



Clean energy for
EU islands

ENERGY IN THE AZORES

Challenges & Opportunities



Regional Directorate for Energy
October 2022



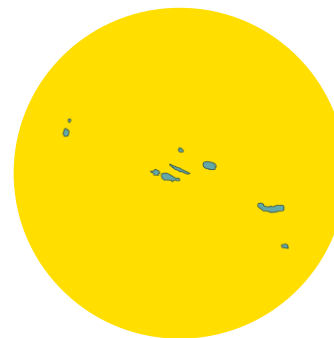
AZORES

9 islands

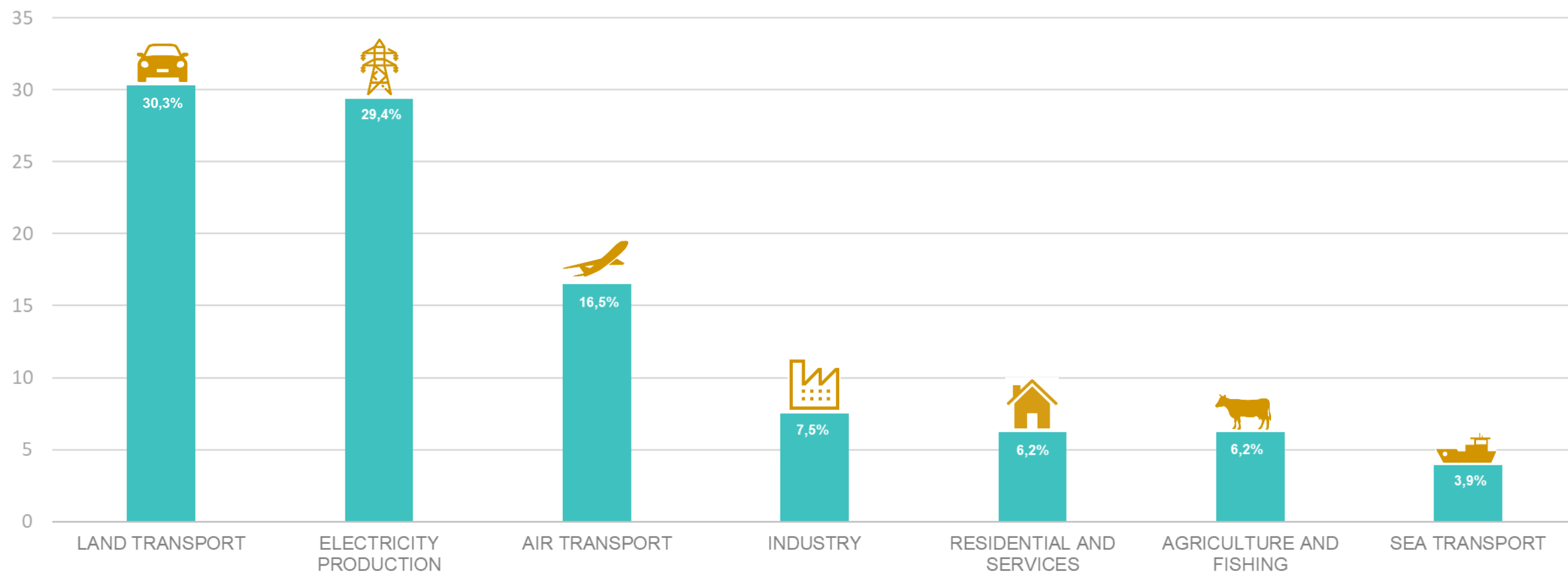
~250 thousand people

~1500 km from Lisbon

No grid connection

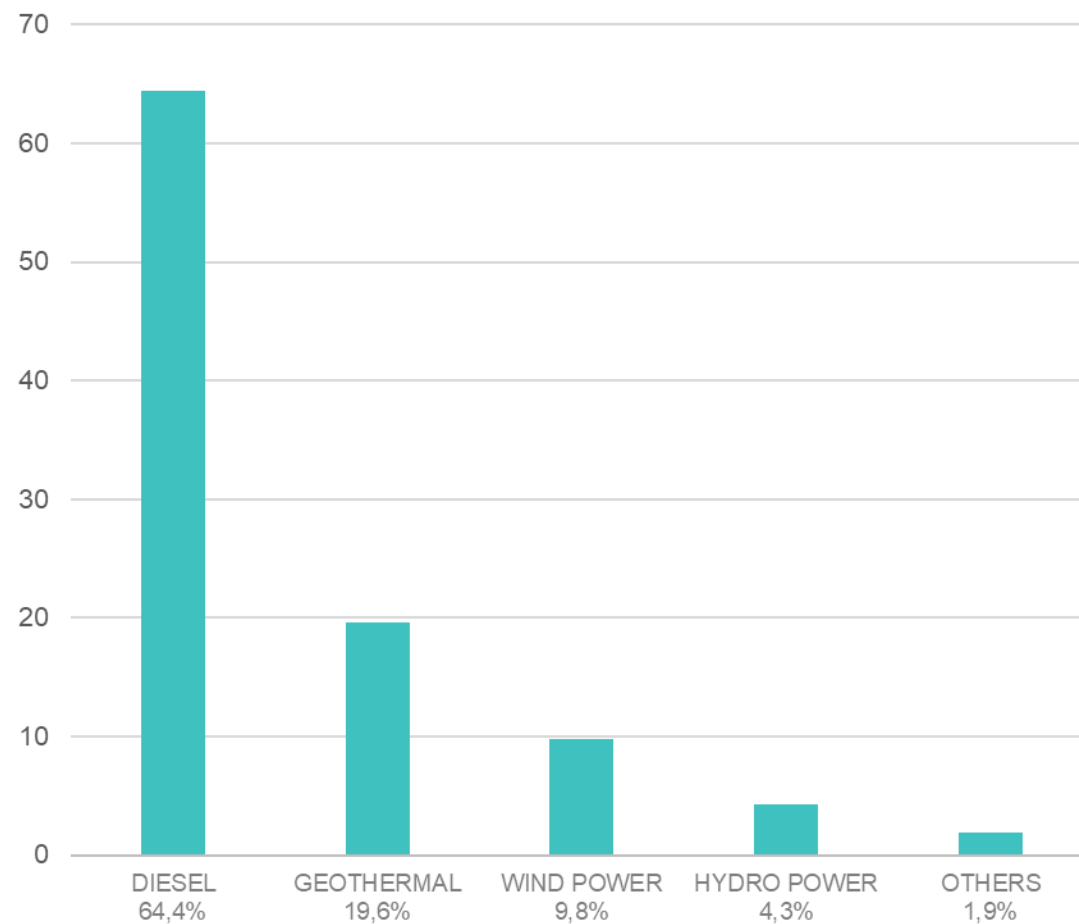


ENERGY IN THE AZORES 2020

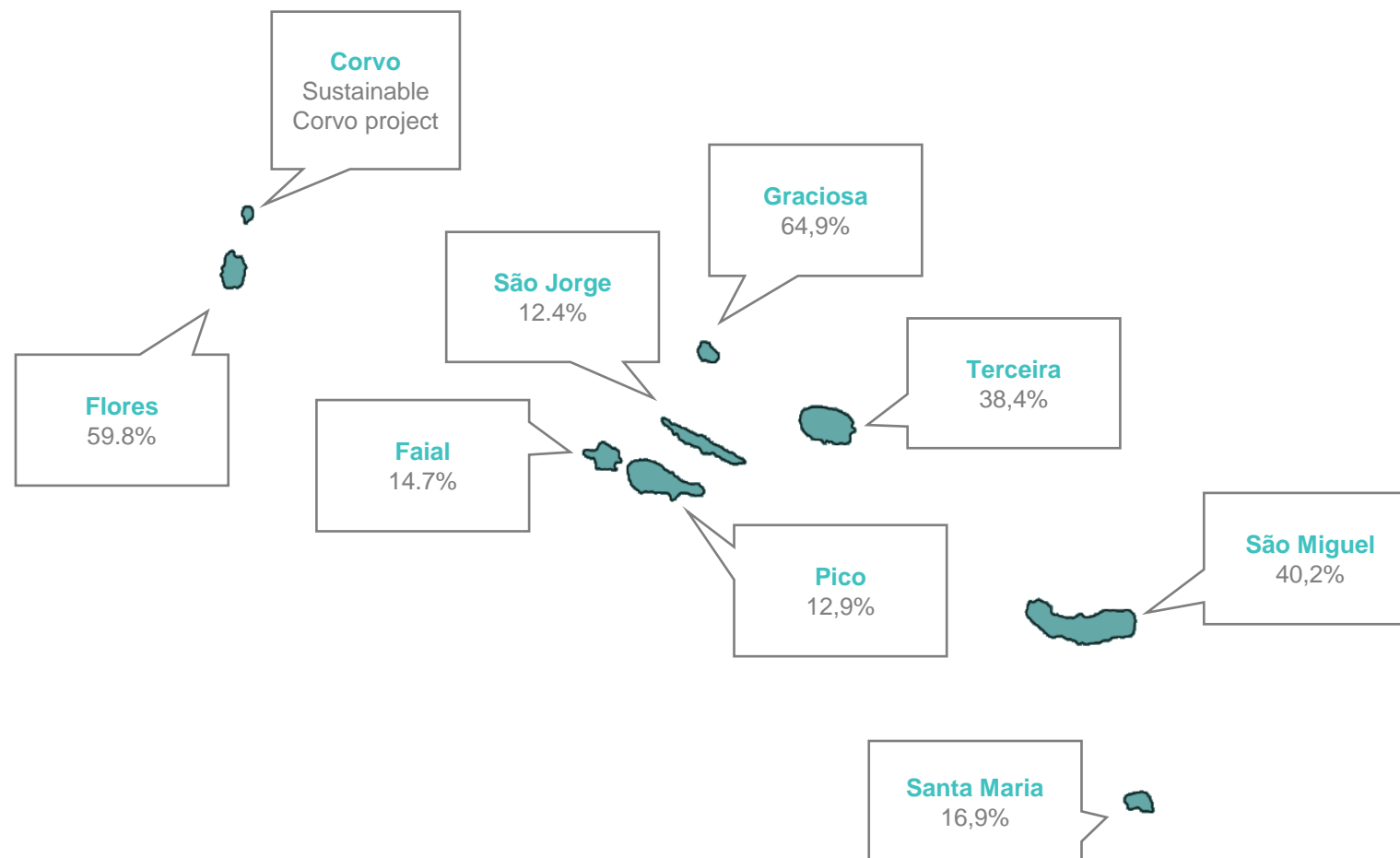




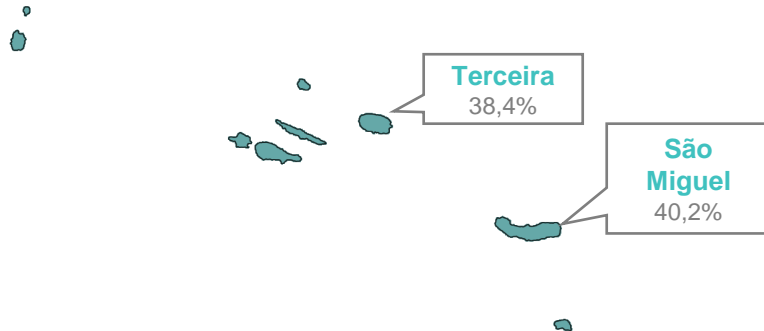
ELECTRICITY IN THE AZORES 2021



ENERGY IN THE AZORES 2021

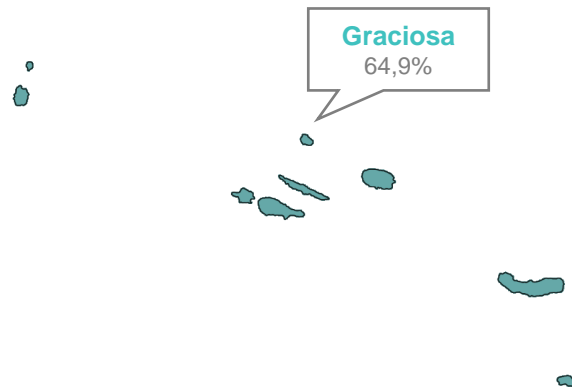


SÃO MIGUEL AND TERCEIRA ISLAND – GEOTHERMAL POWER



Three power plants – one in Terceira Island and two in São Miguel Island – have been proving to be an economically viable and reliable solution whose clean energy production corresponds to almost a quarter of our electricity. New investments are underway to take far advantage of this natural resource.

GRACIOSA ISLAND – GRACIÓLICA PROJECT

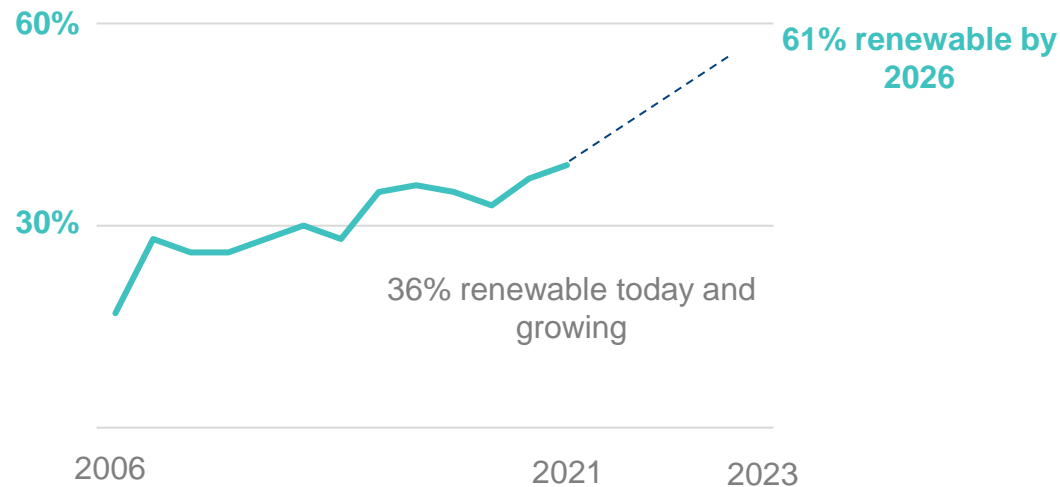


A megawatt-scale grid-forming renewable energy system which combines wind power, solar power and a battery grid storage system, through an all-new energy infrastructure with 5,5 MW.

The renewable contribution to Graciosa is ~65%.

Graciosa sets an example for our other islands.

AZOREAN ARCHIPELAGO – BATTERY-BASED ENERGY STORAGE SYSTEMS



Battery-based energy storage systems are being installed in the other eight islands. This will enable an increased share of renewable energy usage. Also, it will regulate frequency and voltage of the electrical grid, increase security of supply and absorb and store excess energy produced by renewable sources and feed it back into the grid during times of peak consumption or low production.



Clean energy for EU islands



THANK YOU!



AZORES
GOVERNMENT

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