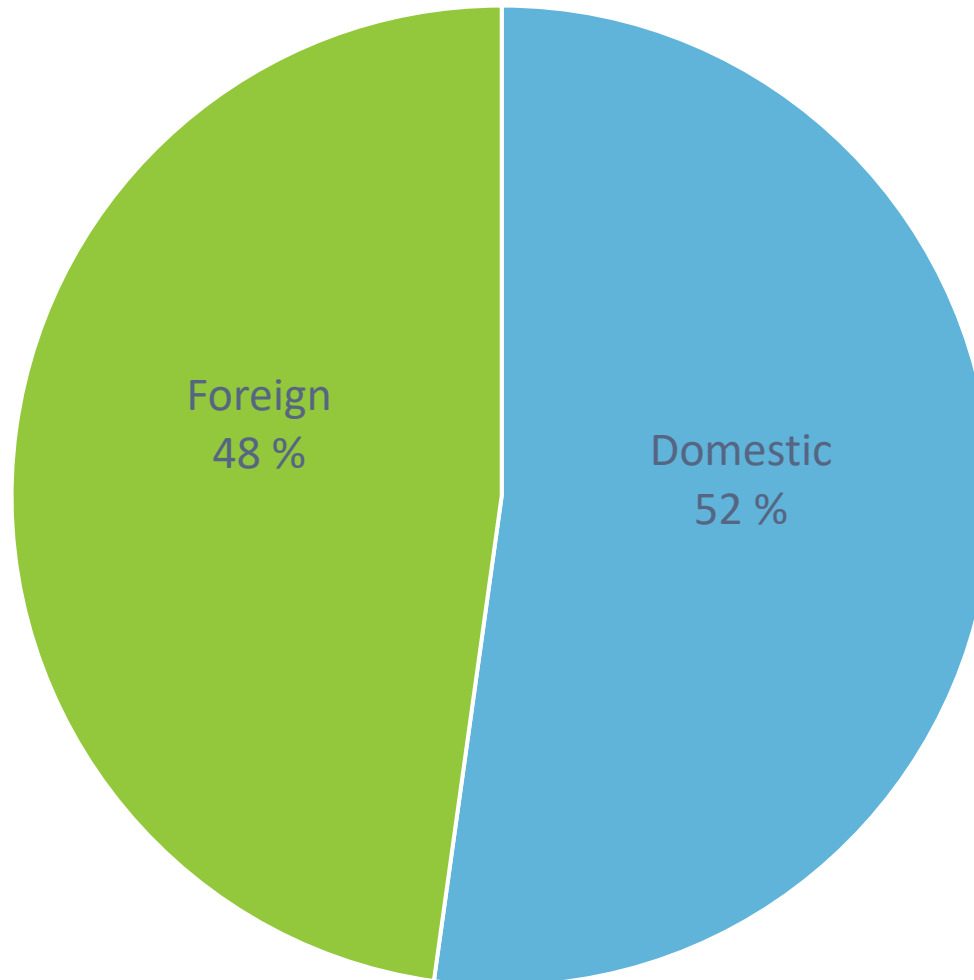
Average rotor diameter length (m) of installed turbines



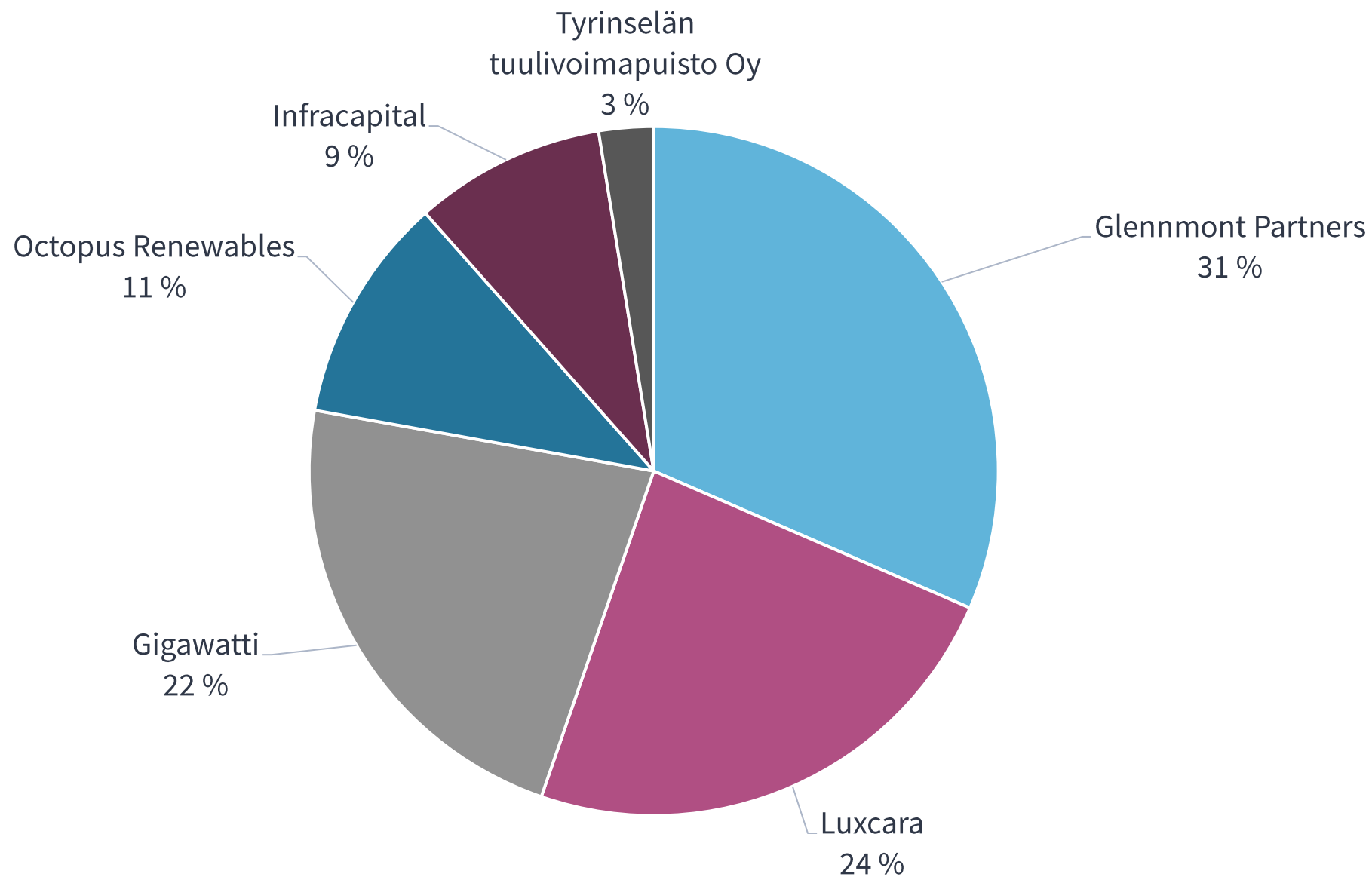
Owners – shares of cumulative capacity (MW)



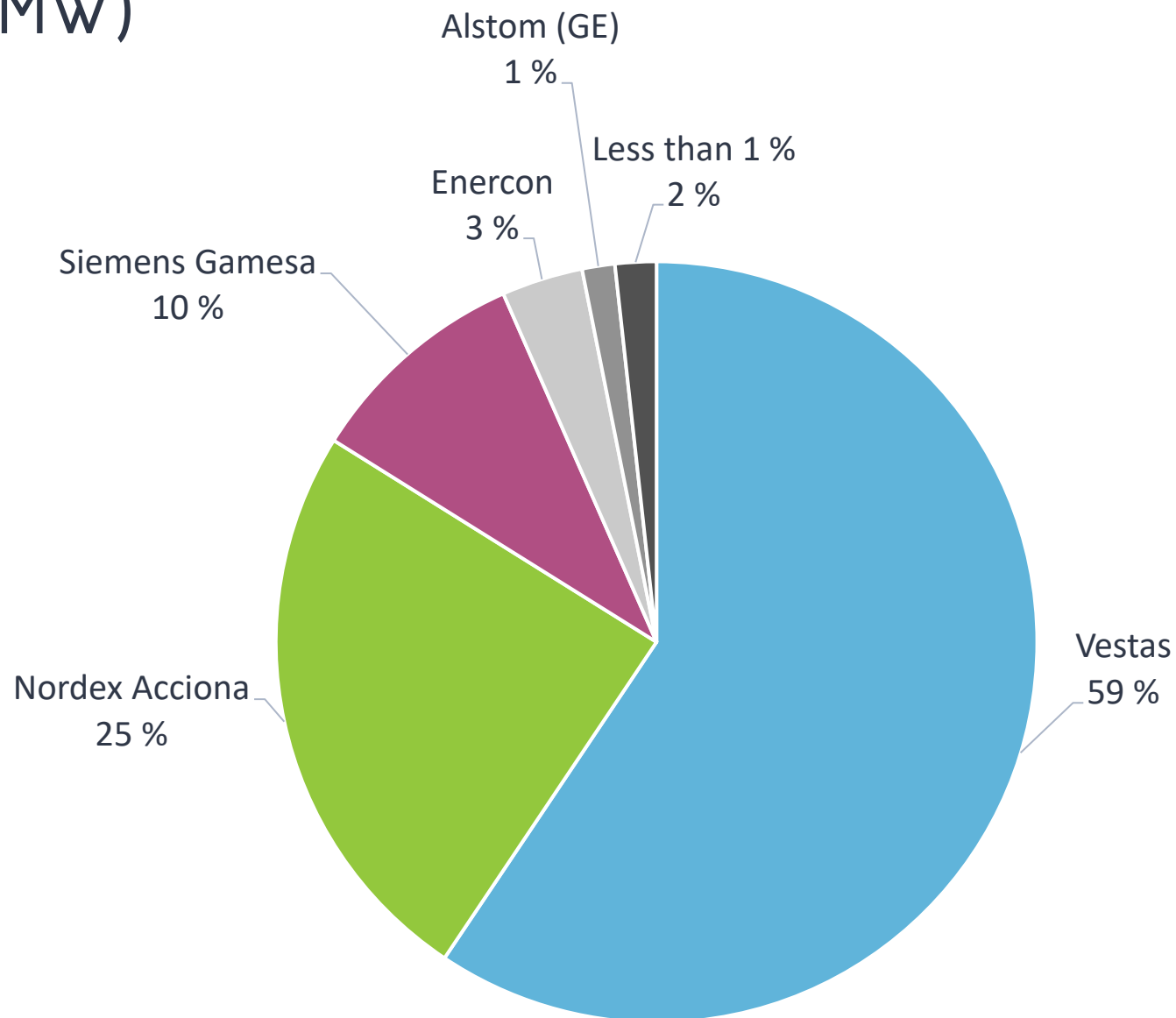
Shares of domestic and foreign owners - cumulative capacity



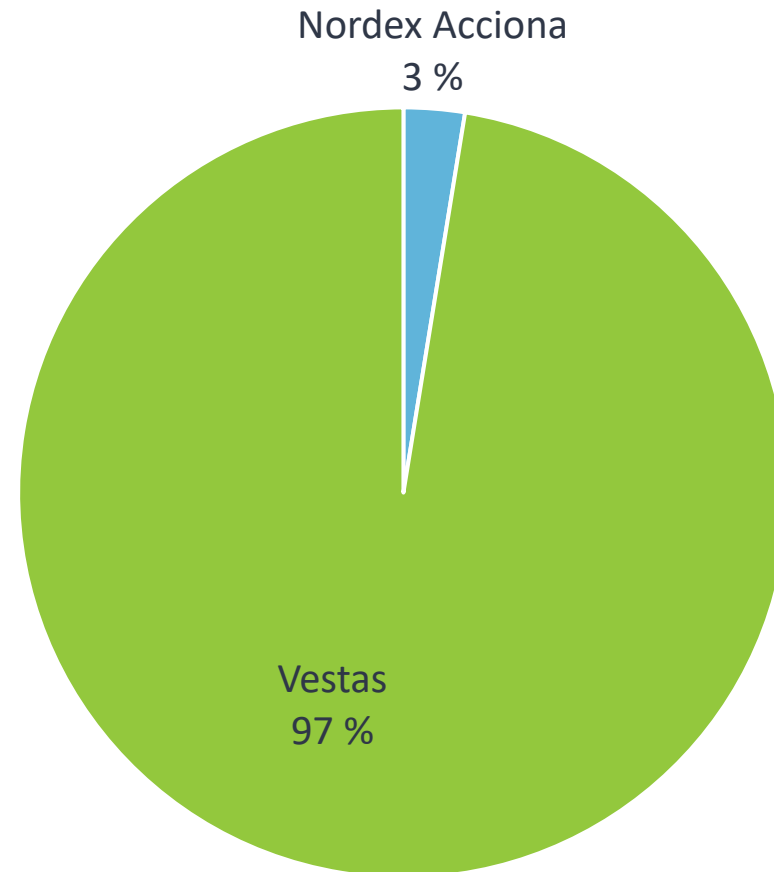
Owners – shares of capacity installed in 2021 (MW)



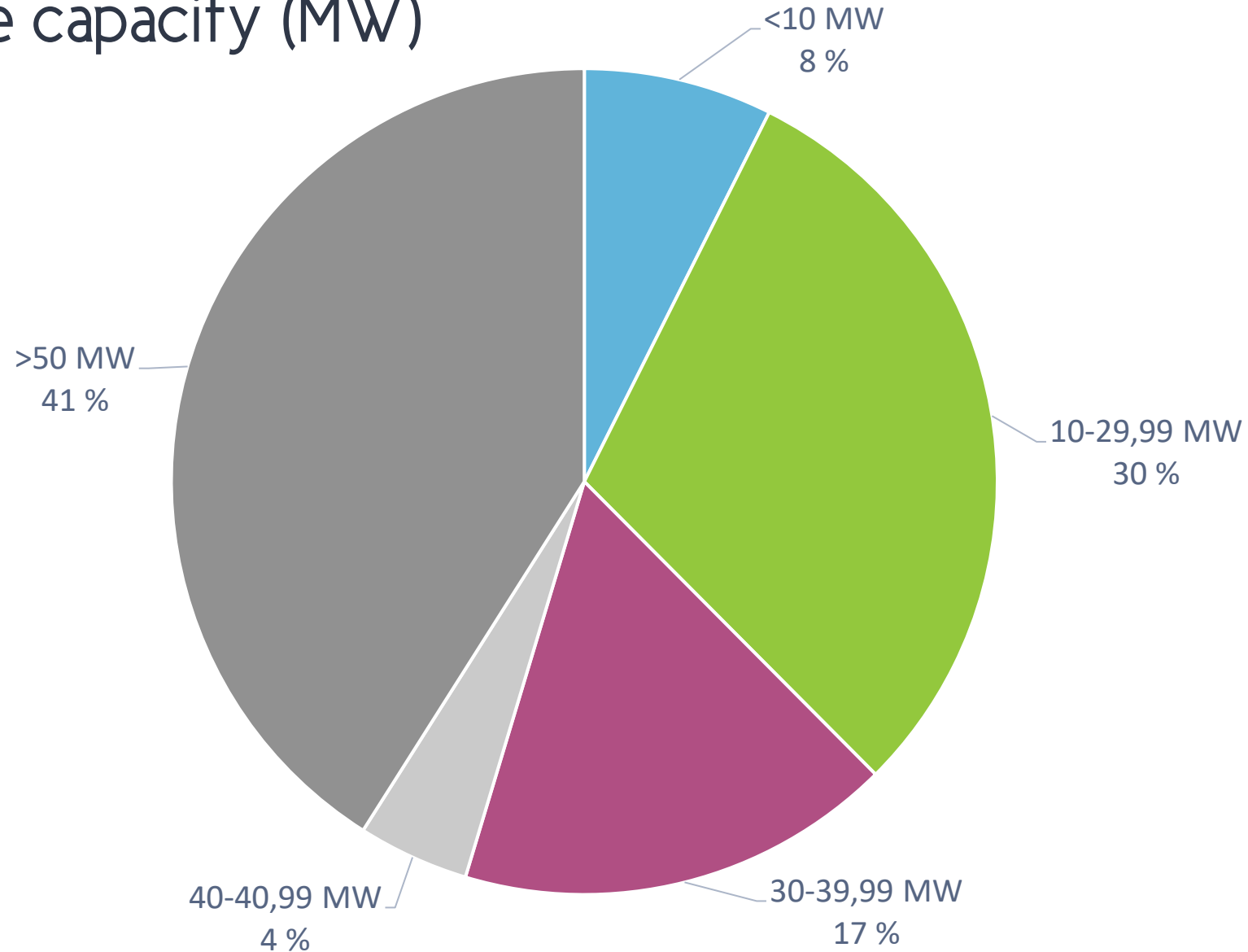
Wind turbine suppliers – shares of cumulative capacity (MW)



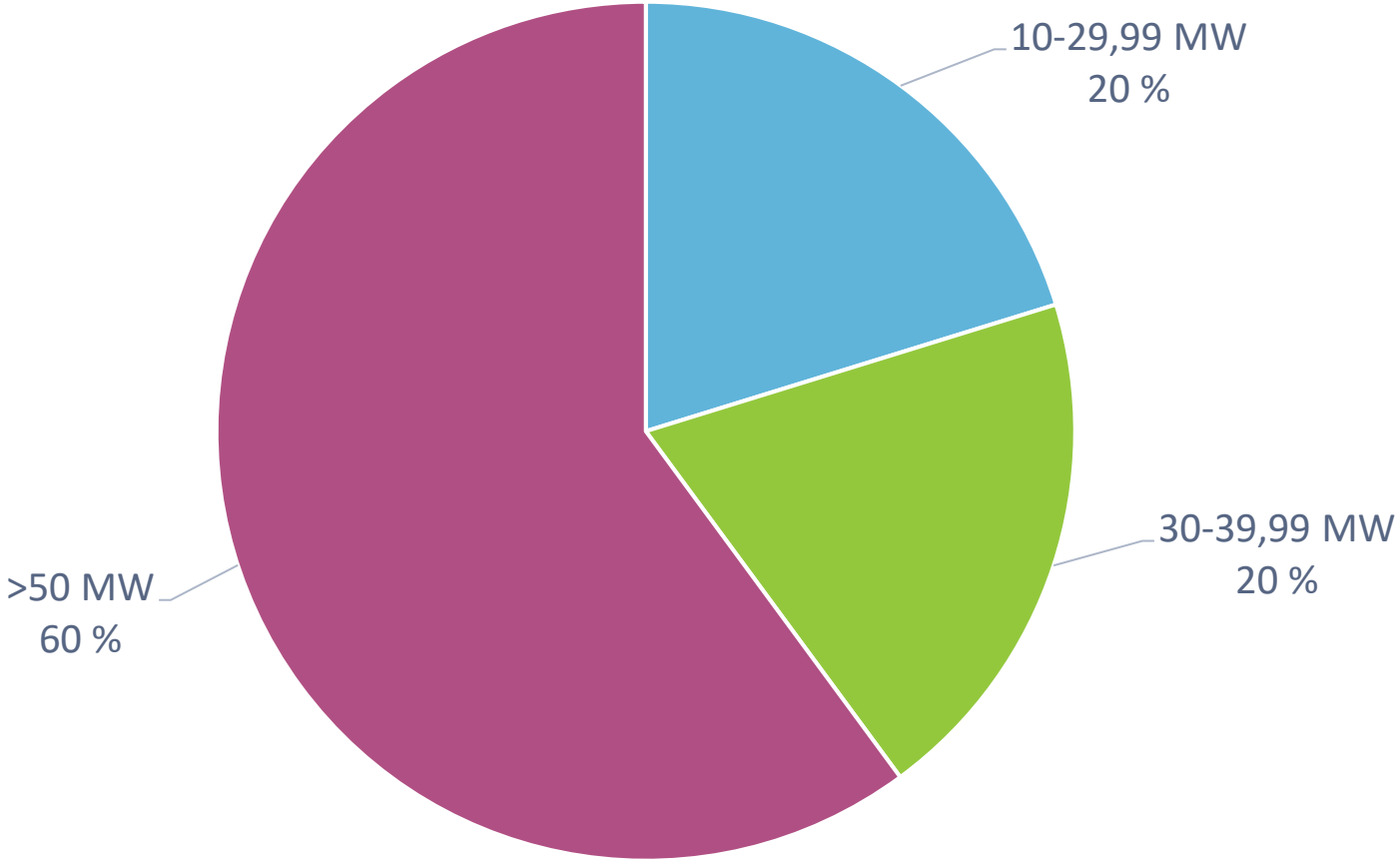
Wind turbine suppliers – shares of capacity that came online in 2021 (MW)



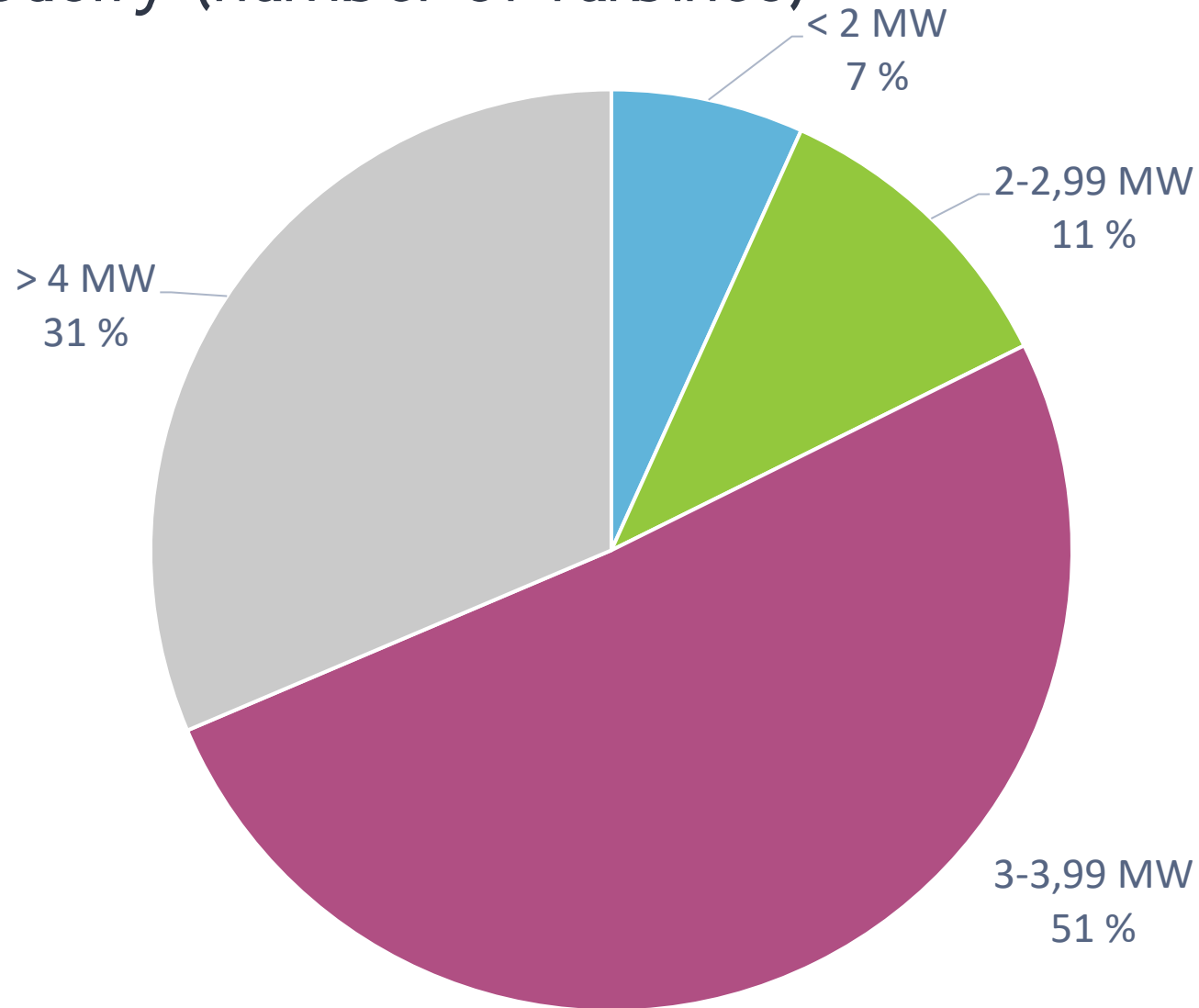
Shares of wind farms in different size categories – cumulative capacity (MW)



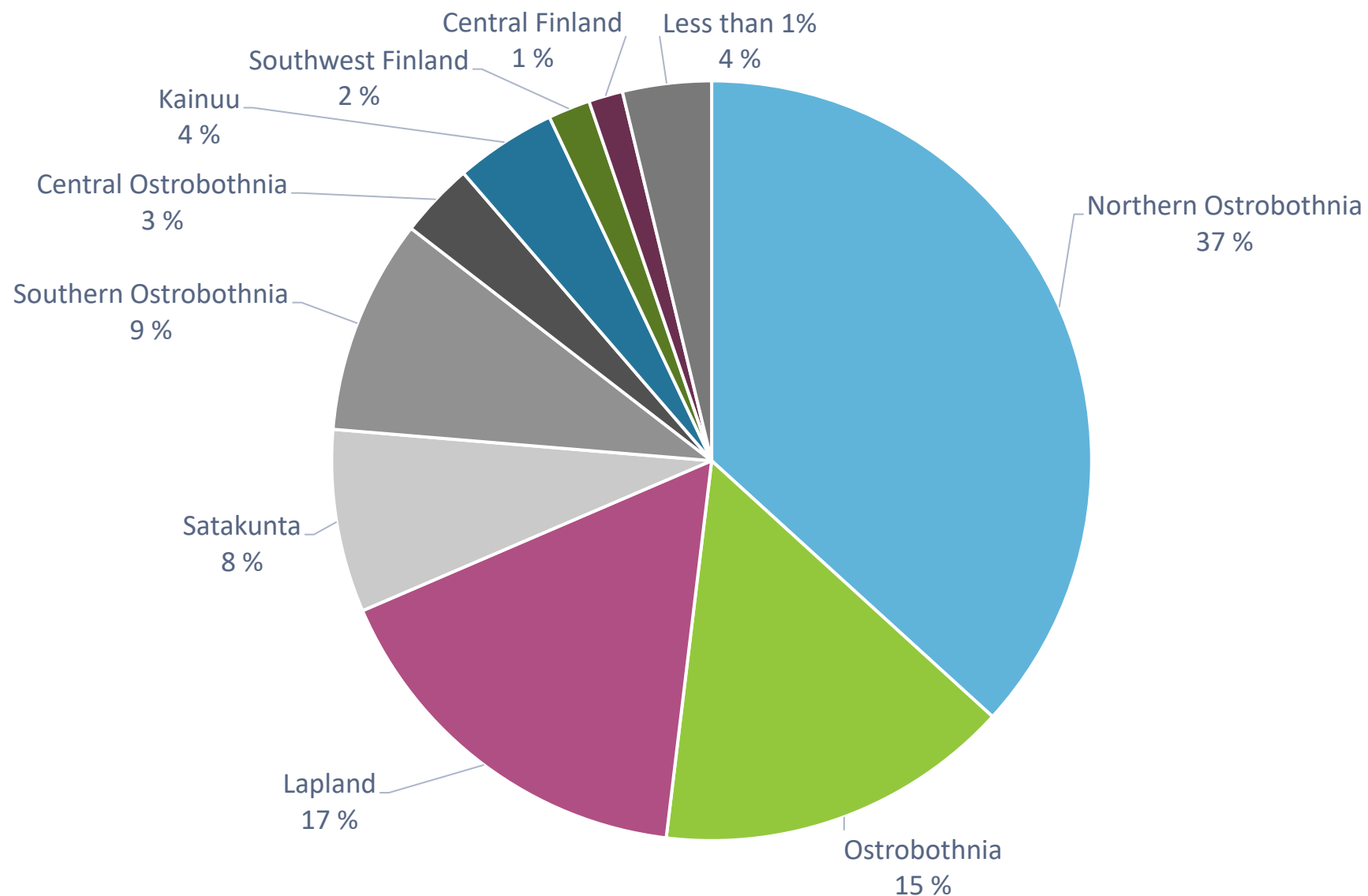
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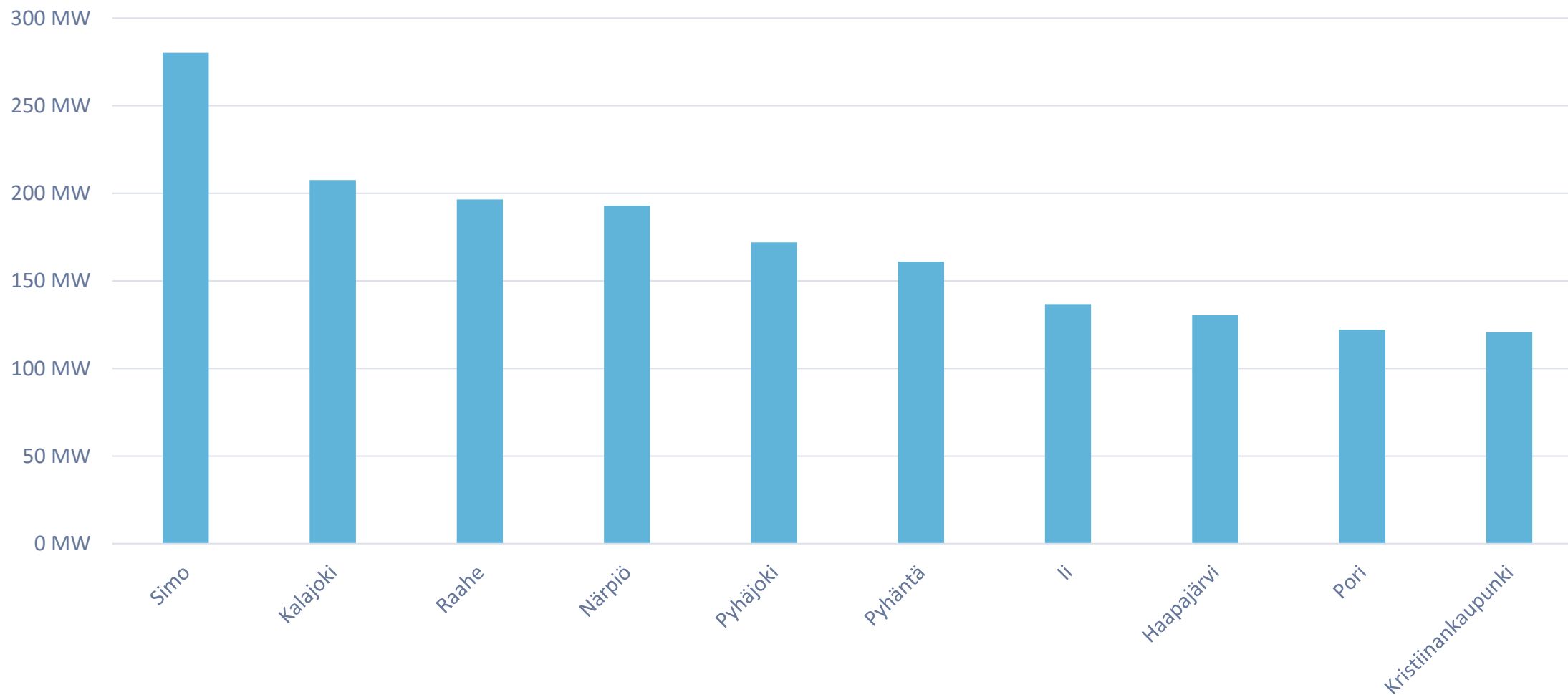
Shares of different wind turbine capacities – cumulative capacity (number of turbines)



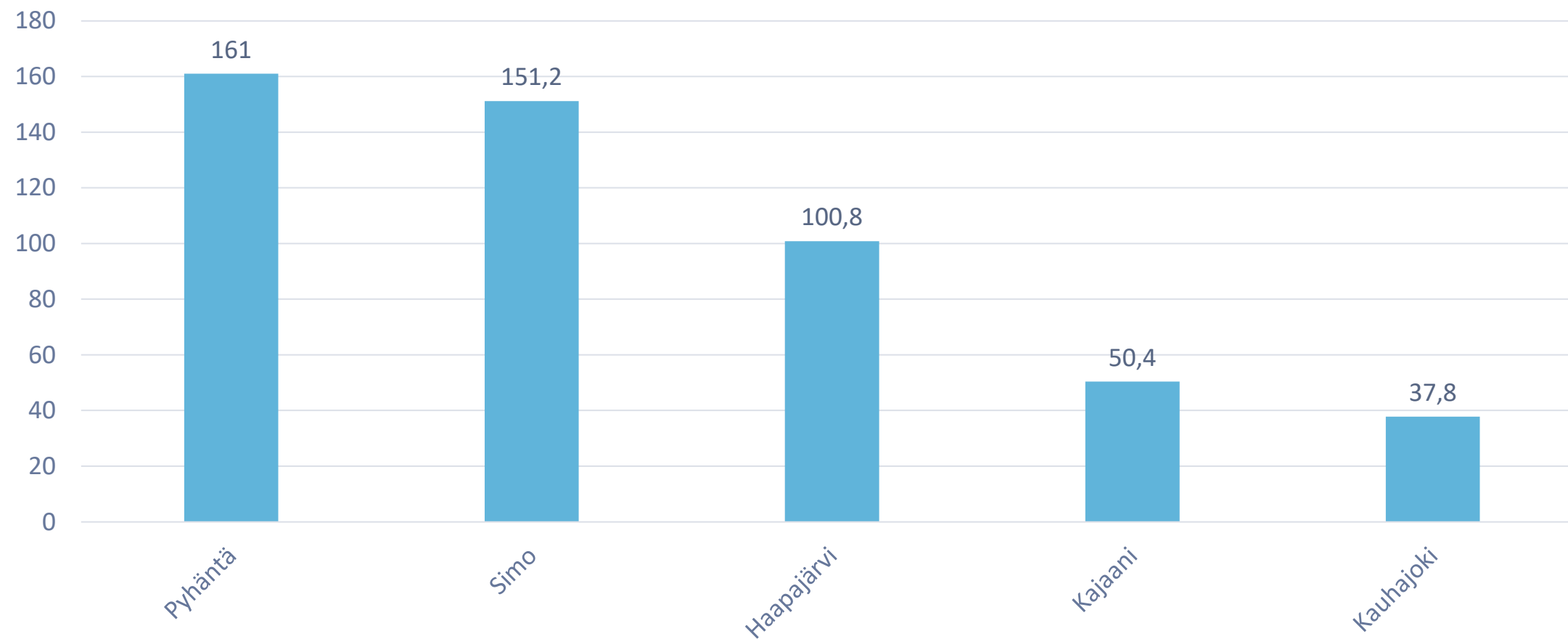
Cumulative wind power capacity by region (MW)



Top 10 municipalities - cumulative capacity (MW)



Installed capacity in 2021 –top 5 municipalities (MW)



Finnish Wind Power Association (FWPA)

- Membership association that promotes wind power, established in 1988
- About 160 company members, about 20 individual members, about 140 support members
 - A comprehensive mix of companies working in the wind power sector
- 5 full-time employees
- Located in Jyväskylä
- Distributes information about wind power, engages actively in public discussion concerning wind power, publishes magazine “Tuulivoima”, etc.
<http://tuulivoimayhdistys.fi/en/>