Perustietoa bioenergiasta

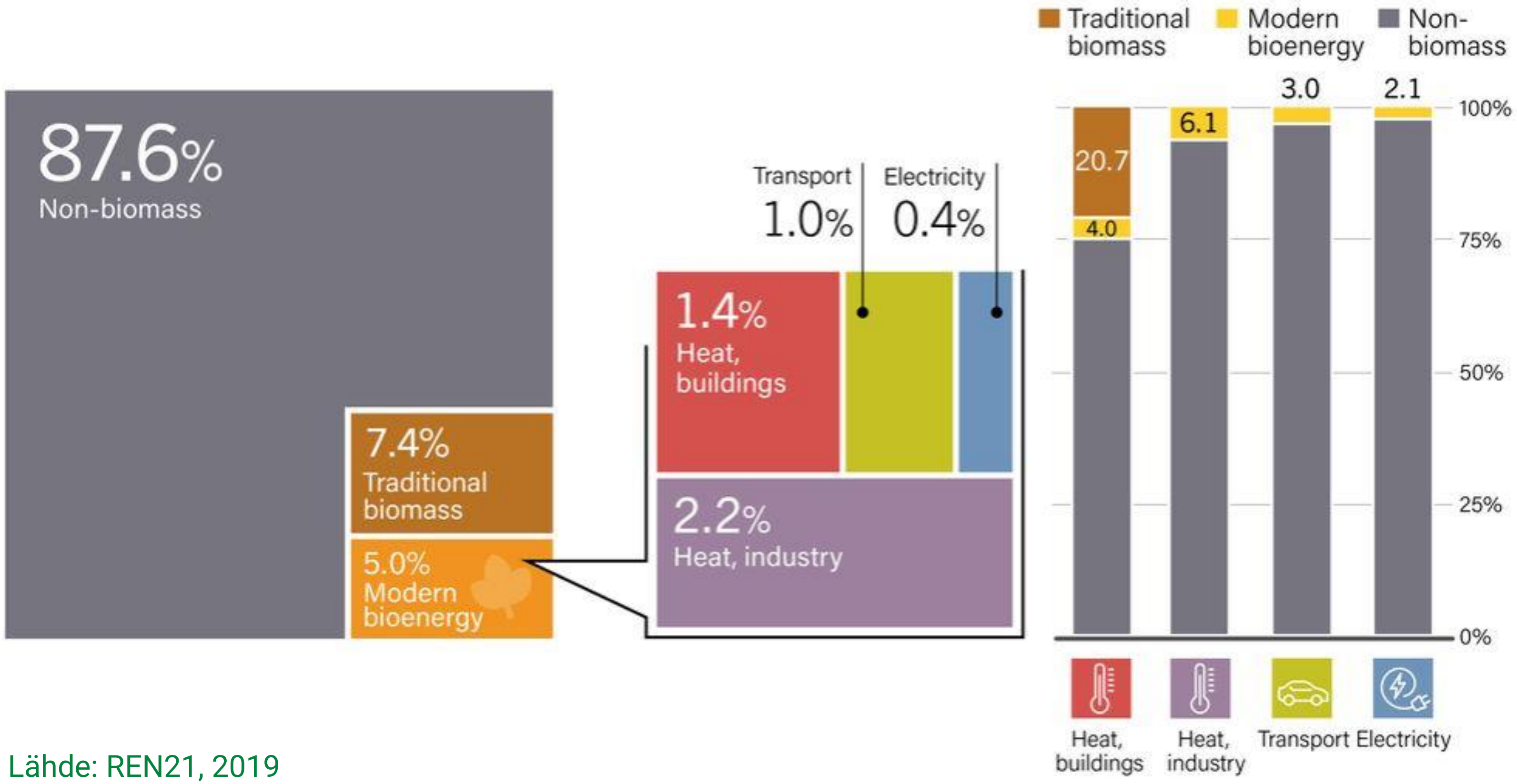
Syksy 2019

Bioenergia maailmassa

Bioenergia suuri lämmöntuotannossa

FIGURE 18

Estimated Shares of Bioenergy in Total Final Energy Consumption, Overall and by End-Use Sector, 2017

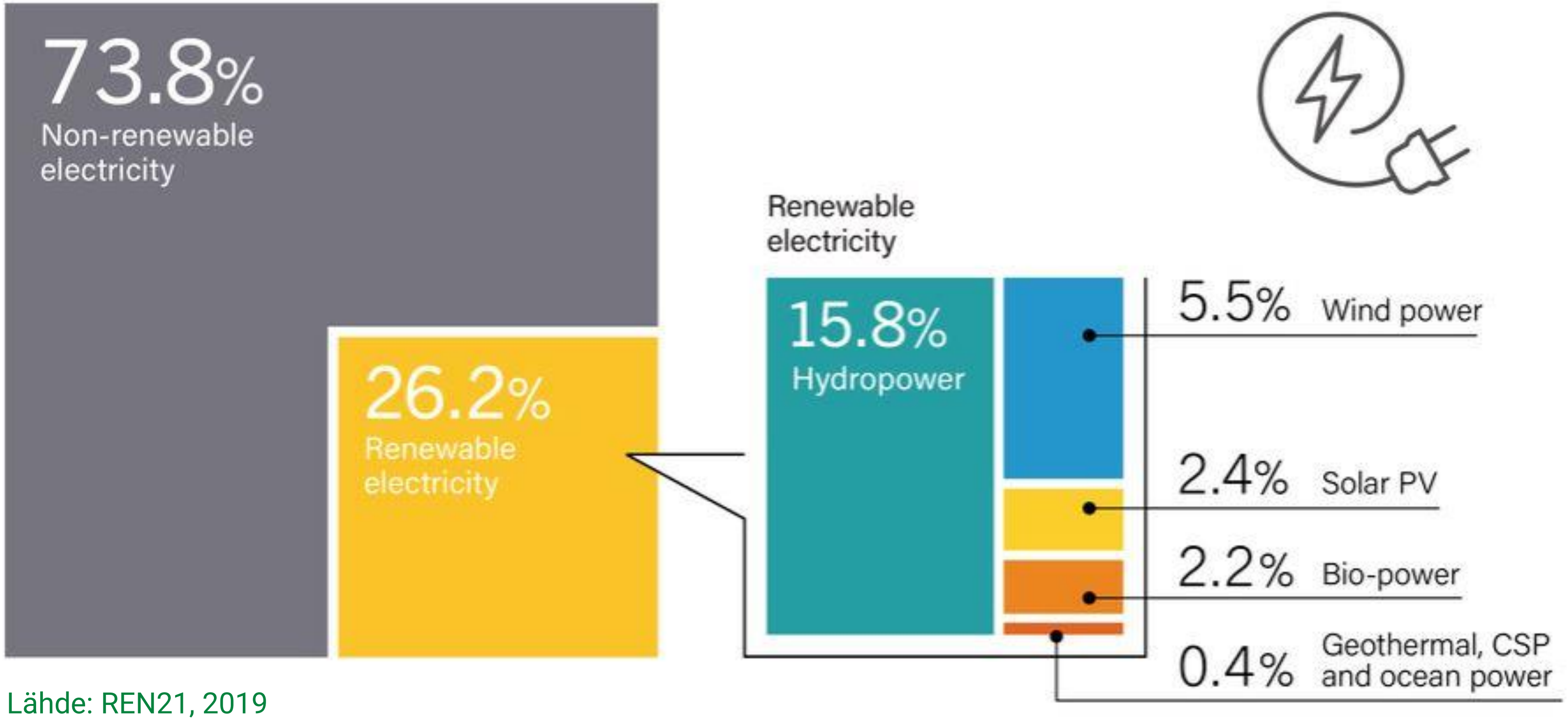


Lähde: REN21, 2019

Rooli sähköntuotannossa pienempi

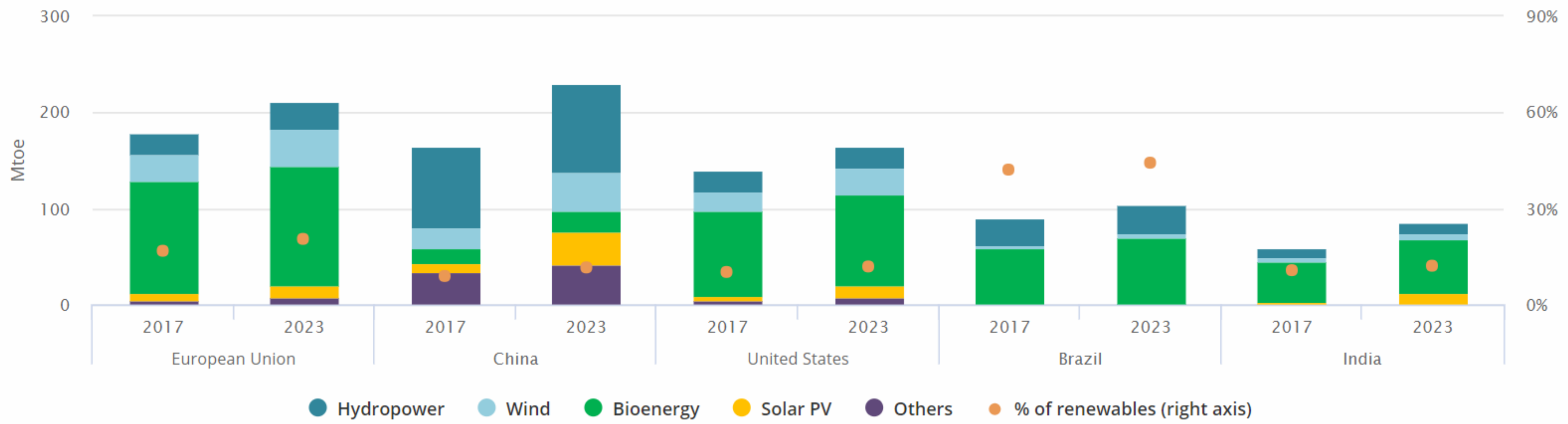
FIGURE 8

Estimated Renewable Energy Share of Global Electricity Production, End-2018



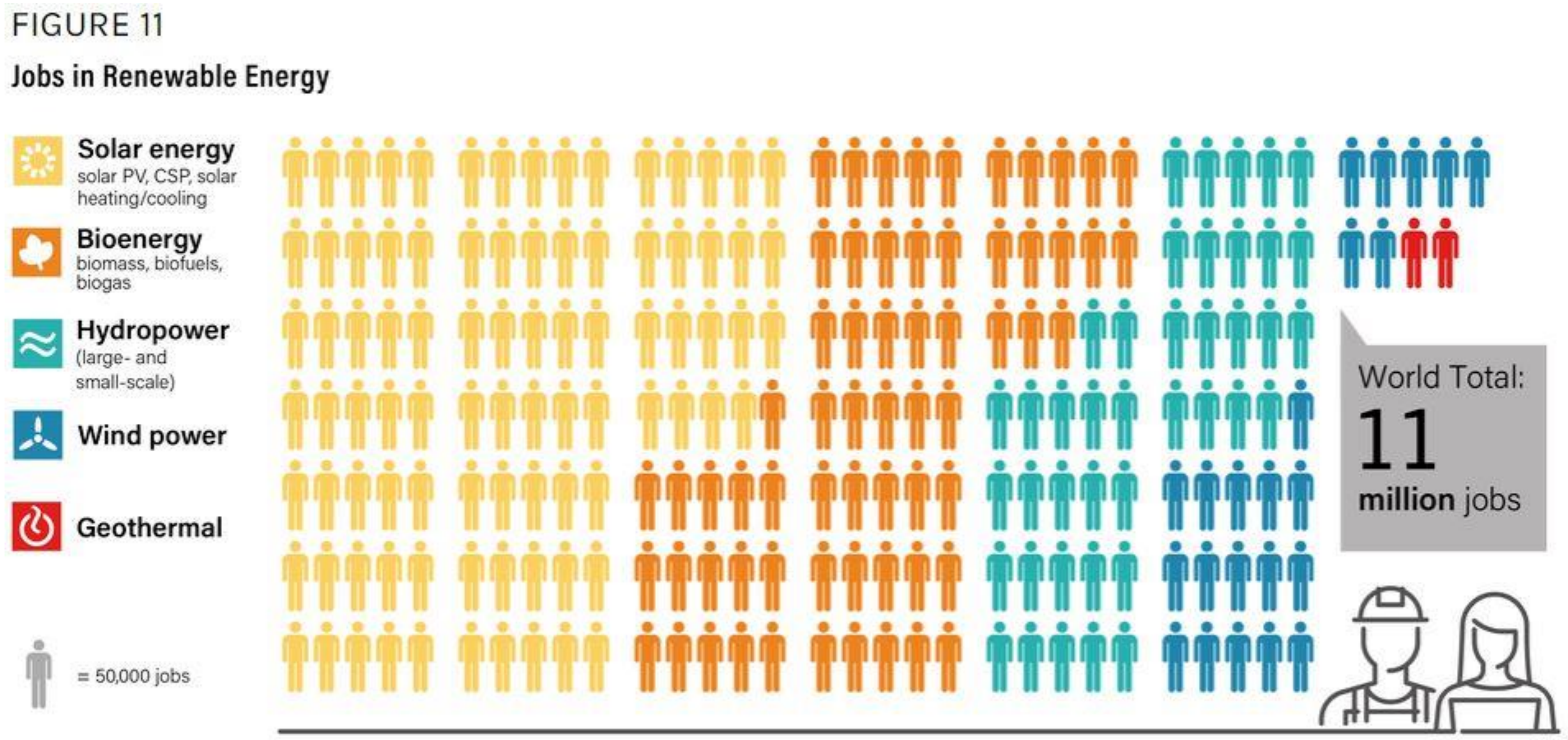
Lähde: REN21, 2019

Bioenergia ja muu uusiutuva energia 2017–2023 eri puolilla maailmaa



Lähde: IEA, 2018

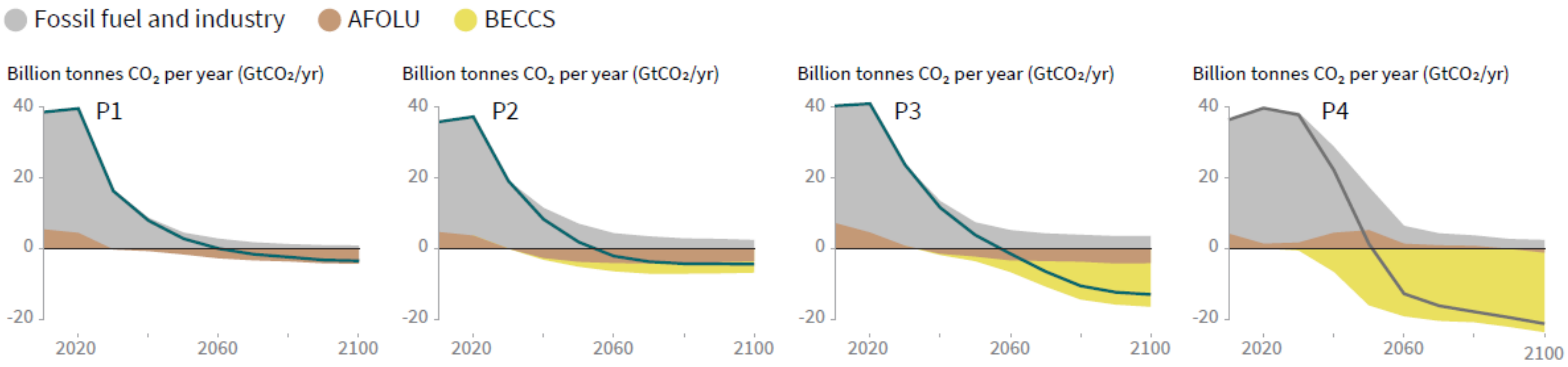
Uusiutuvan energian työpaikat



Lähde: REN21, 2019

Bioenergia ja ilmasto

Breakdown of contributions to global net CO_2 emissions in four illustrative model pathways



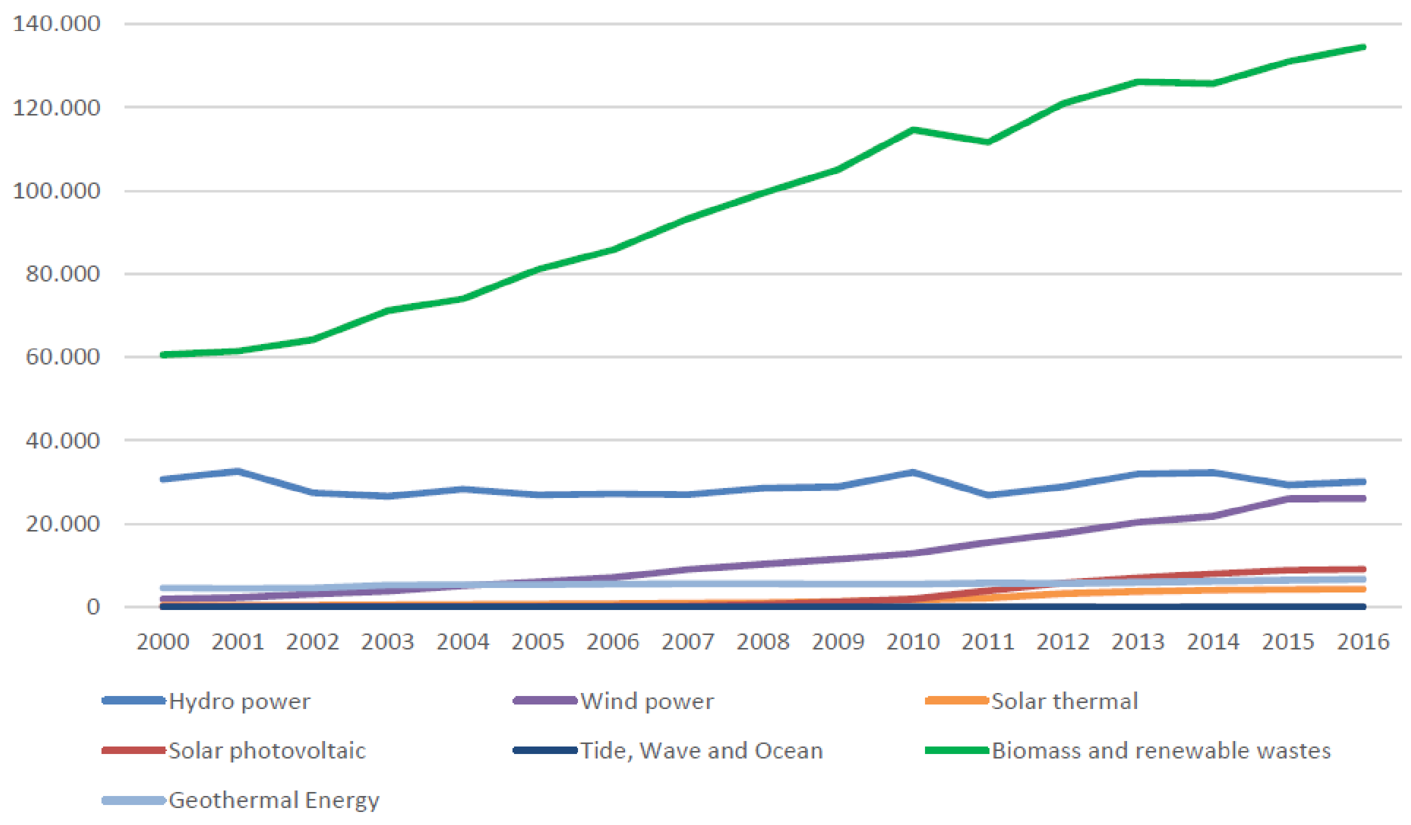
Global indicators	P1	P2	P3	P4
Pathway classification	No or low overshoot	No or low overshoot	No or low overshoot	High overshoot
Kyoto-GHG emissions in 2030 (% rel to 2010)*	-50	-49	-35	-2
└ in 2050 (% rel to 2010)	-82	-89	-78	-80
Kyoto-GHG emissions in 2030 (% rel to 2010)*	-50	-49	-35	-2
└ in 2050 (% rel to 2010)	-82	-89	-78	-80
Kyoto-GHG emissions in 2030 (% rel to 2010)*	-50	-49	-35	-2
└ in 2050 (% rel to 2010)	-82	-89	-78	-80

Lähde: IPCC, 1,5 asteen raportti 2018

Bioenergia EU:ssa

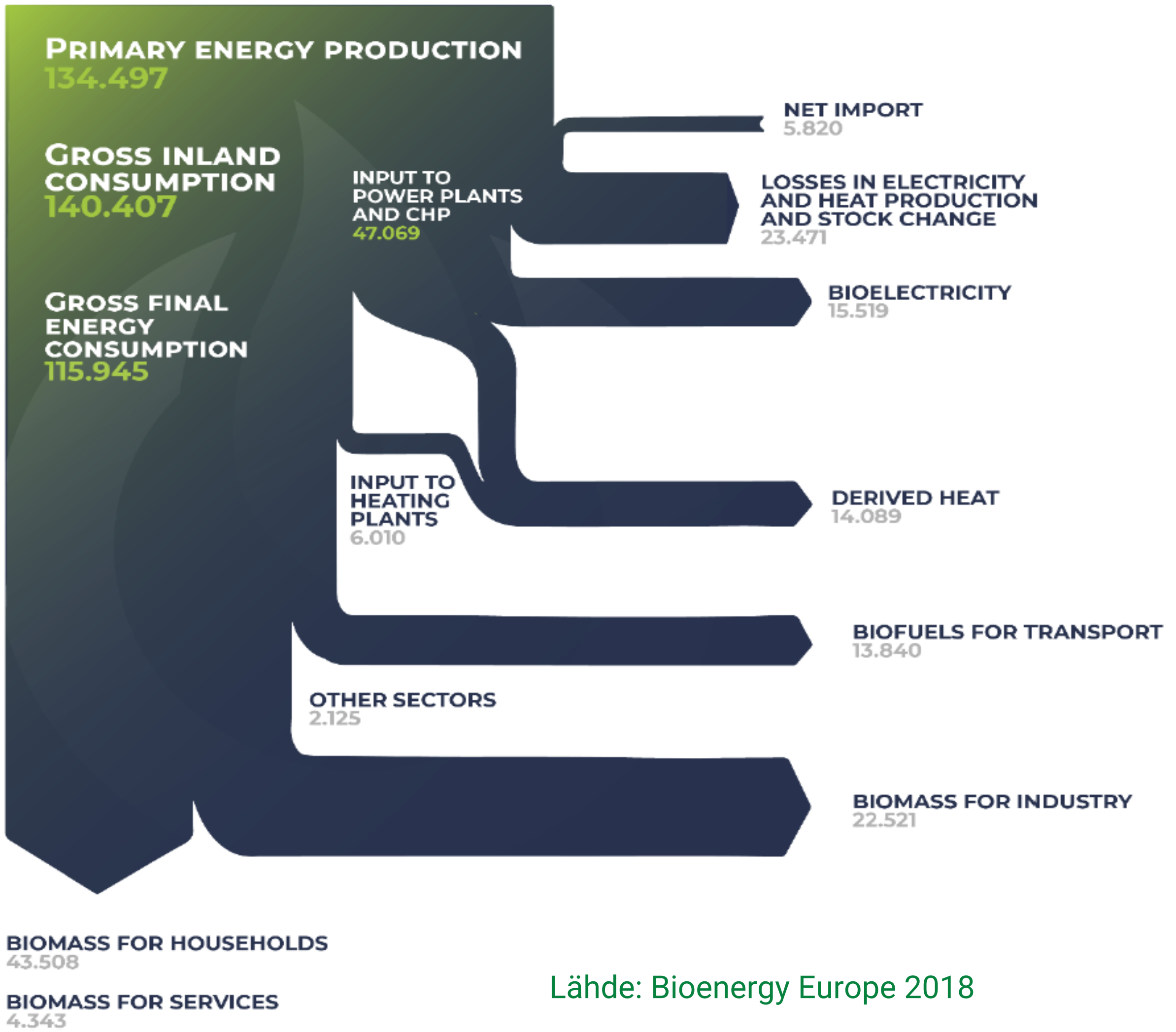
Uusiutuvan energian kehitys EU:ssa

Figure 1.11 Evolution of primary production of renewable energy in EU28 (ktoe)



Lähde: Bioenergy Europe 2018

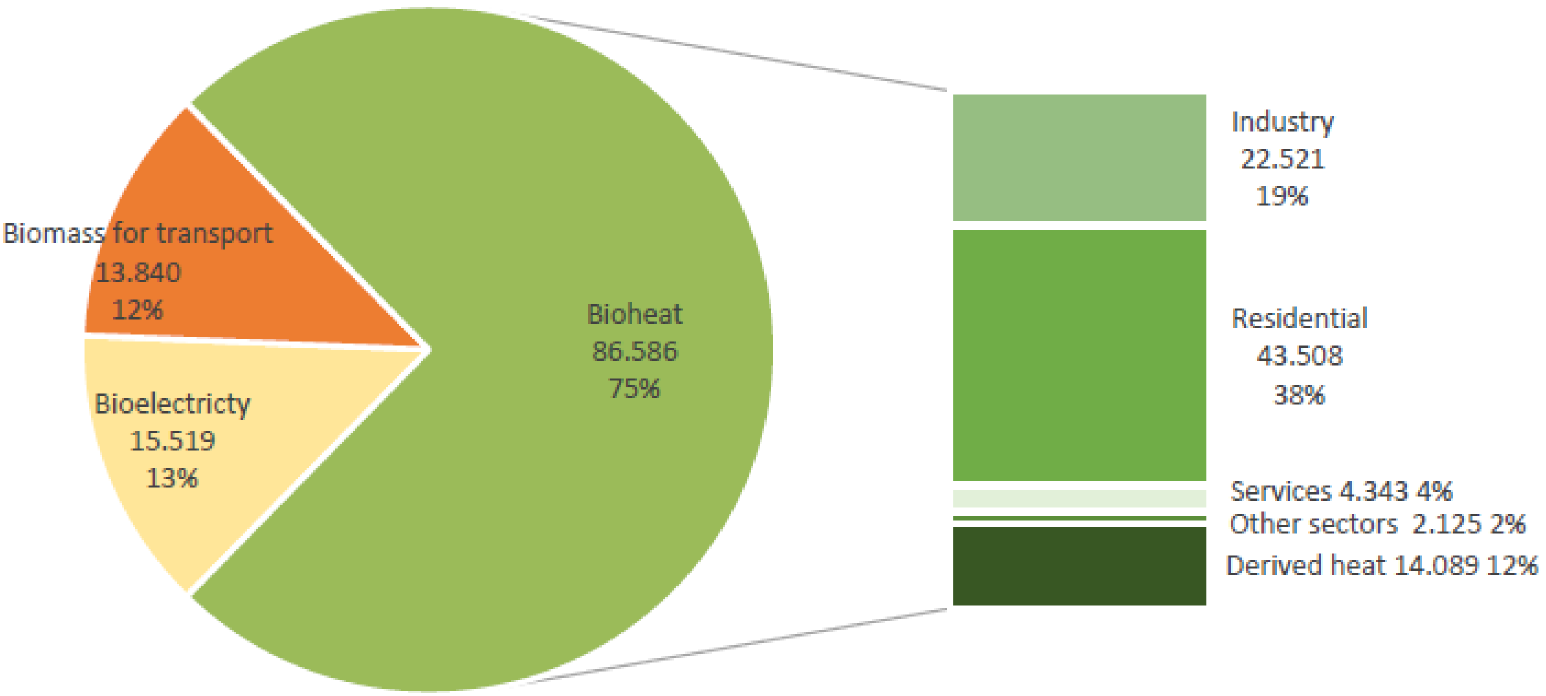
Bioenergia EU:ssa 2016 (ktoe)



Lähde: Bioenergy Europe 2018

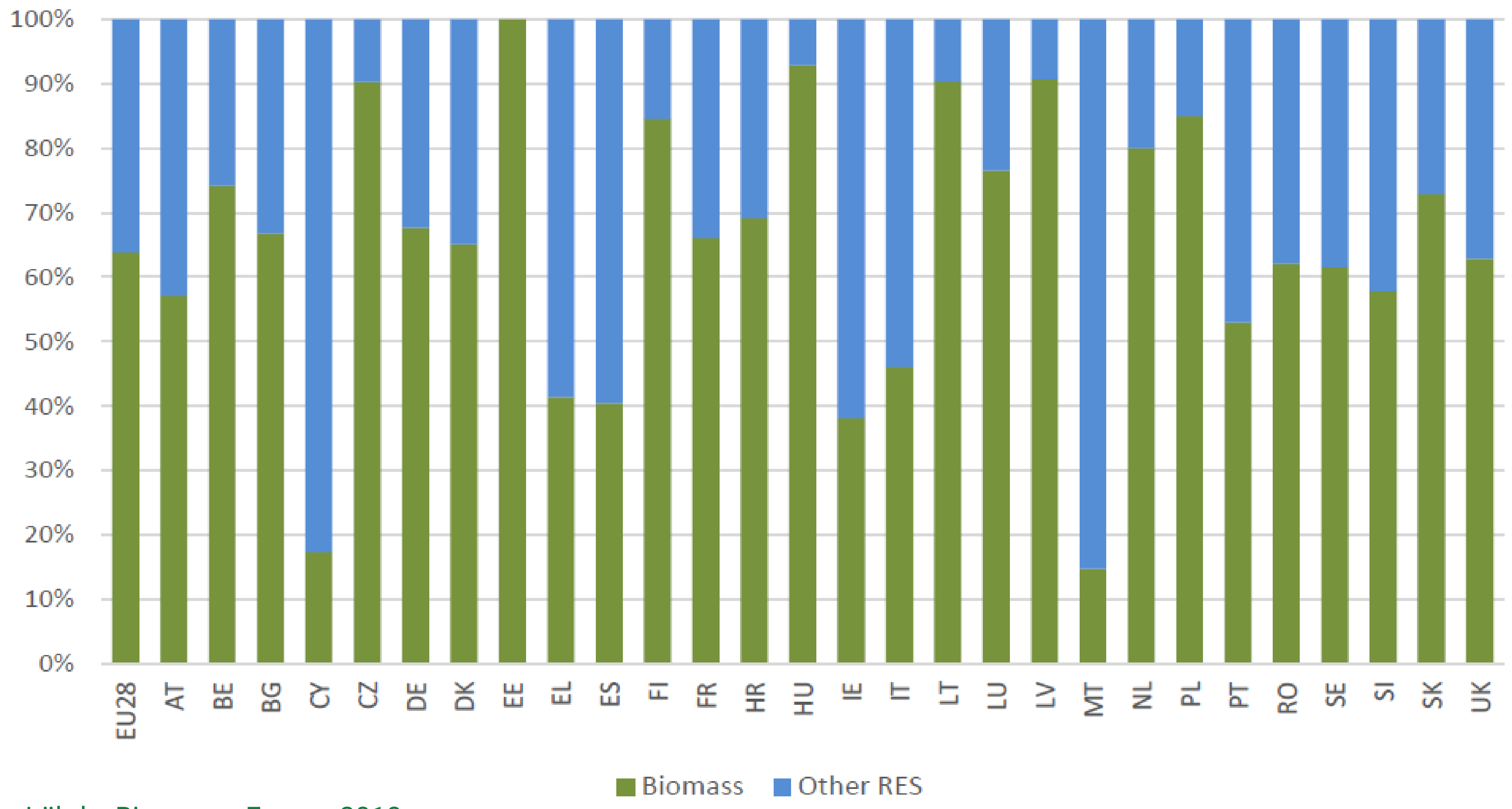
Bioenergia EU:ssa (ktoe)

Figure 2.5 Gross final energy consumption of biomass in heat, electricity and transport in EU28 Member States in 2016 (ktoe)



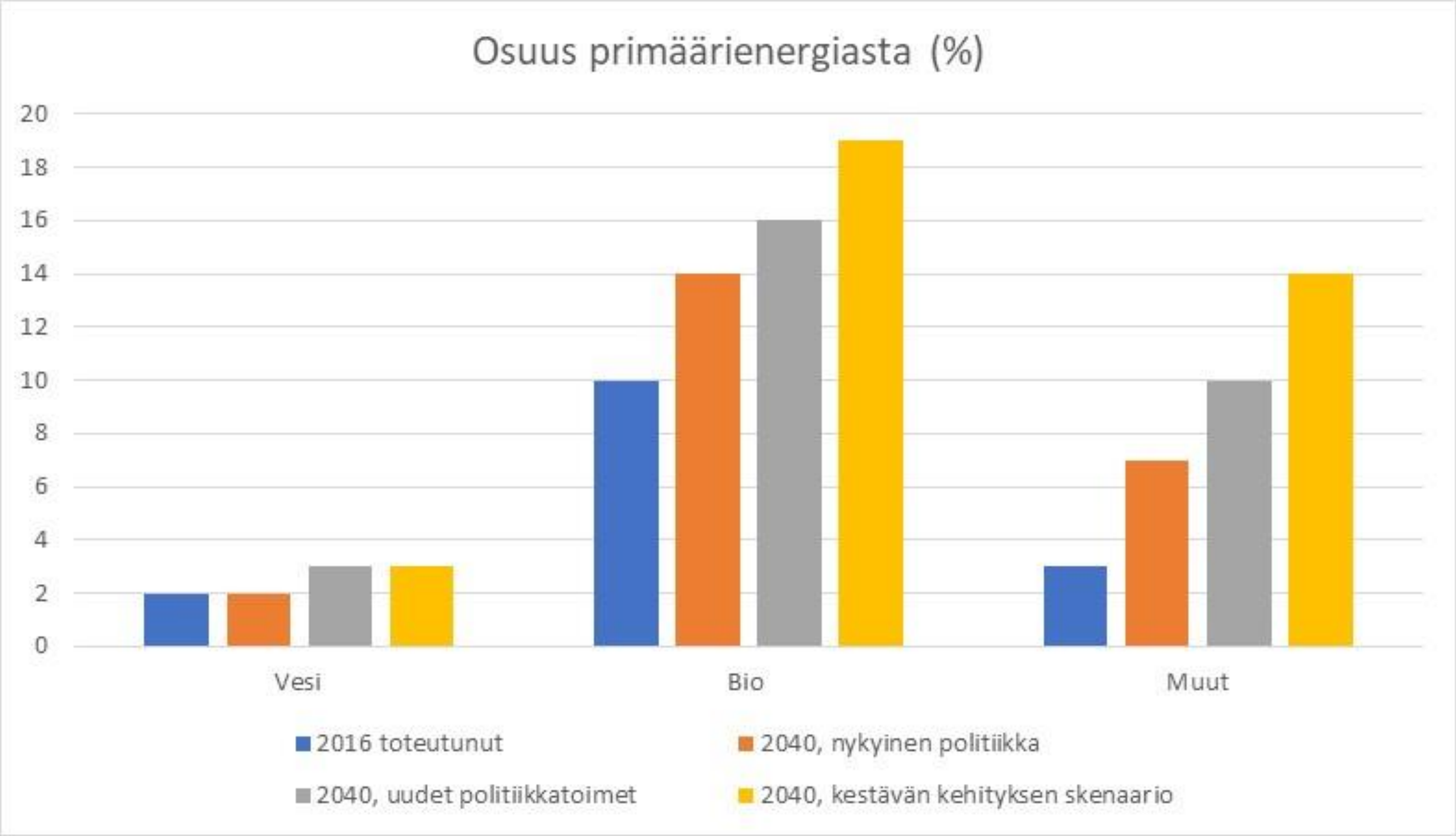
Lähde: Bioenergy Europe 2018

Bioenergia EU:n jäsenmaissa



Lähde: Bioenergy Europe 2018

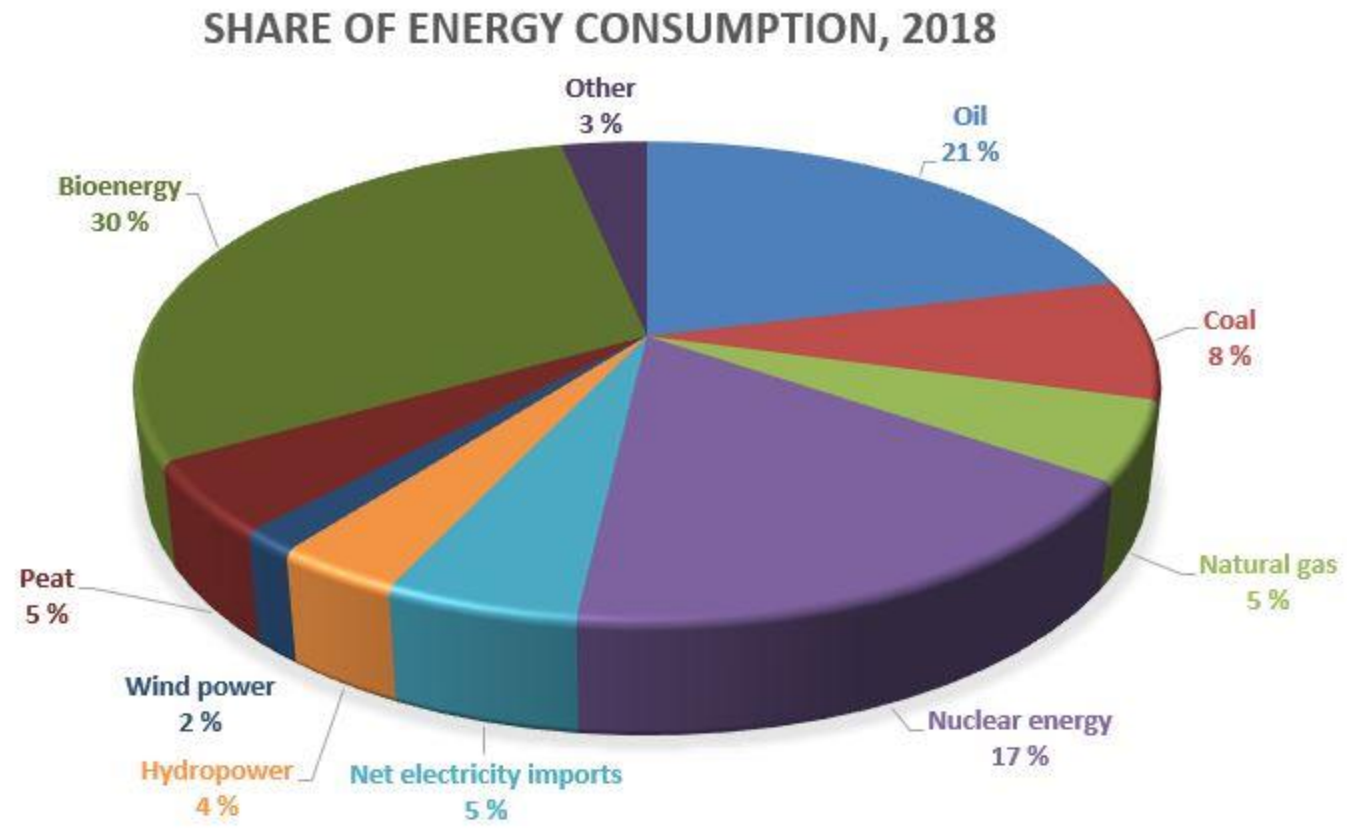
Bioenergian kehitysnäkymä EU:ssa



Lähde: IEA 2017

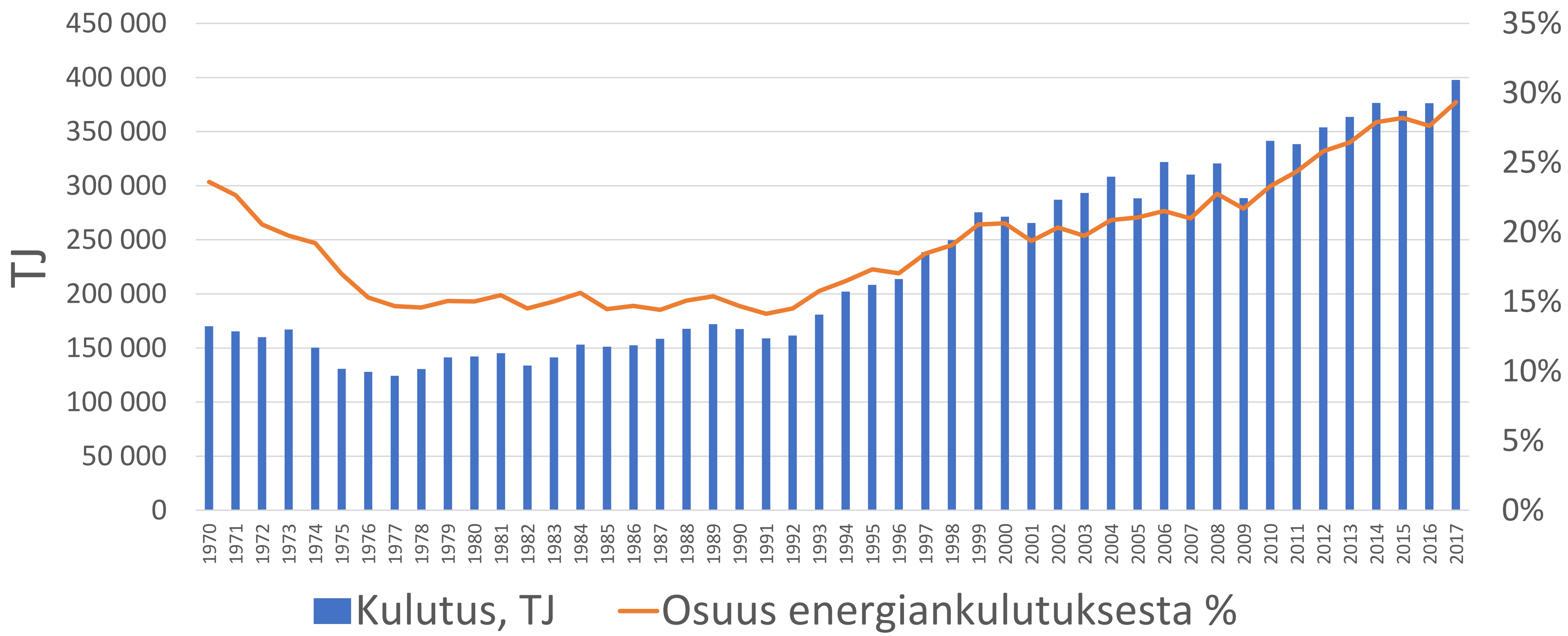
Bioenergia ja energiaturve Suomessa

Energiankulutus Suomessa 2018



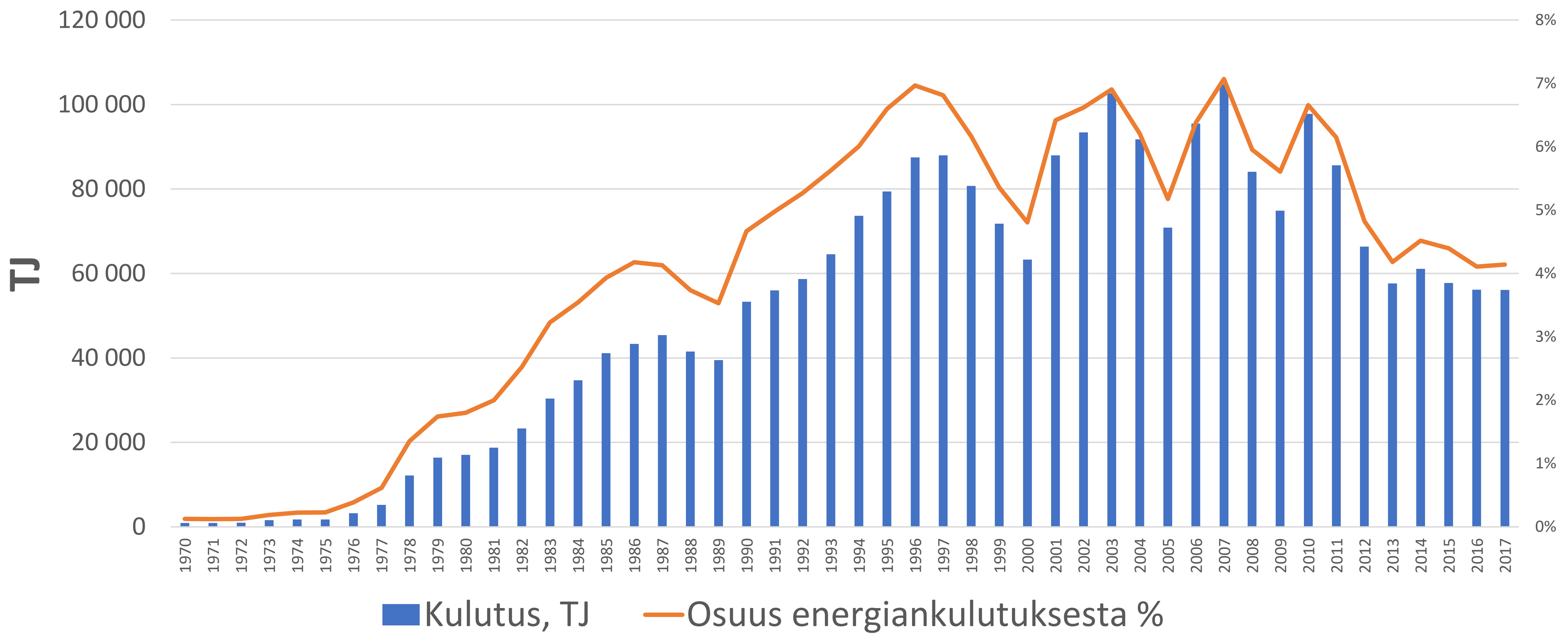
Lähde: Tilastokeskus 2019

Bioenergia Suomessa 1970–2017



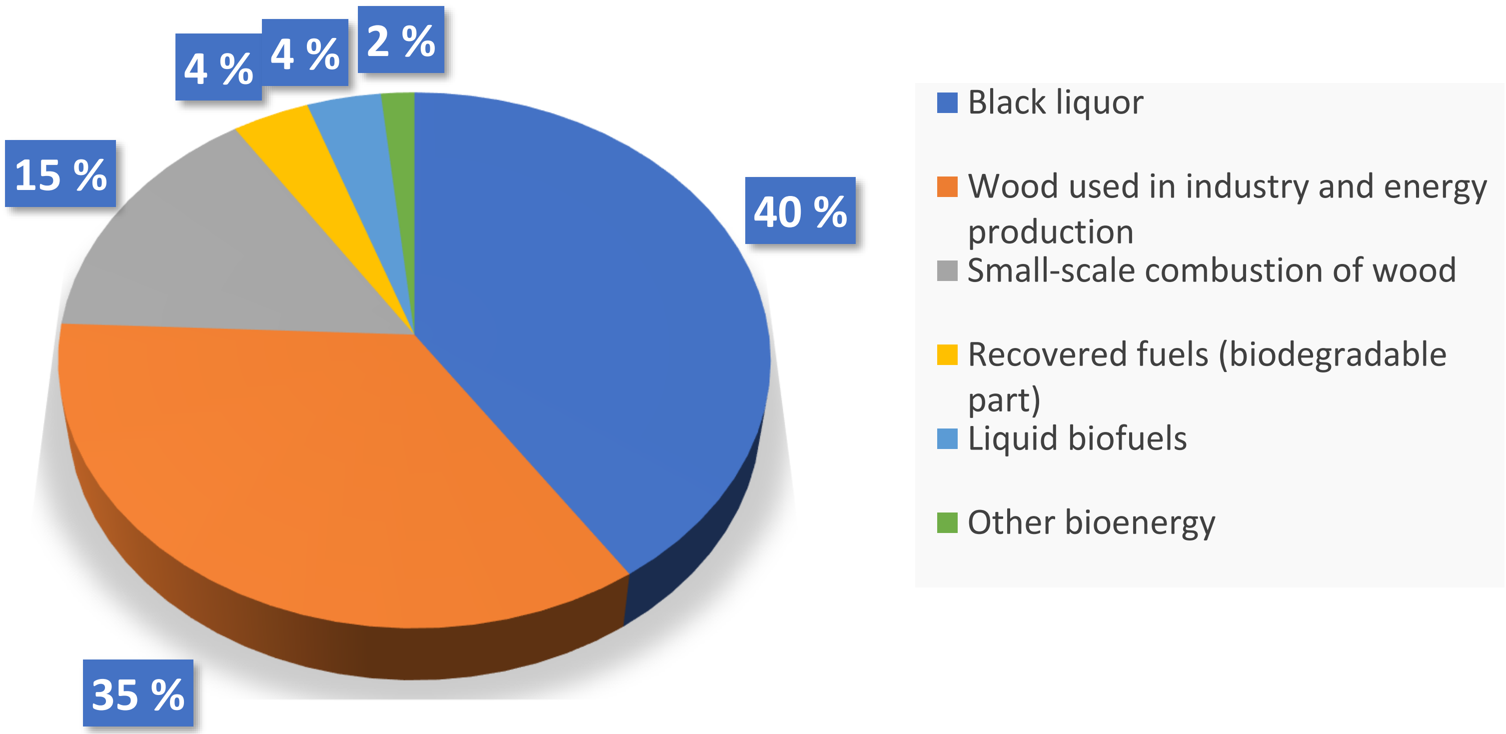
Lähde: Tilastokeskus 2018

Energiaturve Suomessa 1970–2017



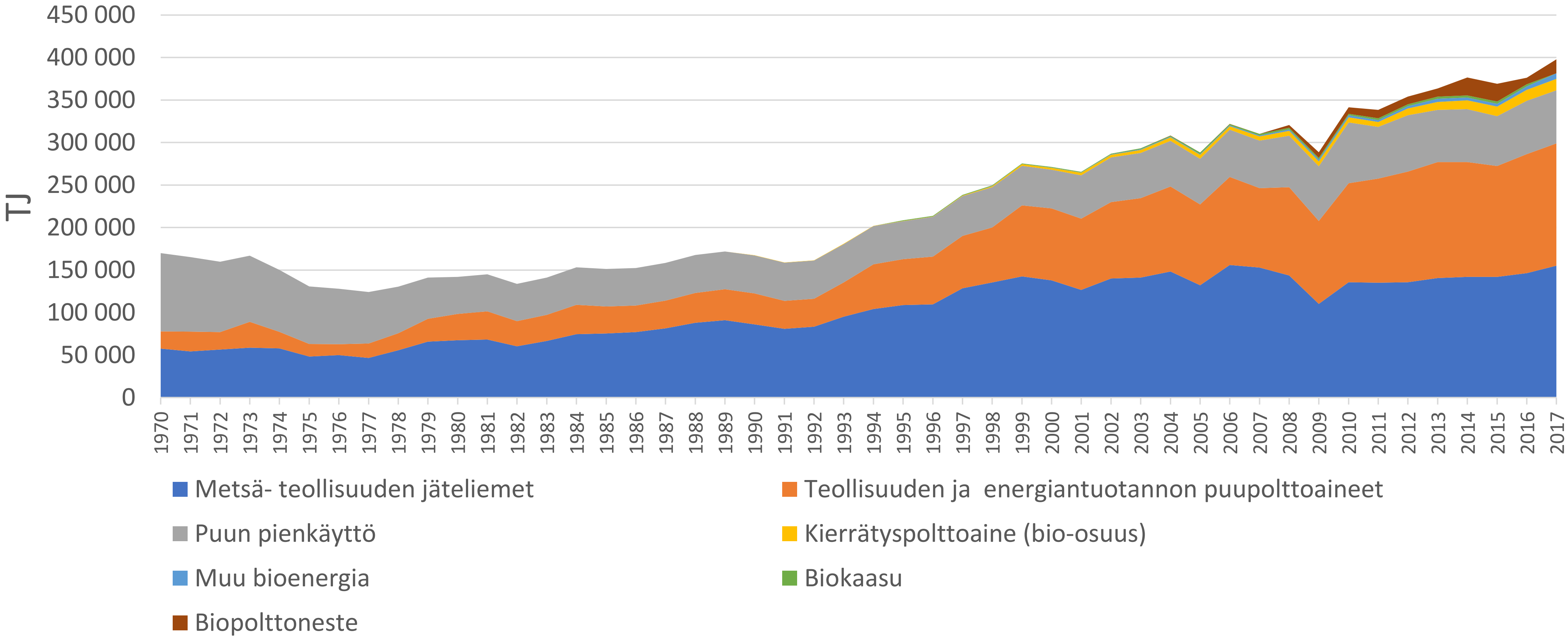
Lähde: Tilastokeskus 2019

Bioenergia 2018



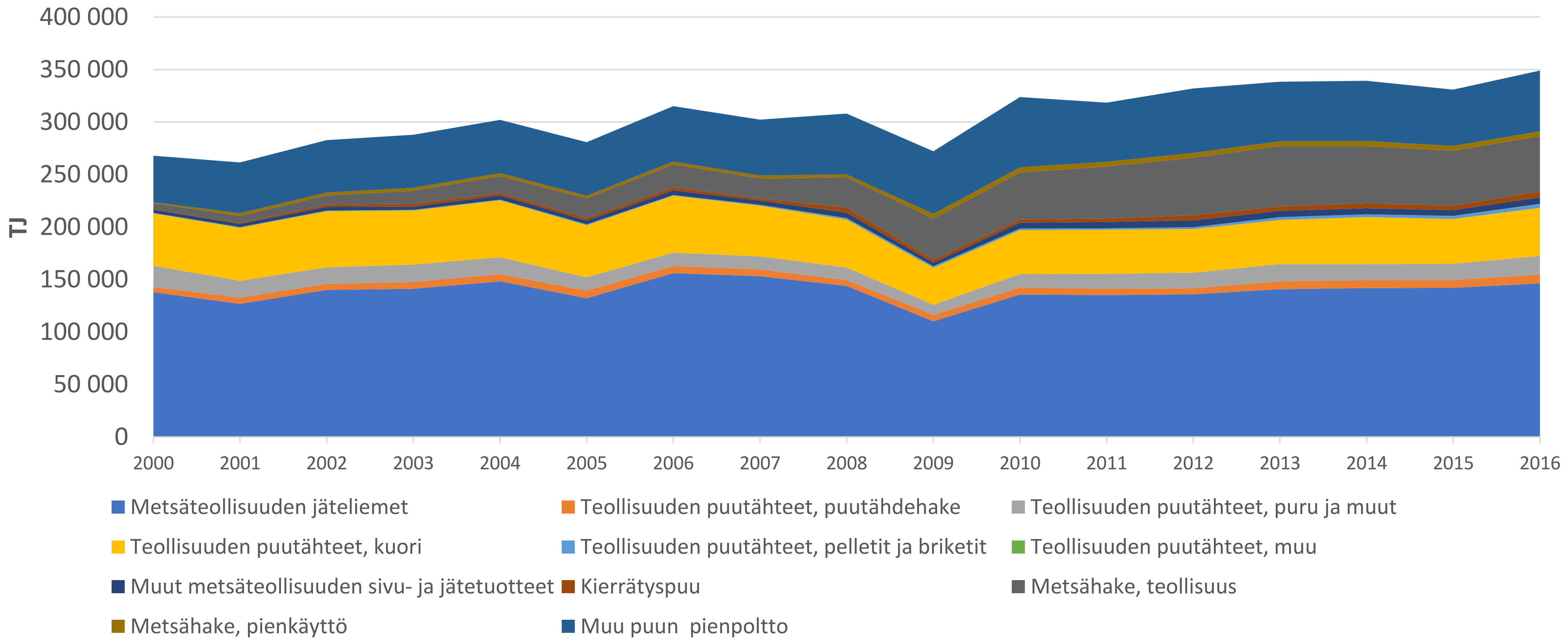
Lähde: Tilastokeskus 2019

Bioenergia lajeittain 1970–2017



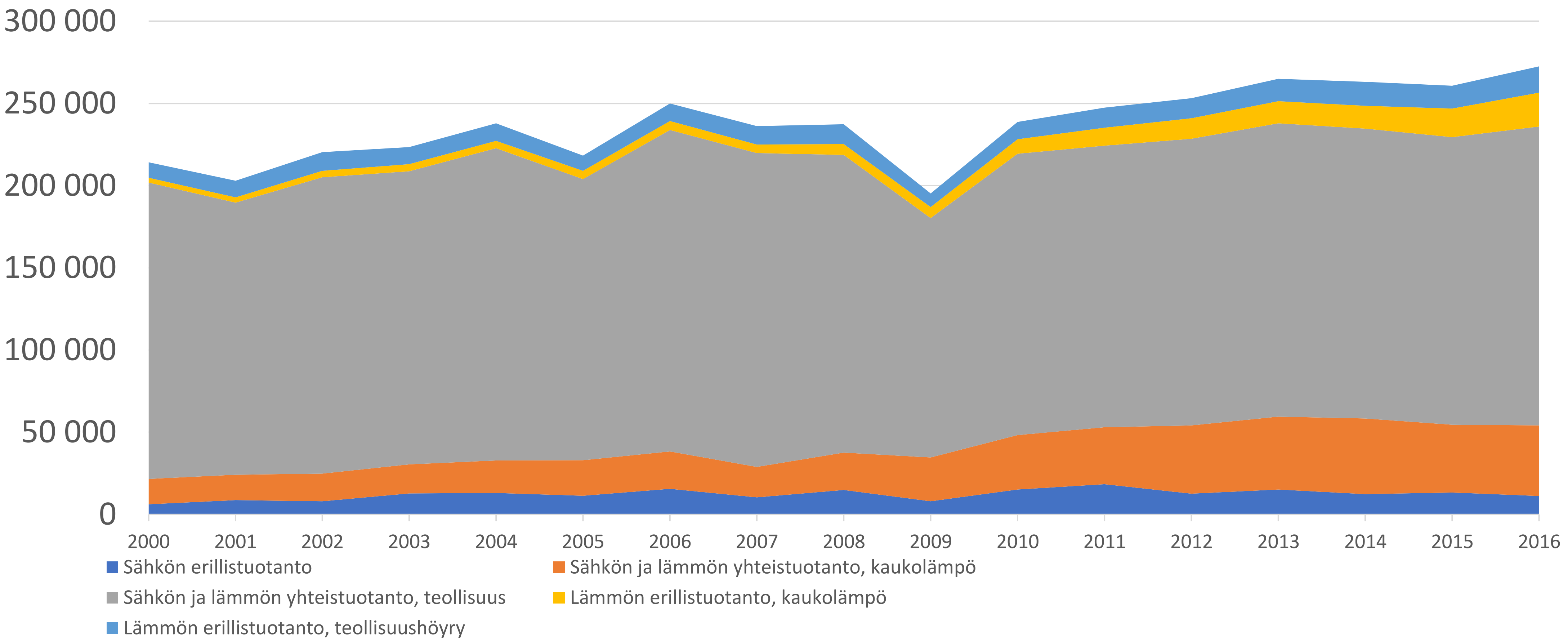
Lähde: Tilastokeskus 2018

Puupolttoaineet lajeittain 2000–2016



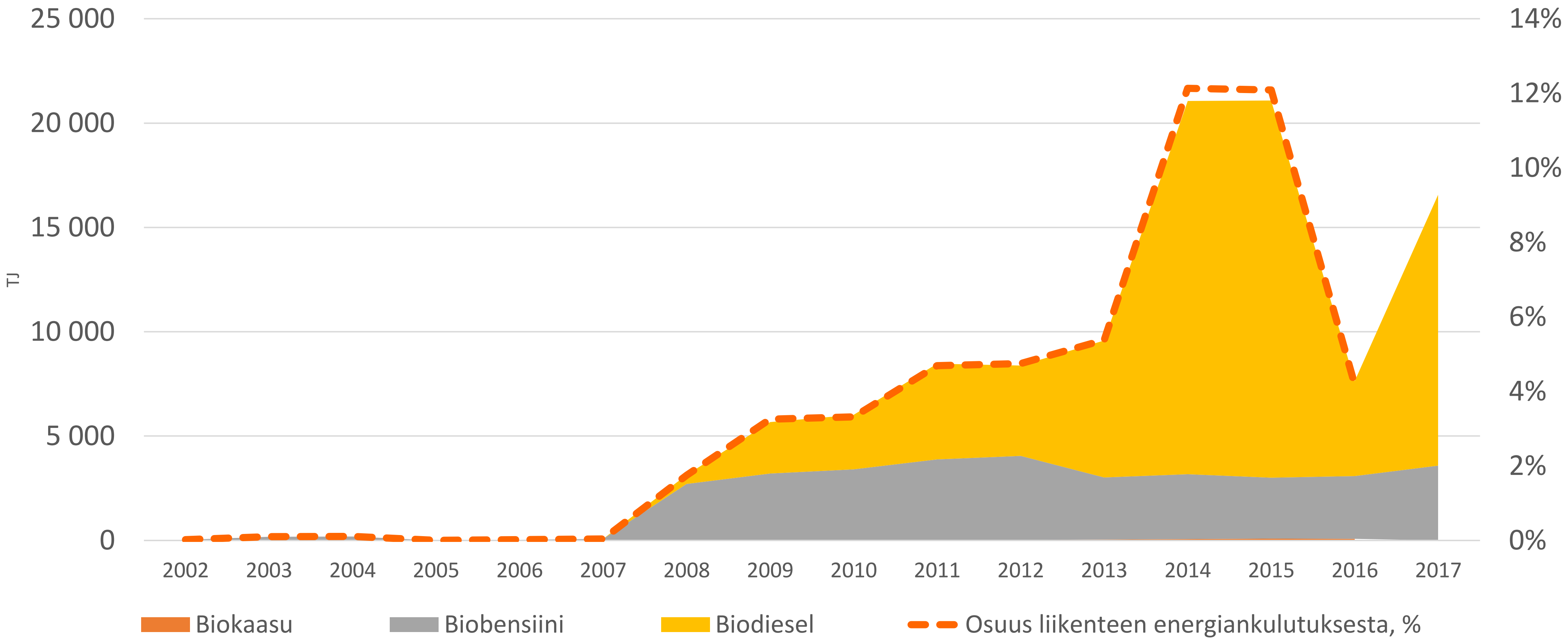
Lähde: Tilastokeskus 2019

Puupolttoaineiden käyttö 2000–2016



Lähde: Tilastokeskus 2019

Bioenergia liikenteessä 2002–2017



Lähde: Tilastokeskus 2019

BIOENERGIA