



Perustietoa bioenergiasta 2024

11.3.2024



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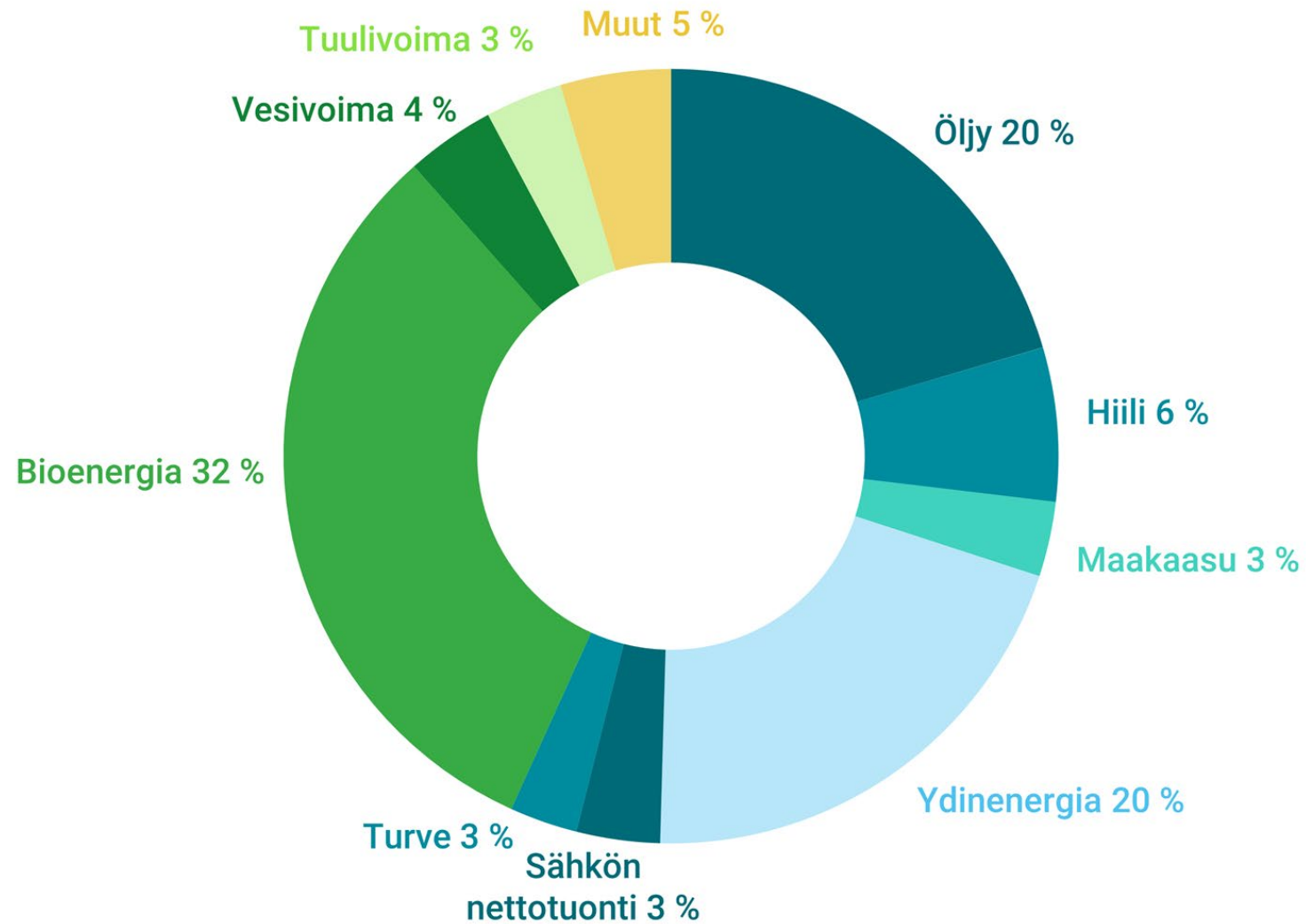




Bioenergia Suomessa

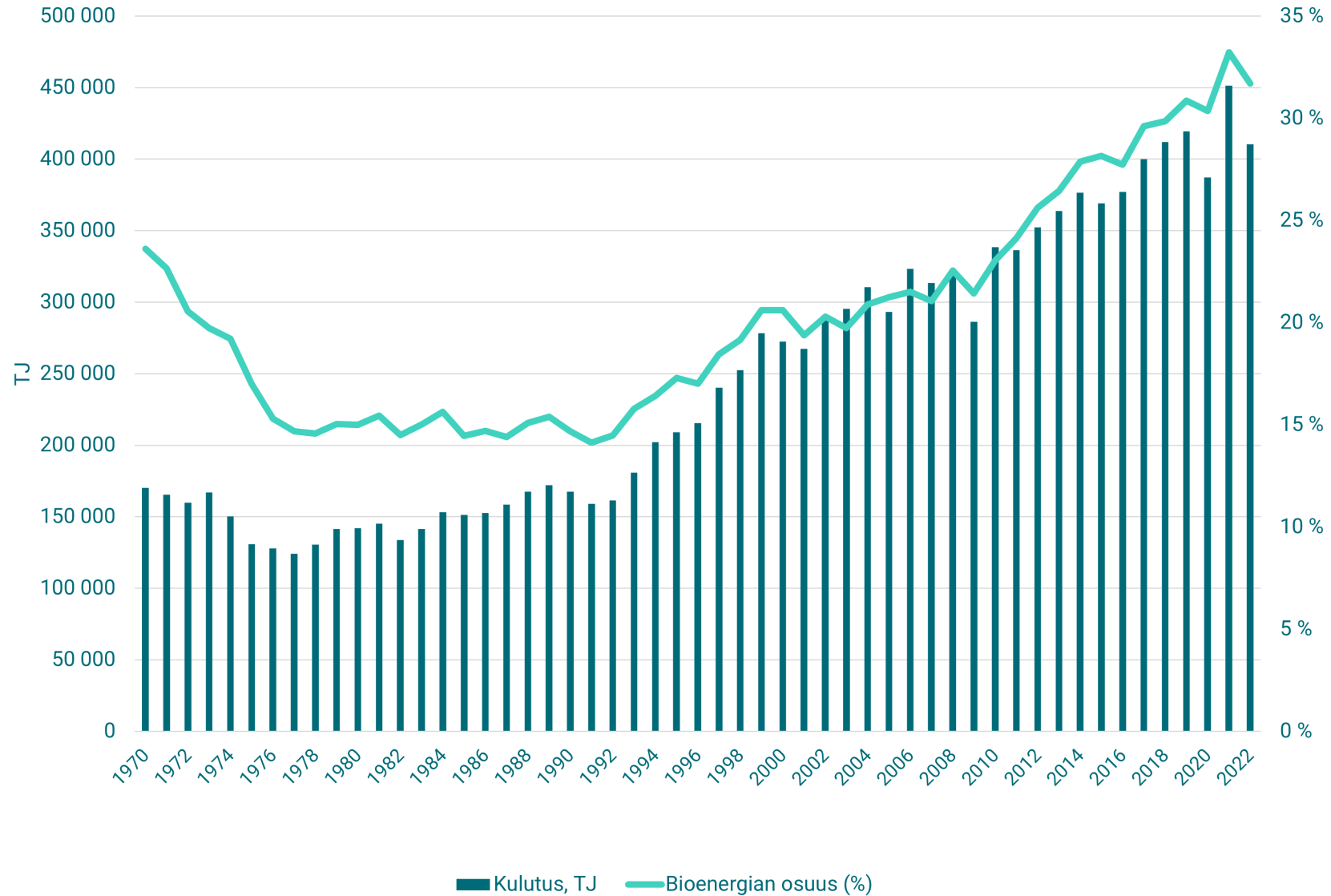


Energian kokonaiskulutus Suomessa 2022

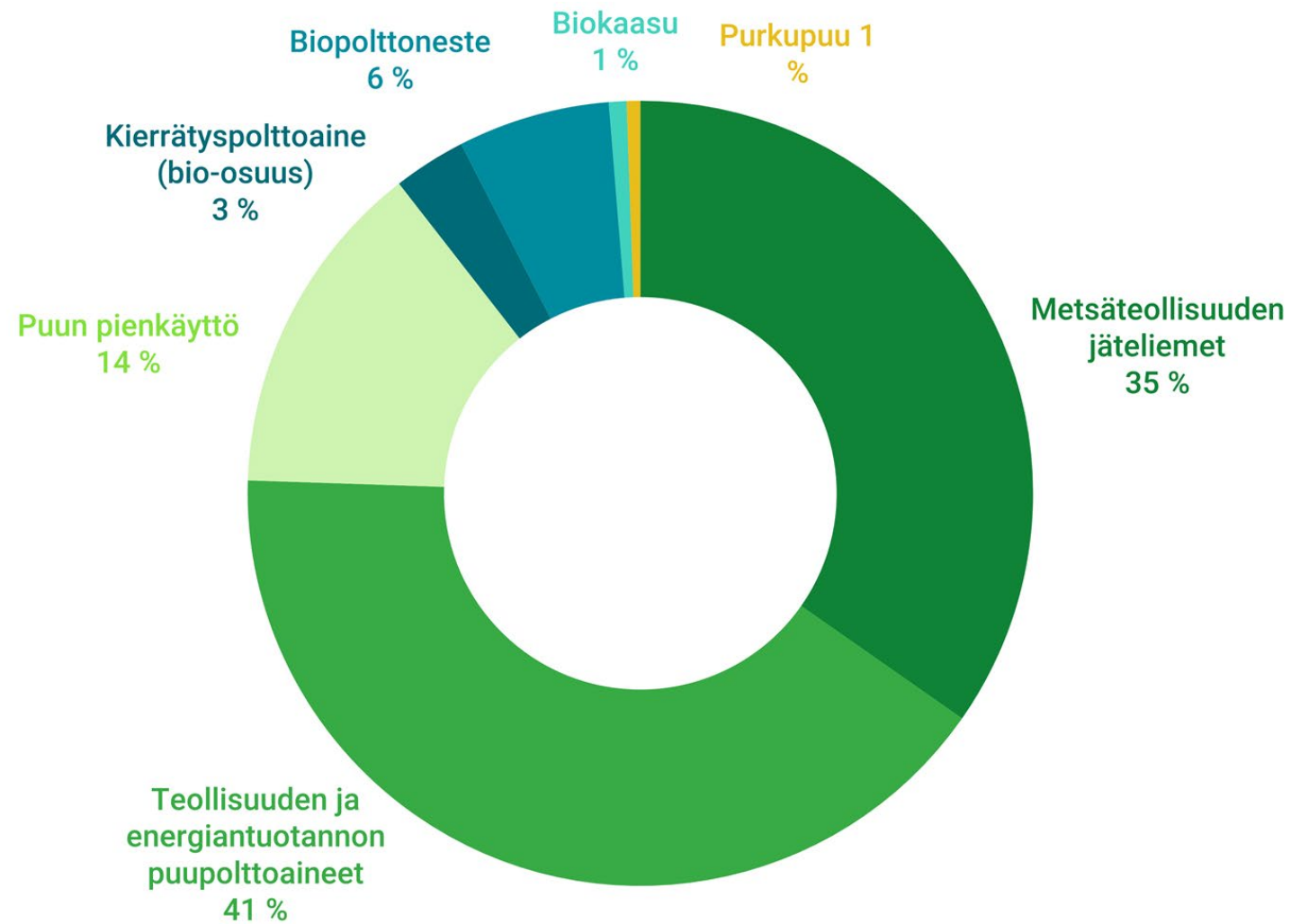




Bioenergia Suomessa 1970–2022

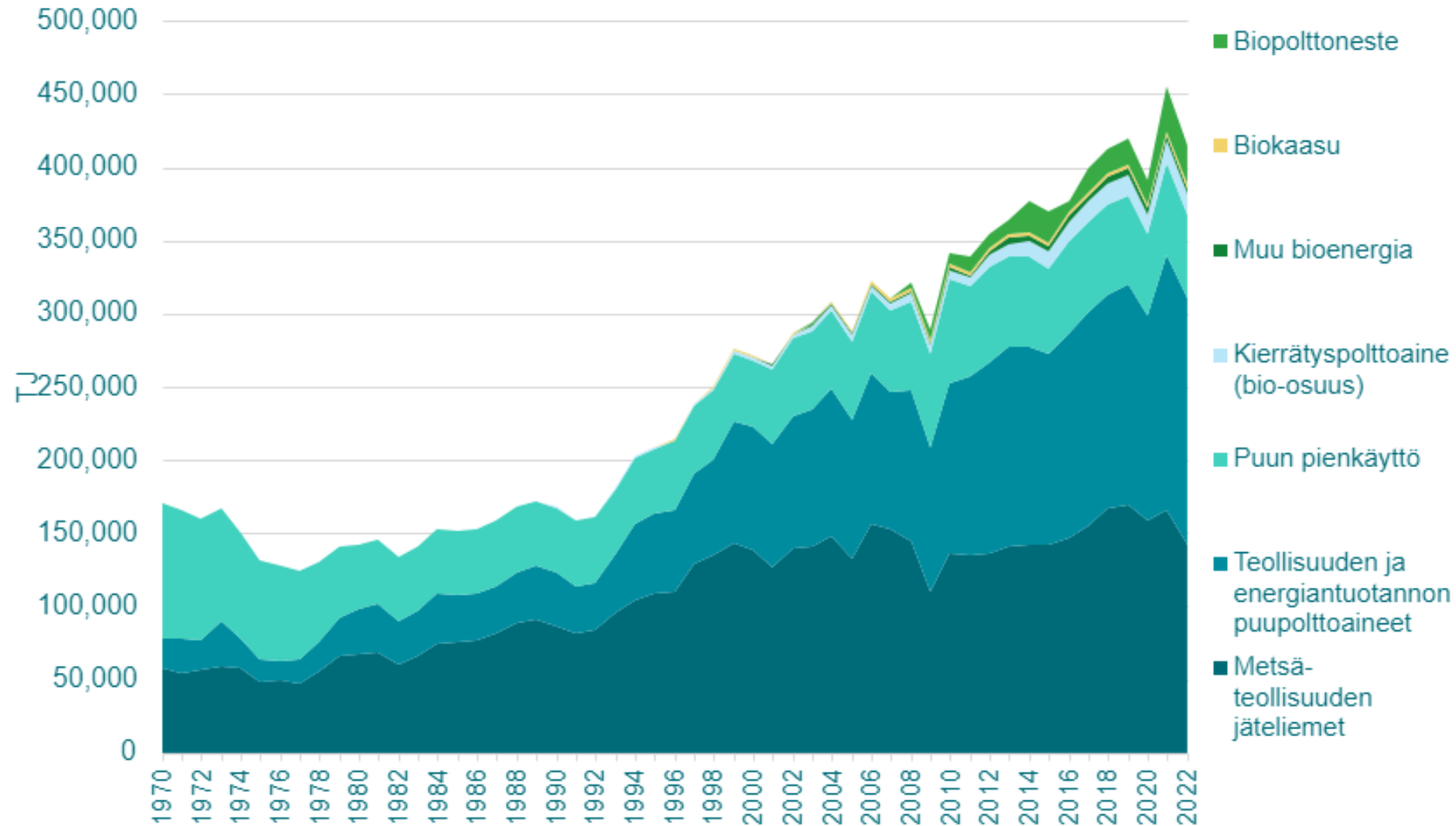


Bioenergia 2022



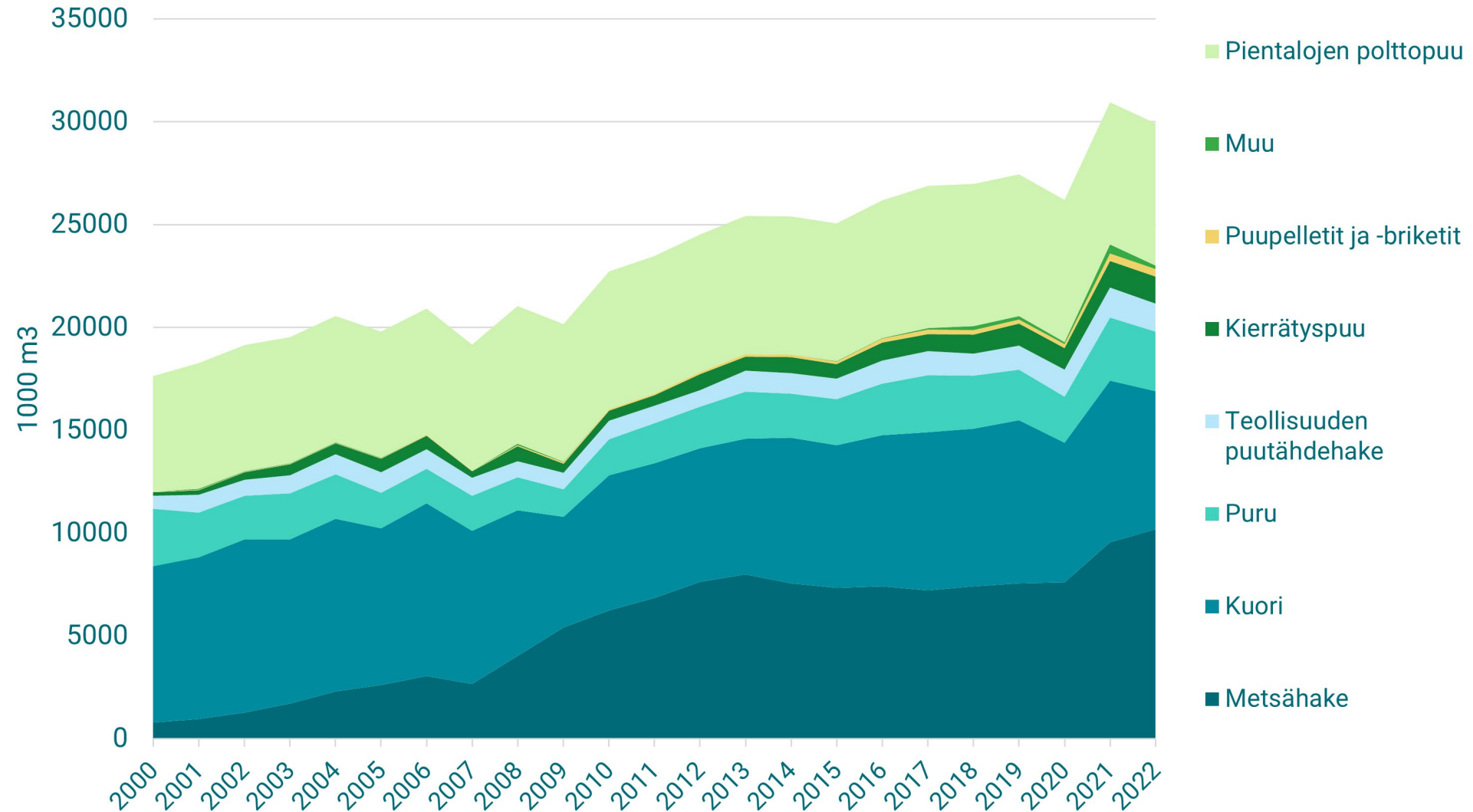


Bioenergia lajeittain 1970 – 2022



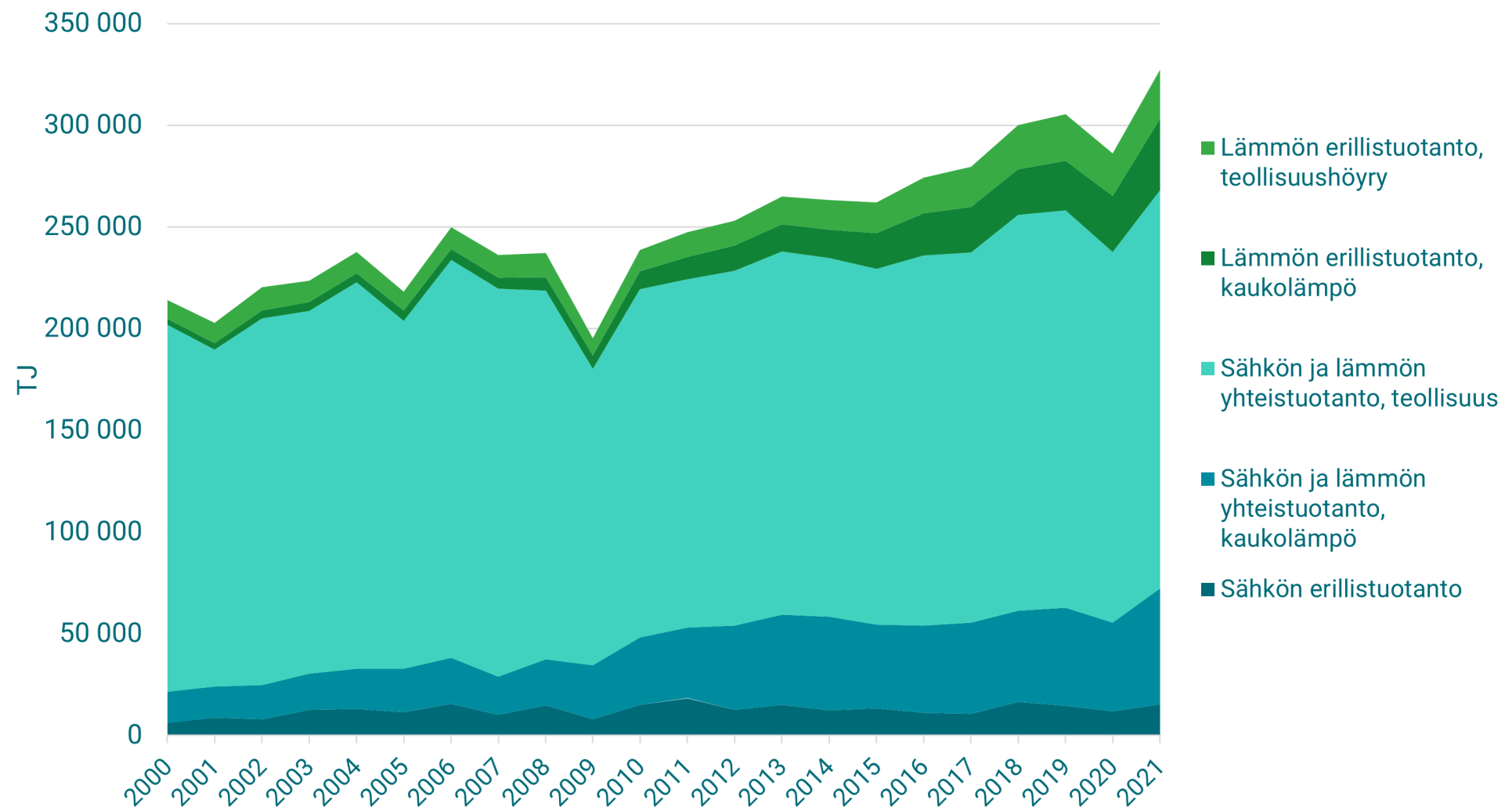


Kiinteät puupolttoaineet lajeittain 2000 – 2022



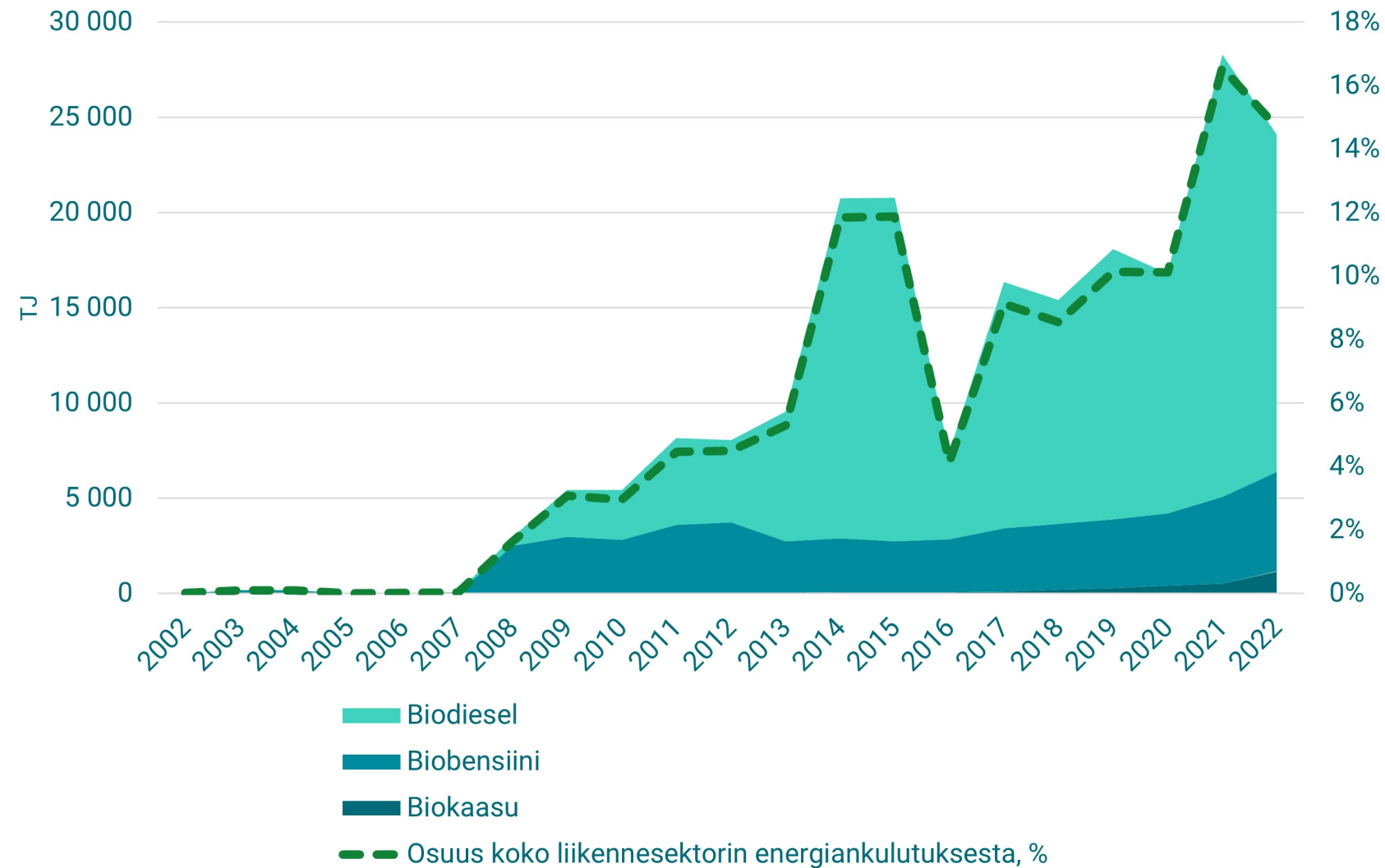


Puupolttoaineiden käyttö 2000 – 2021





Bioenergia liikenteessä 2002 – 2022

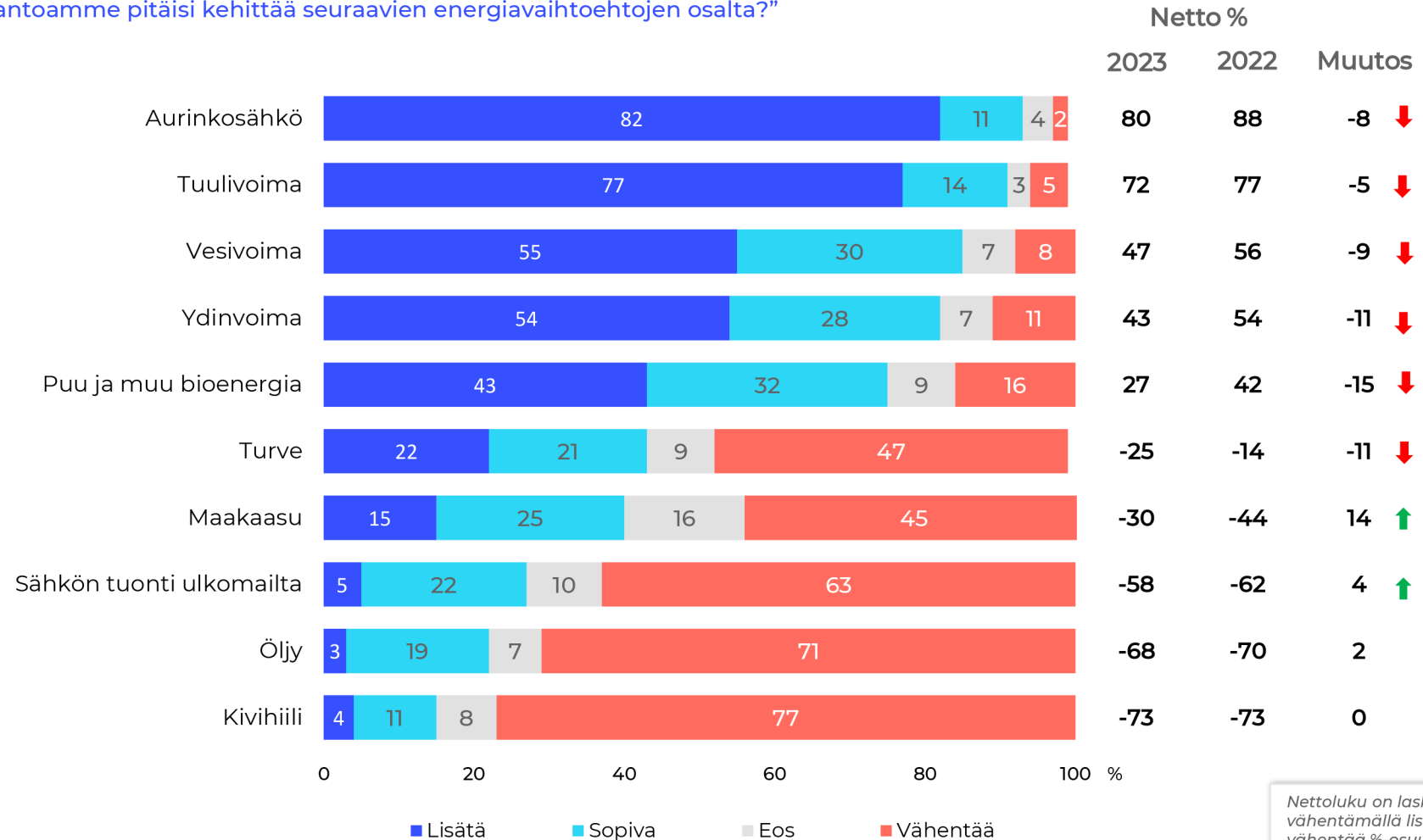




Sähkön tuotannon kehittäminen

”Mihin suuntaan sähköntuotantoamme pitäisi kehittää seuraavien energiavaihtoehtojen osalta?”

Kaikki vastaajat, n=1000



Nettoluku on laskettu vähentämällä lisätä %-osuudesta vähentää %-osuus

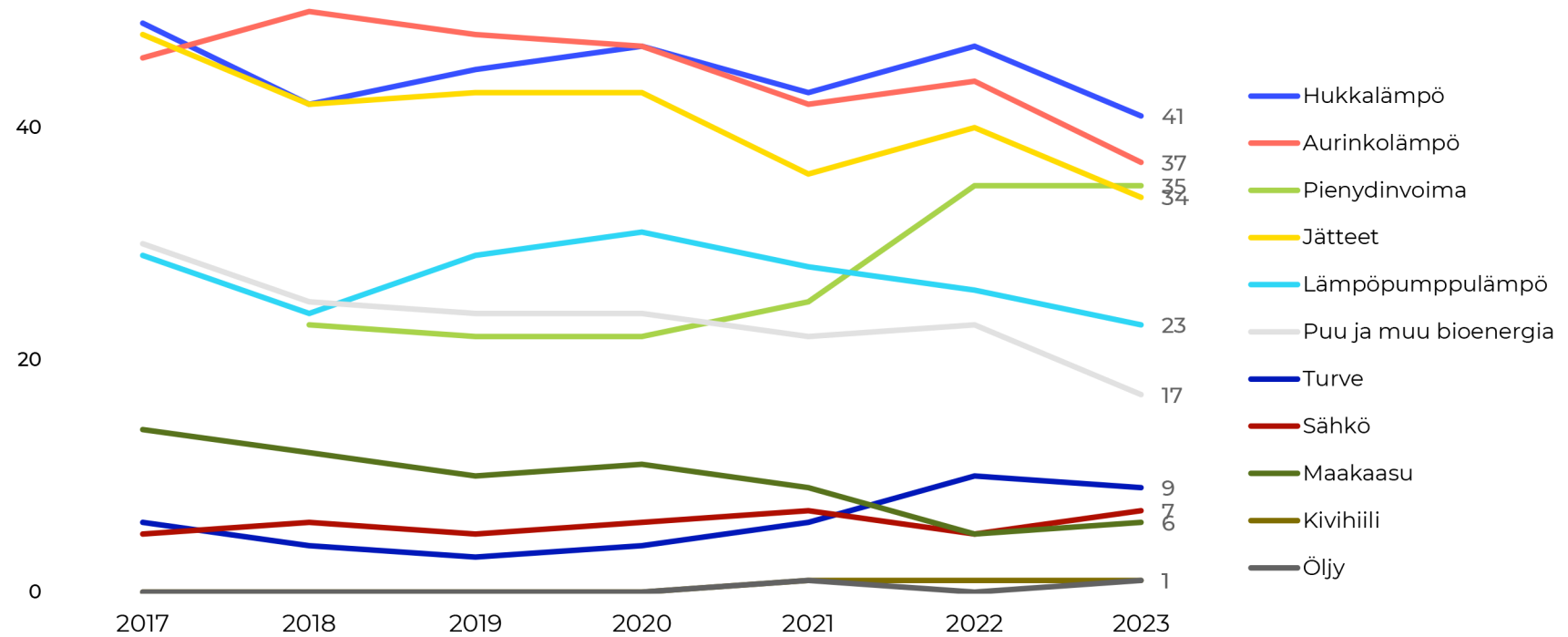


Kaukolämmöntuotannon kehittäminen

"Mihin suuntaan kaukolämmön tuotantoa pitäisi kehittää?"

Kaikki vastaajat, n=1000

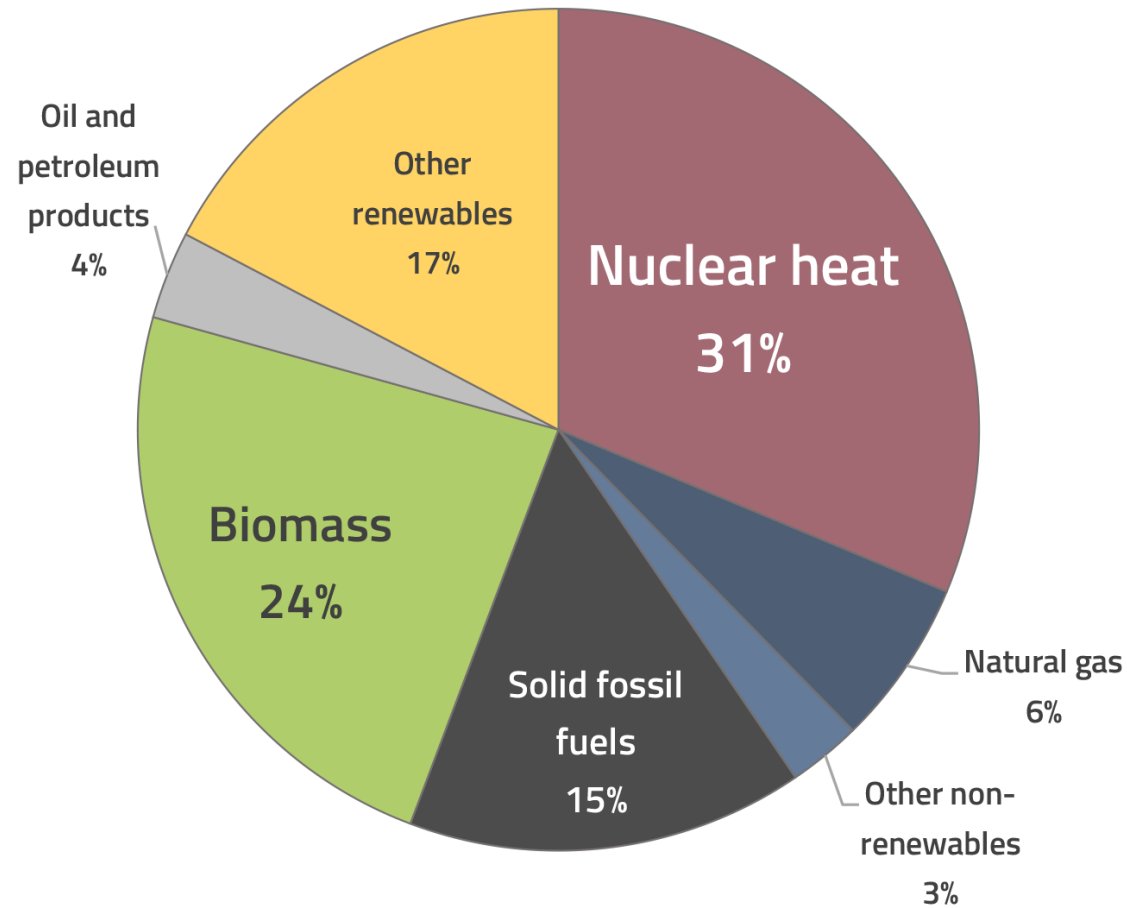
% 60





Bioenergia EU:ssa

Primärienergia EU:ssa 2021

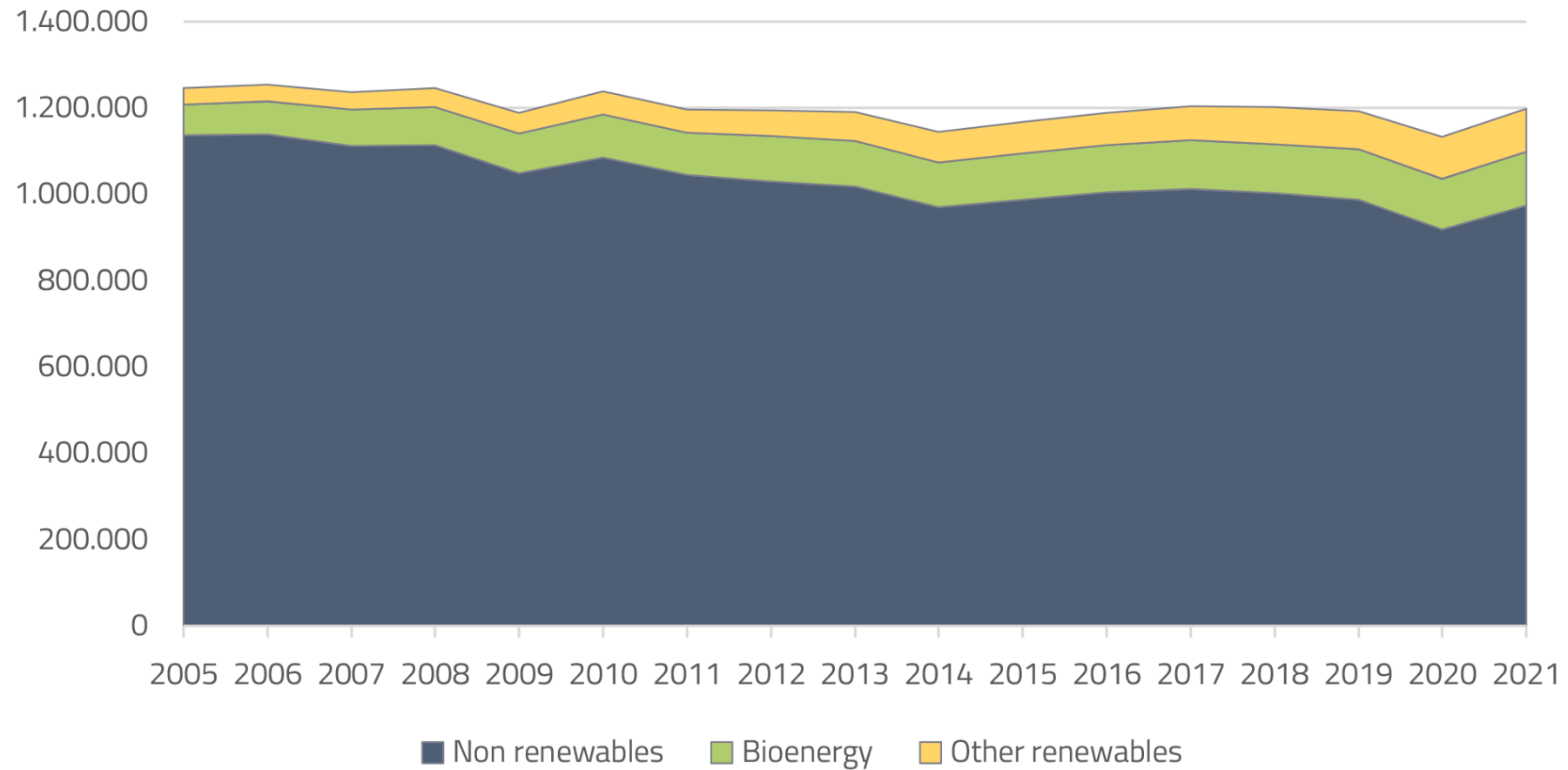


Source: Eurostat

Lähde: Bioenergy Europe, 2023, Report Bioenergy Landscape



Uusiutuvan energian kehitys EU:ssa 2005 - 2021

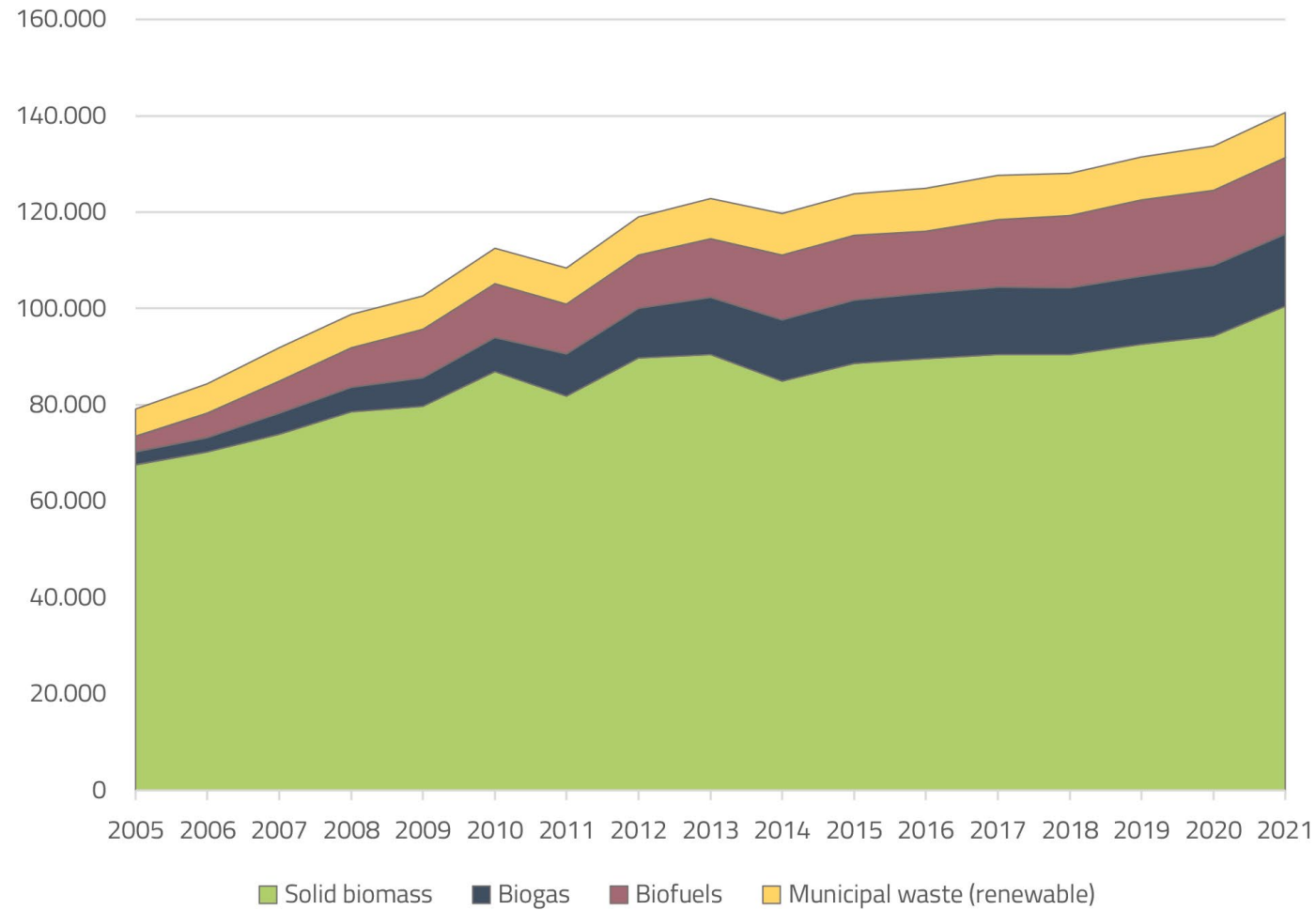


Source: Eurostat

Lähde: Bioenergy Europe, 2023, Report Bioenergy Landscape



Bioenergian kehitys EU:ssa 2005 - 2021



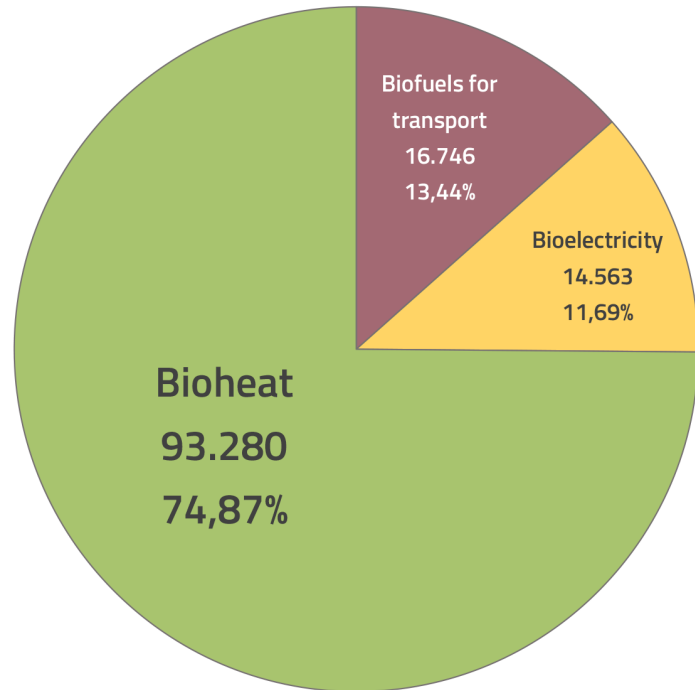
Source: Eurostat

Lähde: Bioenergy Europe, 2023, Report Bioenergy Landscape

Bioenergia 2021

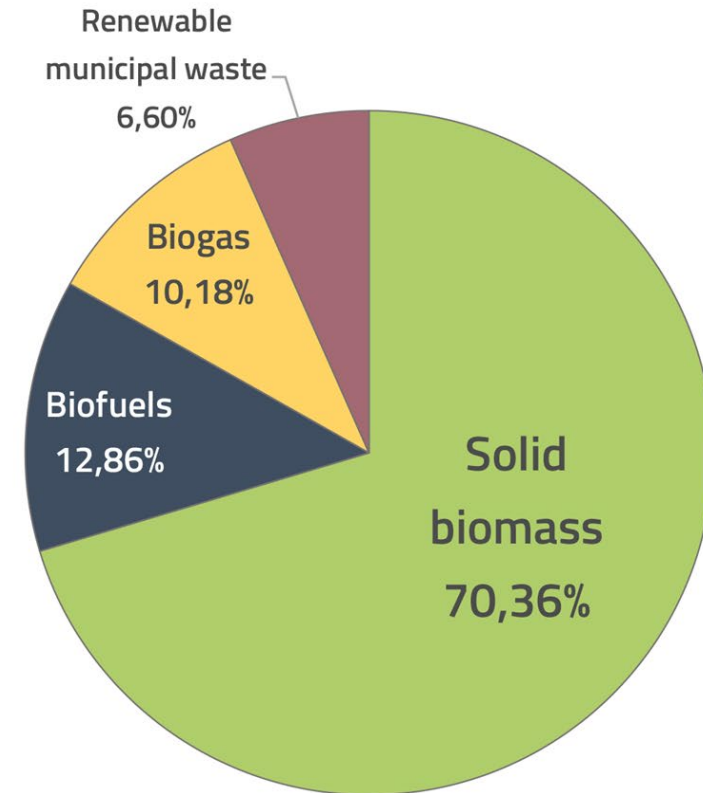


Gross Final Energy Consumption in ktoe:



Source: Eurostat, Bioenergy Europe

Gross Inland Energy Consumption:

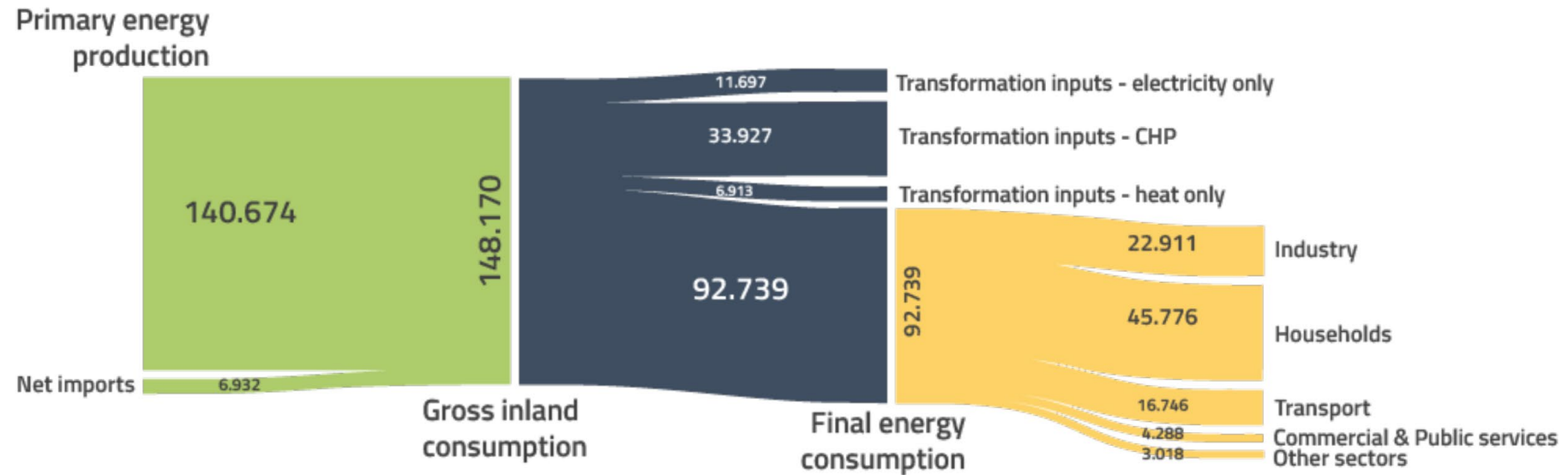


Source: Eurostat

Lähde: Bioenergy Europe, 2023, Bioenergy Landscape & Biomass Supply -Reports



EU:n bioenergiatase 2021

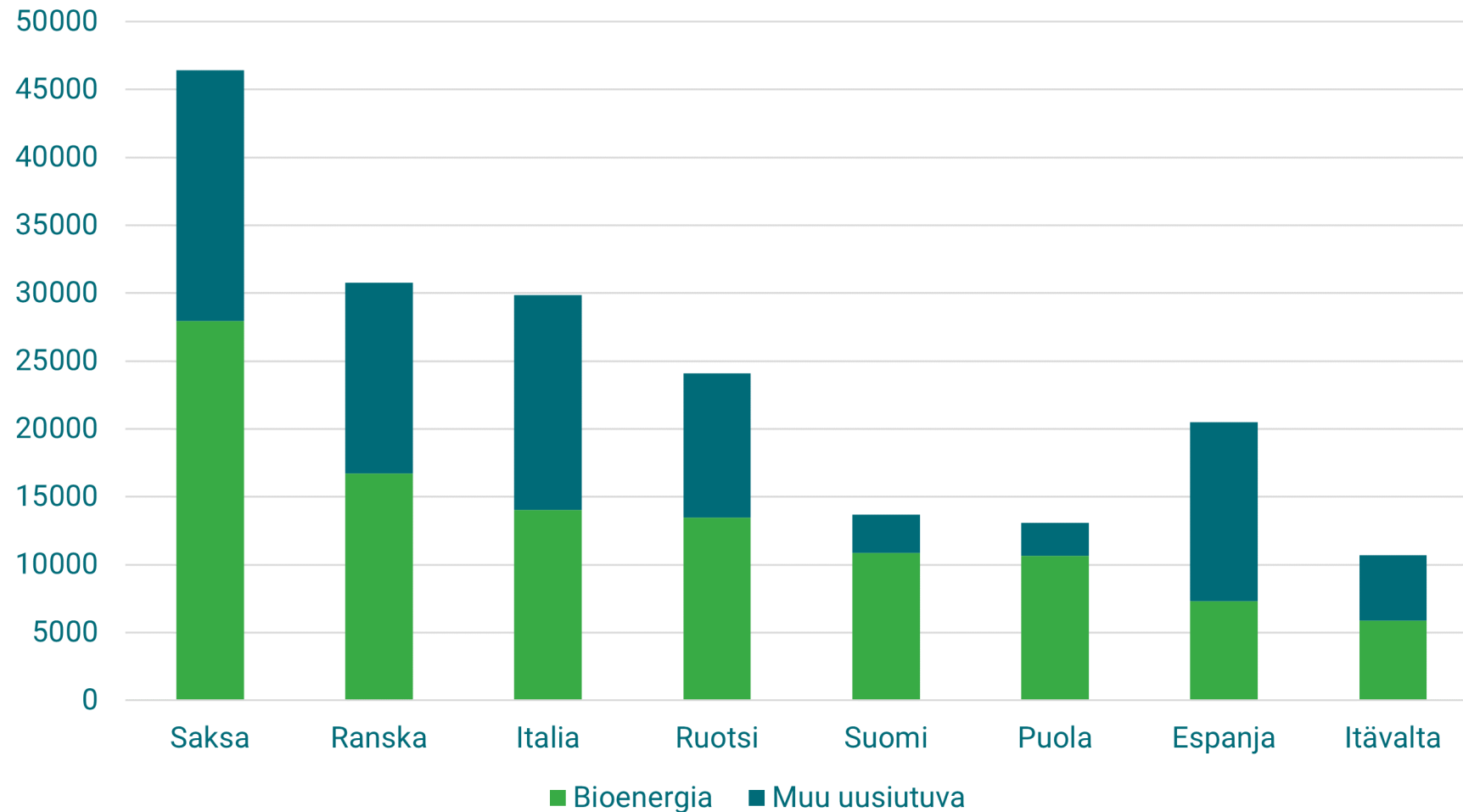


*: Some energy fluxes have not been included for visibility reasons, explaining the slight differences when summing the different values represented. / 'Other sectors' includes agriculture, forestry, fishing and those not specified elsewhere.

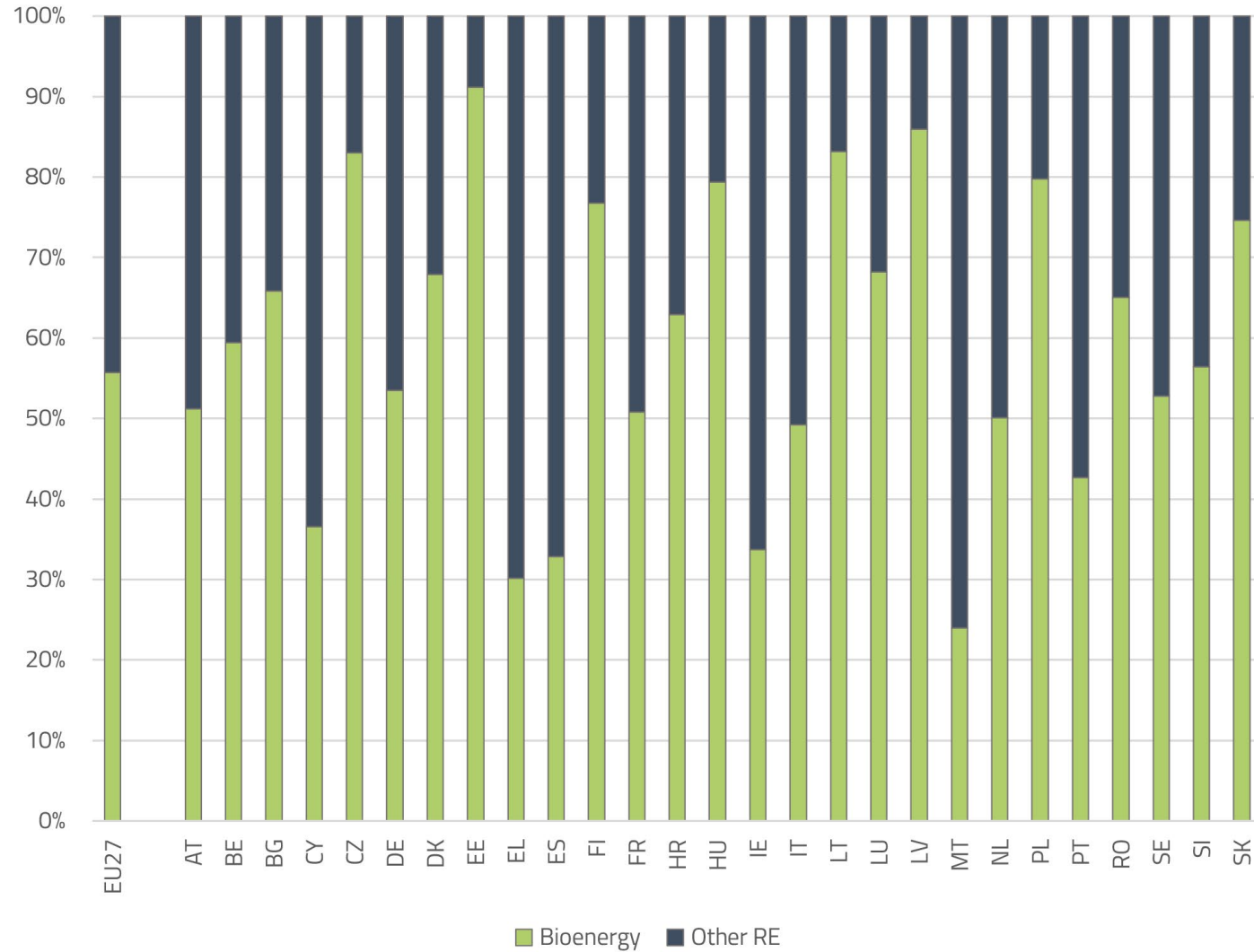
Sources: Eurostat, Bioenergy Europe's calculations



Suurimmat bioenergian käyttäjät 2021 (EU-27, ktoe)



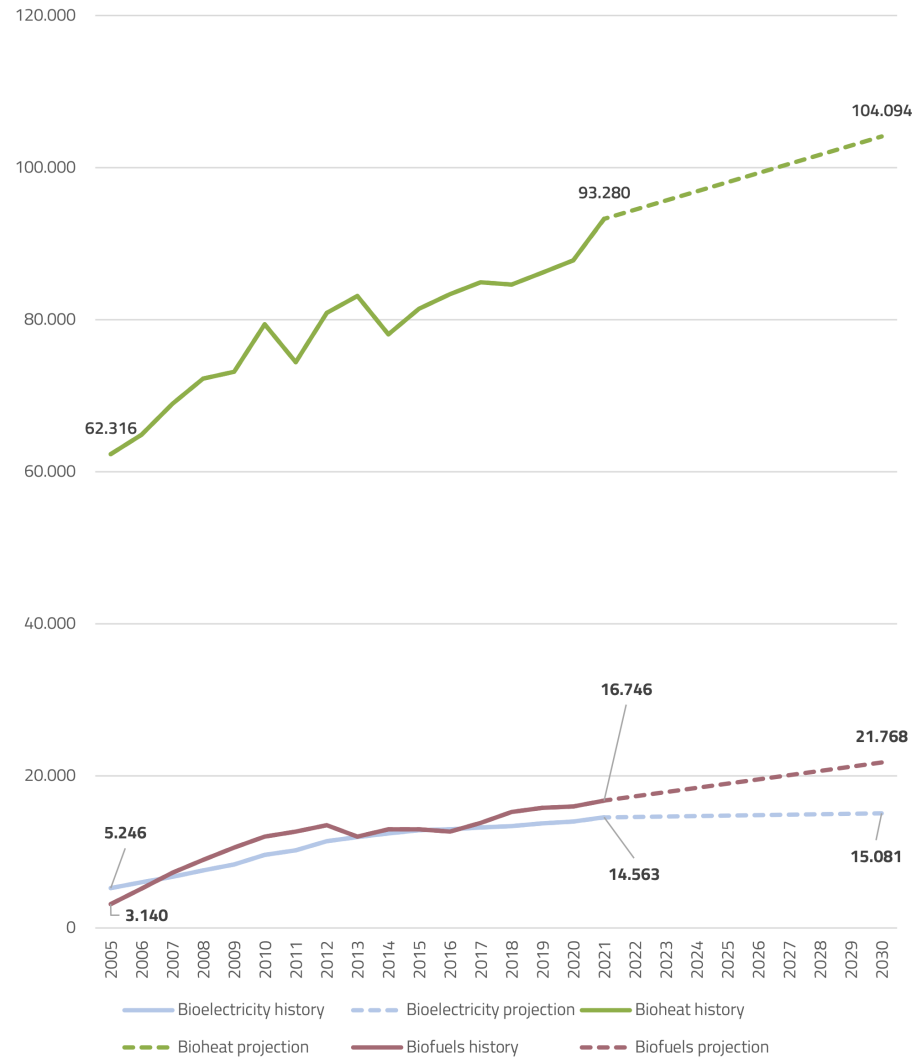
Bioenergia EU:n jäsenmaissa 2021



Source: Eurostat

Lähde: Bioenergy Europe, 2023, Report Bioenergy Landscape

Bioenergian loppukulutuksen (ktoe) kehitysnäkymä EU:ssa, NECP-suunnitelmat



Source: Eurostat, Bioenergy Europe calculations, NECP

Lähde: Bioenergy Europe, 2023, Report Bioenergy Landscape

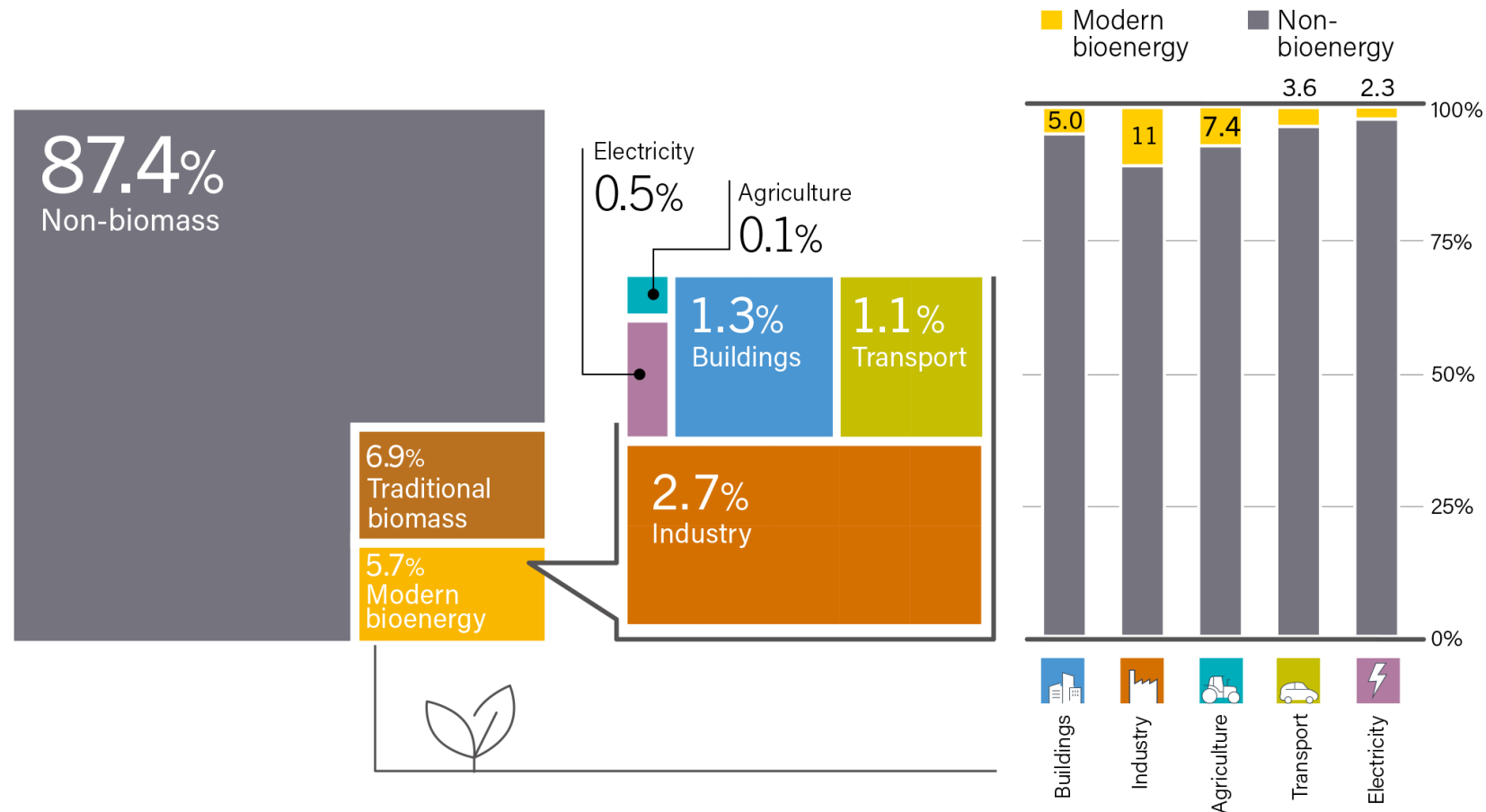


Bioenergia maailmassa



Bioenergialla suuri rooli lämmöntuotannossa

FIGURE 13.
Share of Bioenergy in Total Final Energy Consumption, 2020



Source: See endnote 8 for this section.

Lähde: REN21, 2023, [the Renewables 2023 Global Status Report \(GSR\)](#)

Rooli sähkötuotannossa pienempi

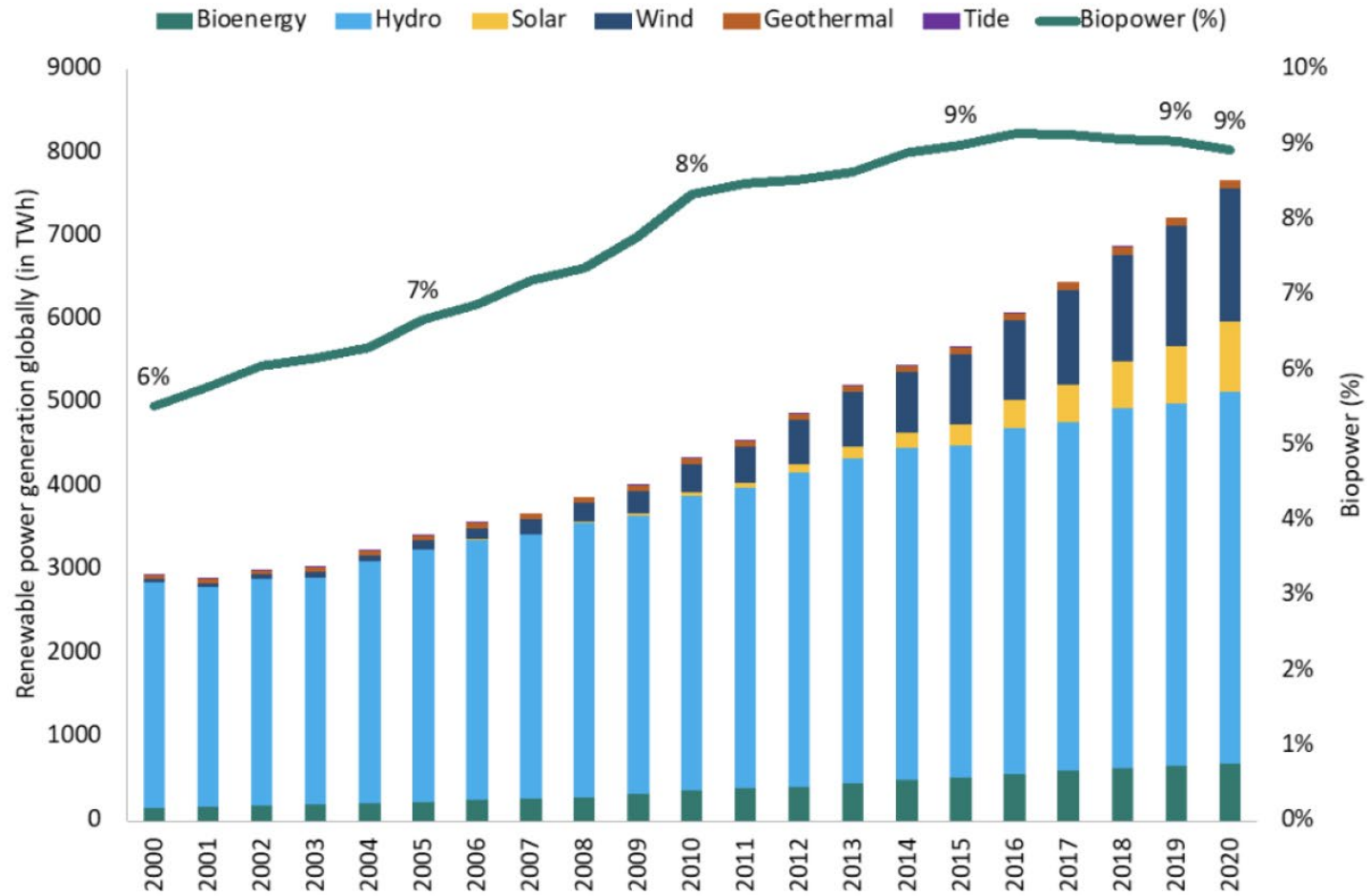


Figure 16 Renewable power generation and share of bioenergy

Liikenteen bioenergian käytössä kasvua 2000-luvulla

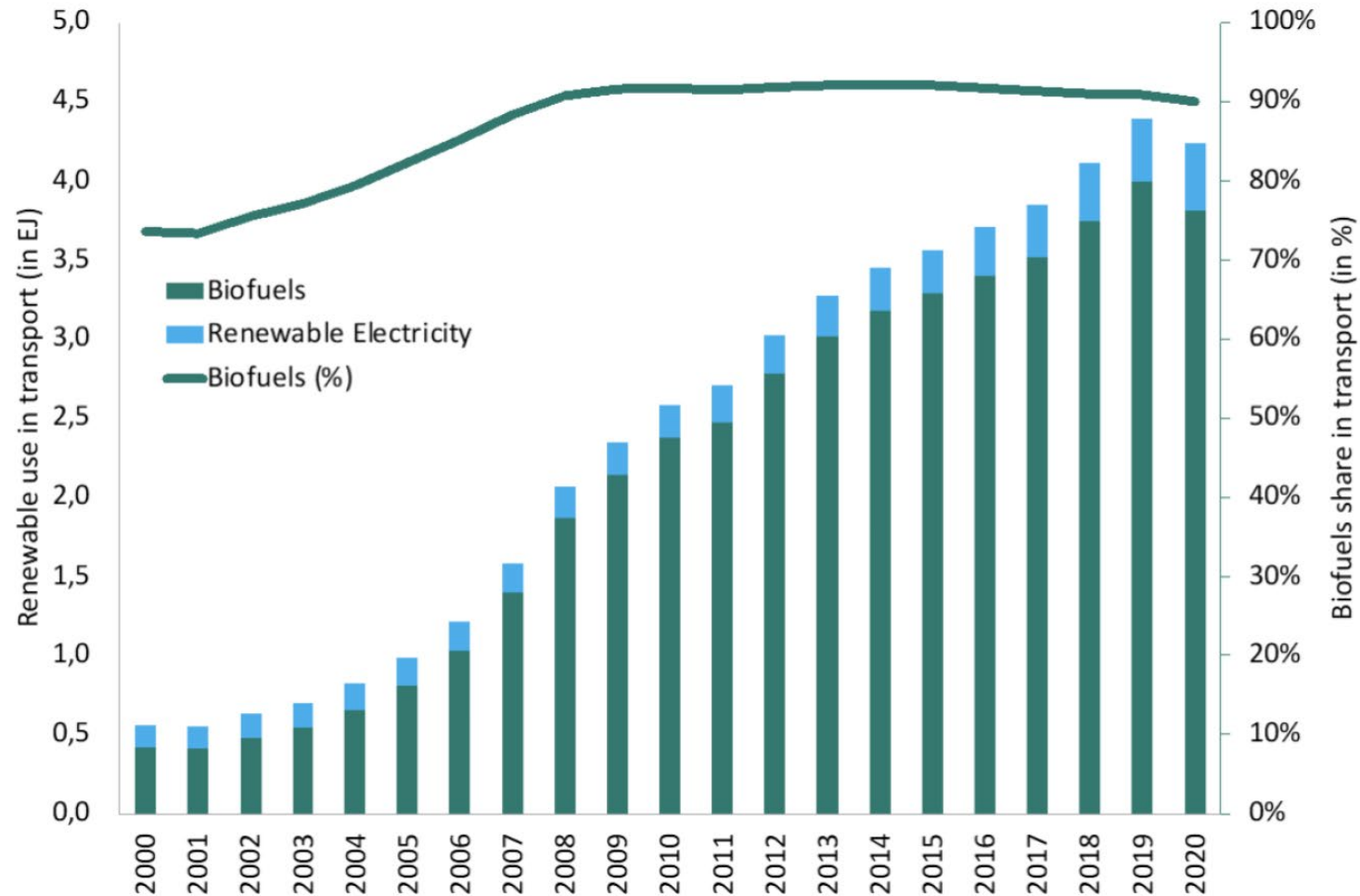


Figure 24 Renewables use in transport and biofuels share



Uusiutuvan sähkön tuotanto eri puolilla maailmaa

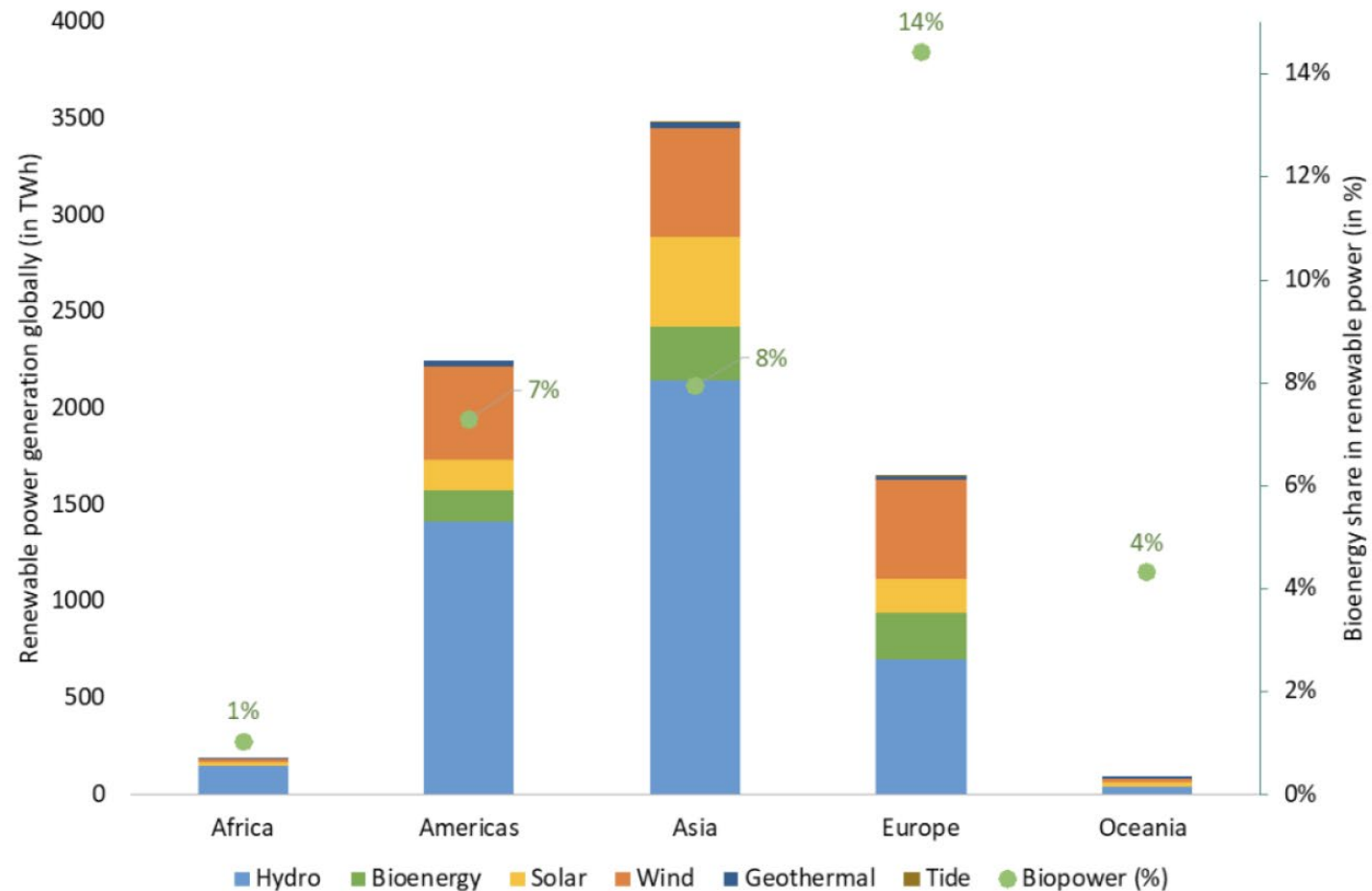


Figure 18 Renewable power generation in continents in 2020



Uusiutuvan lämmön tuotanto eri puolilla maailmaa

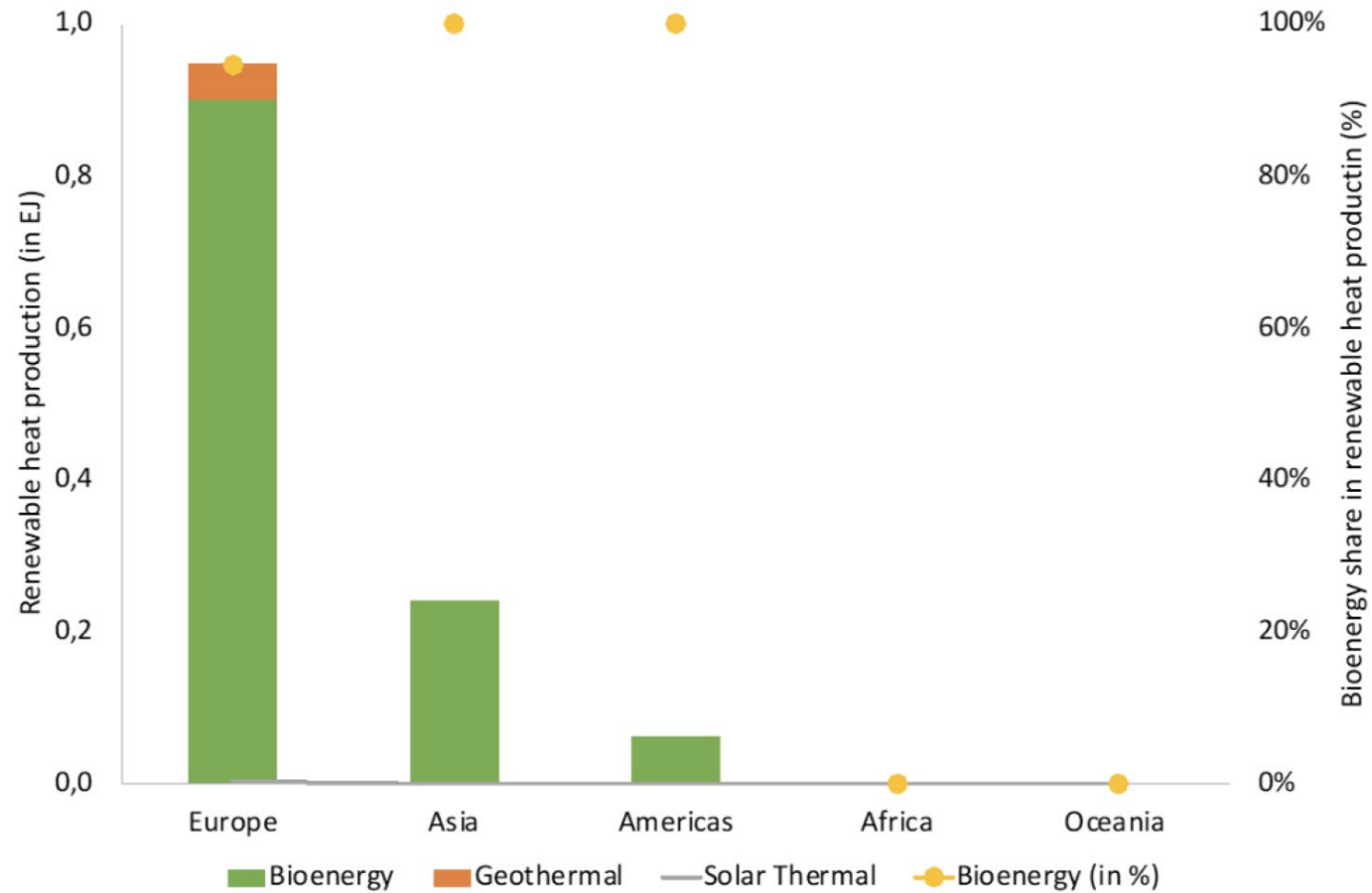


Figure 23 Renewable heat production in continents in 2020



Liikenteen uusiutuva energia eri puolilla maailmaa

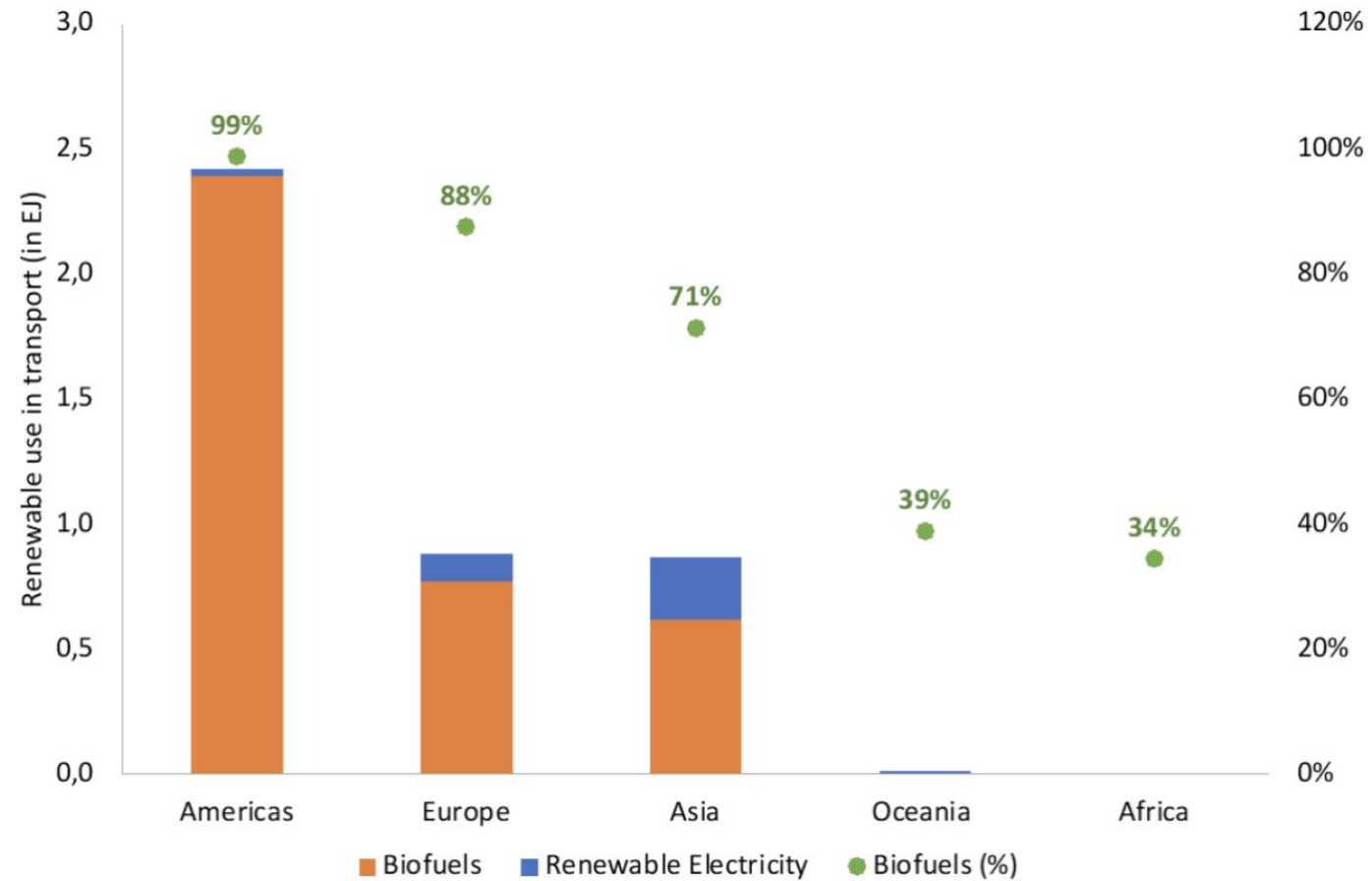
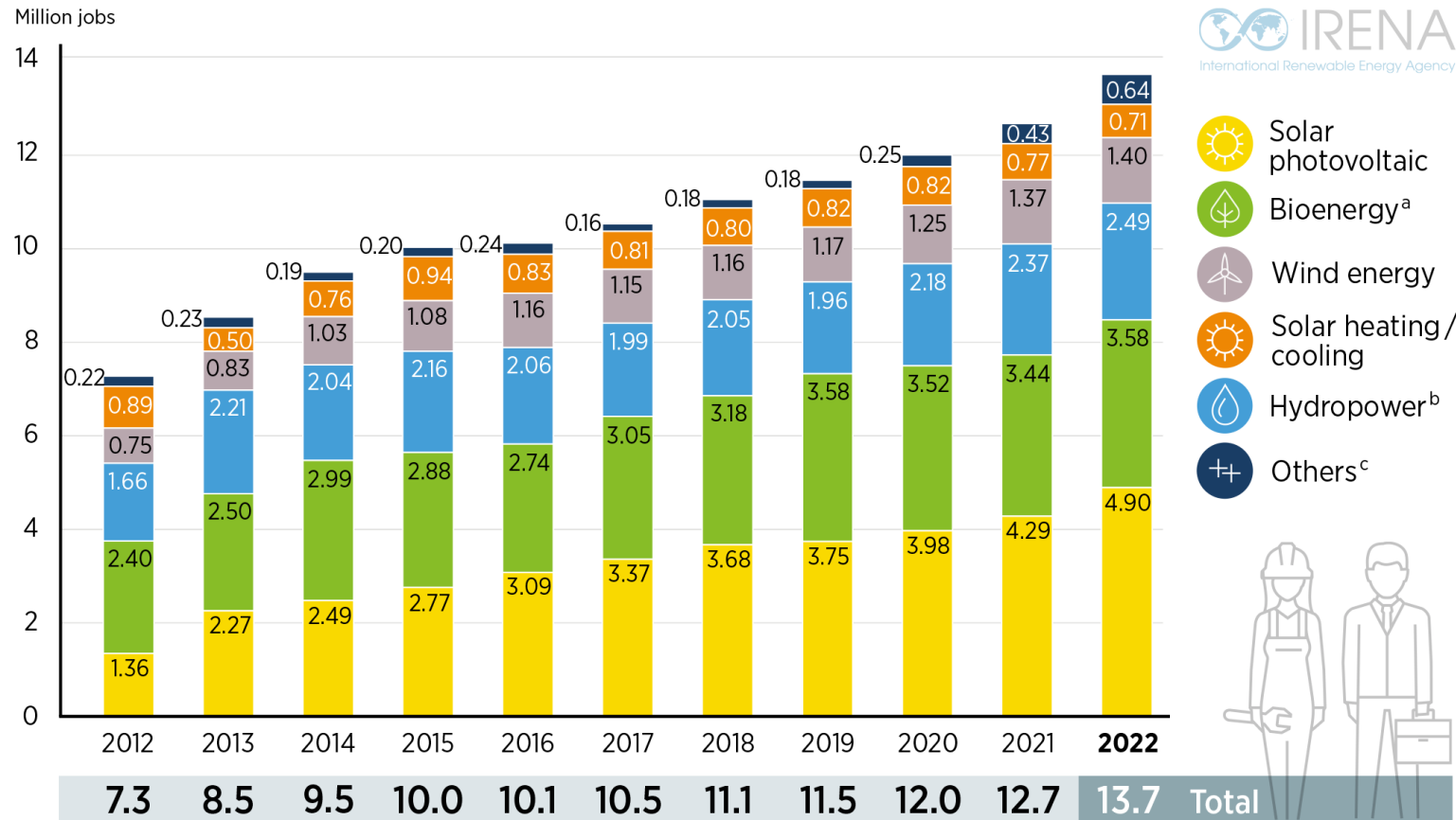


Figure 26 Renewables use in transport in continents in 2020

Uusiutuvan energian työpaikat 2012–2022



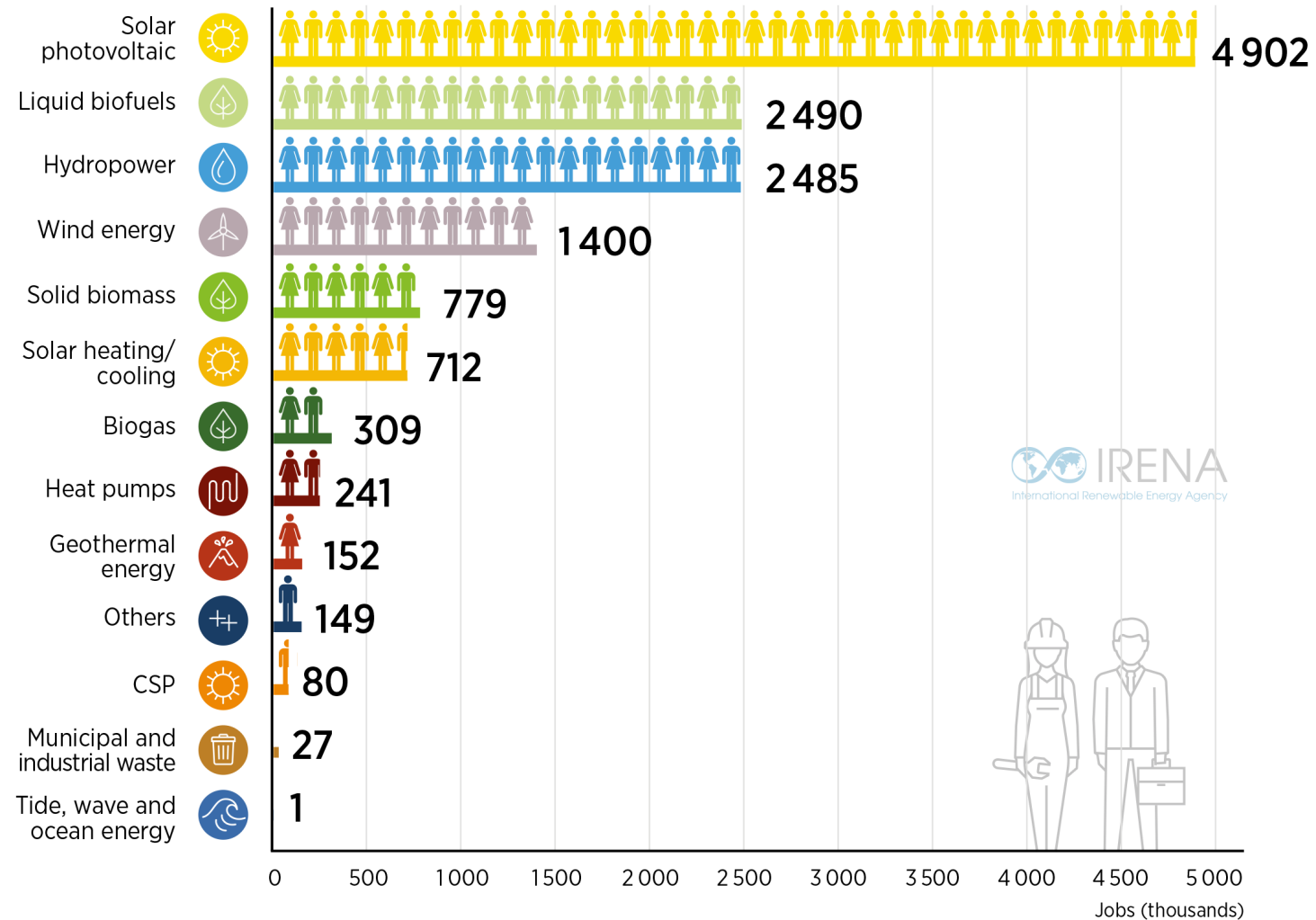
^a Includes liquid biofuels, solid biomass and biogas.

^b Direct jobs only.

^c "Others" includes geothermal energy, concentrated solar power, heat pumps (ground based), municipal and industrial waste, and ocean energy.



Uusiutuvan energian työpaikat



Note: CSP = concentrated solar power; "Others" include jobs not broken down by individual renewable energy technologies.

Lähde: IRENA, 2023, Renewable Energy and Jobs, Annual Review 2023

