



Bioenergy in the Arctic Region – Case Finland

Arctic Energy Summit

18 September 2017

Harri Laurikka

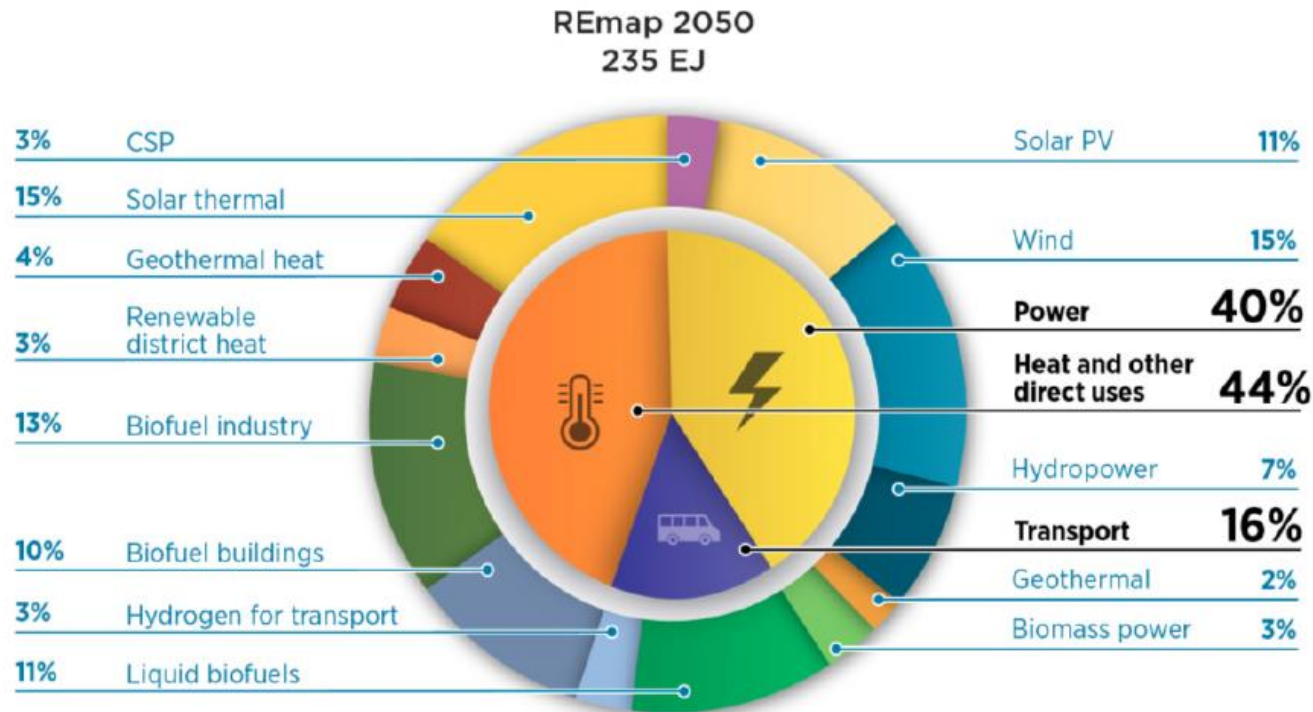


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Towards 2°C

IRENA REMAP 2050, 20 March 2017:

Figure ES.7 • Final renewable energy use by sector and technology in REmap, 2050



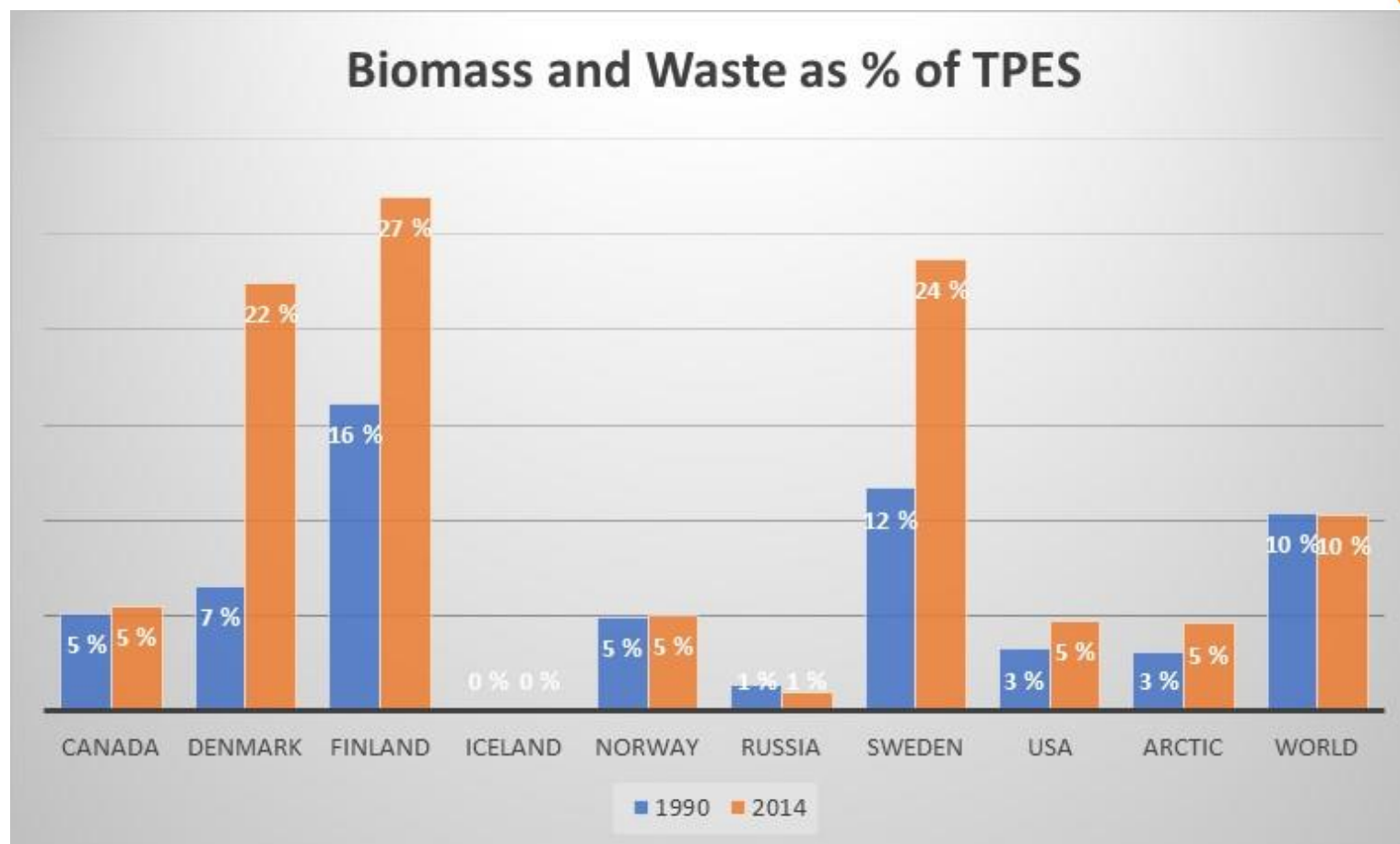
Key message • Under REmap, final renewable energy use is four-times higher in 2050 than it is today. Power and heat consume about 40% and 44% of the total renewable energy, respectively.



**Finland aims at becoming
carbon neutral by 2045.**

**Bioenergy is already the
largest source of energy
(2015: 29 %).**

Biomass in the Arctic countries (1/3)

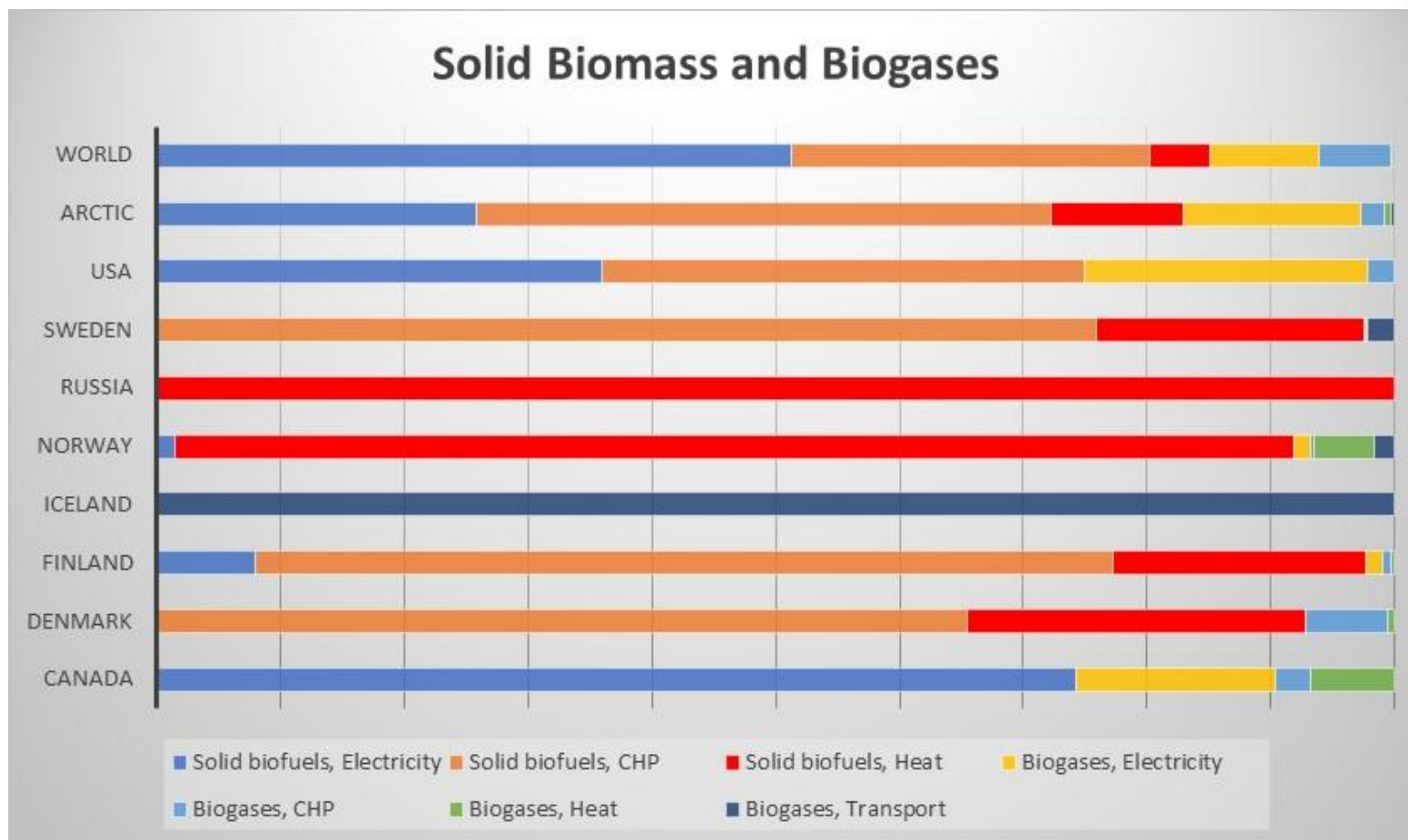


Source: IEA statistics



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Biomass in the Arctic countries (2/3)

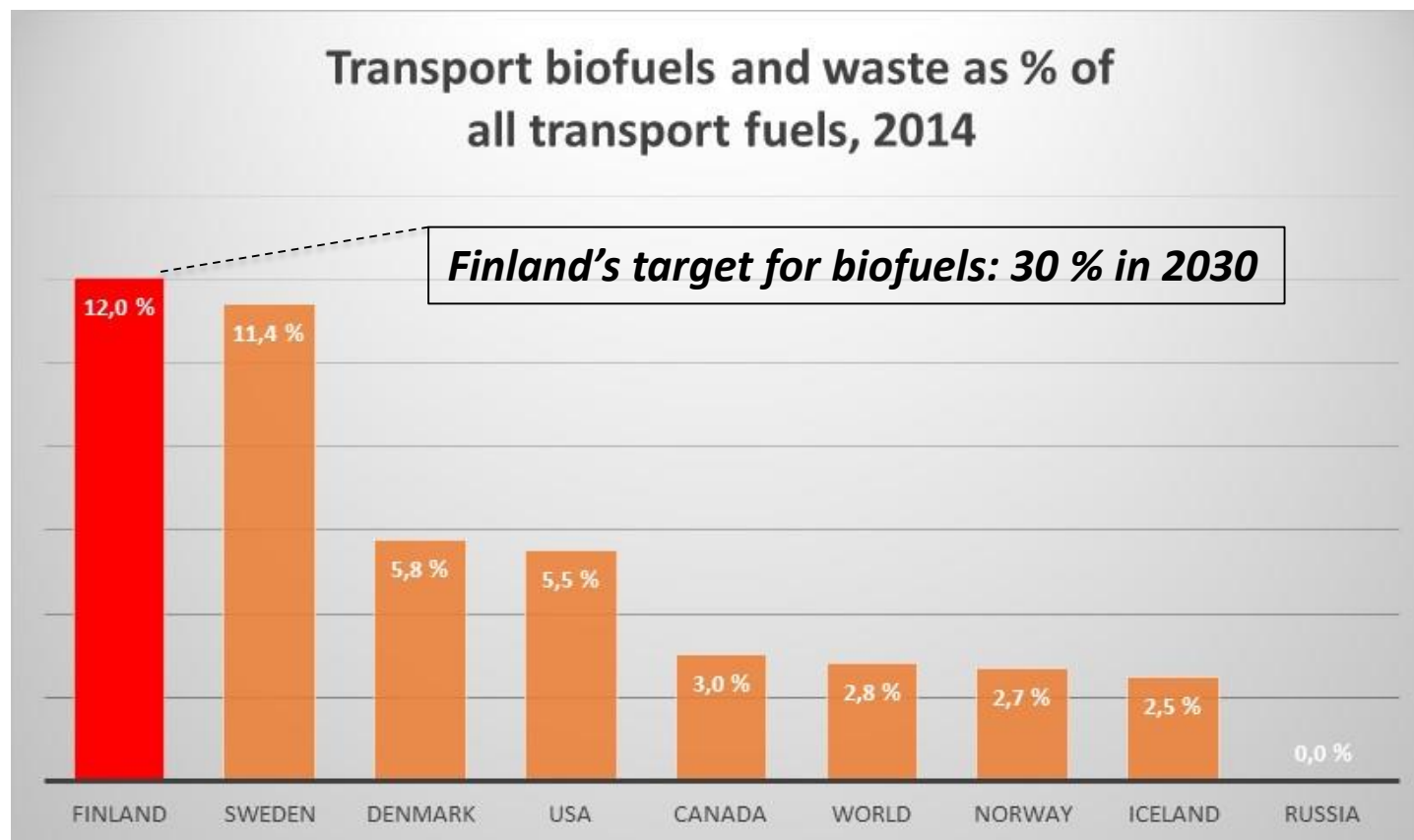


Source: IEA statistics



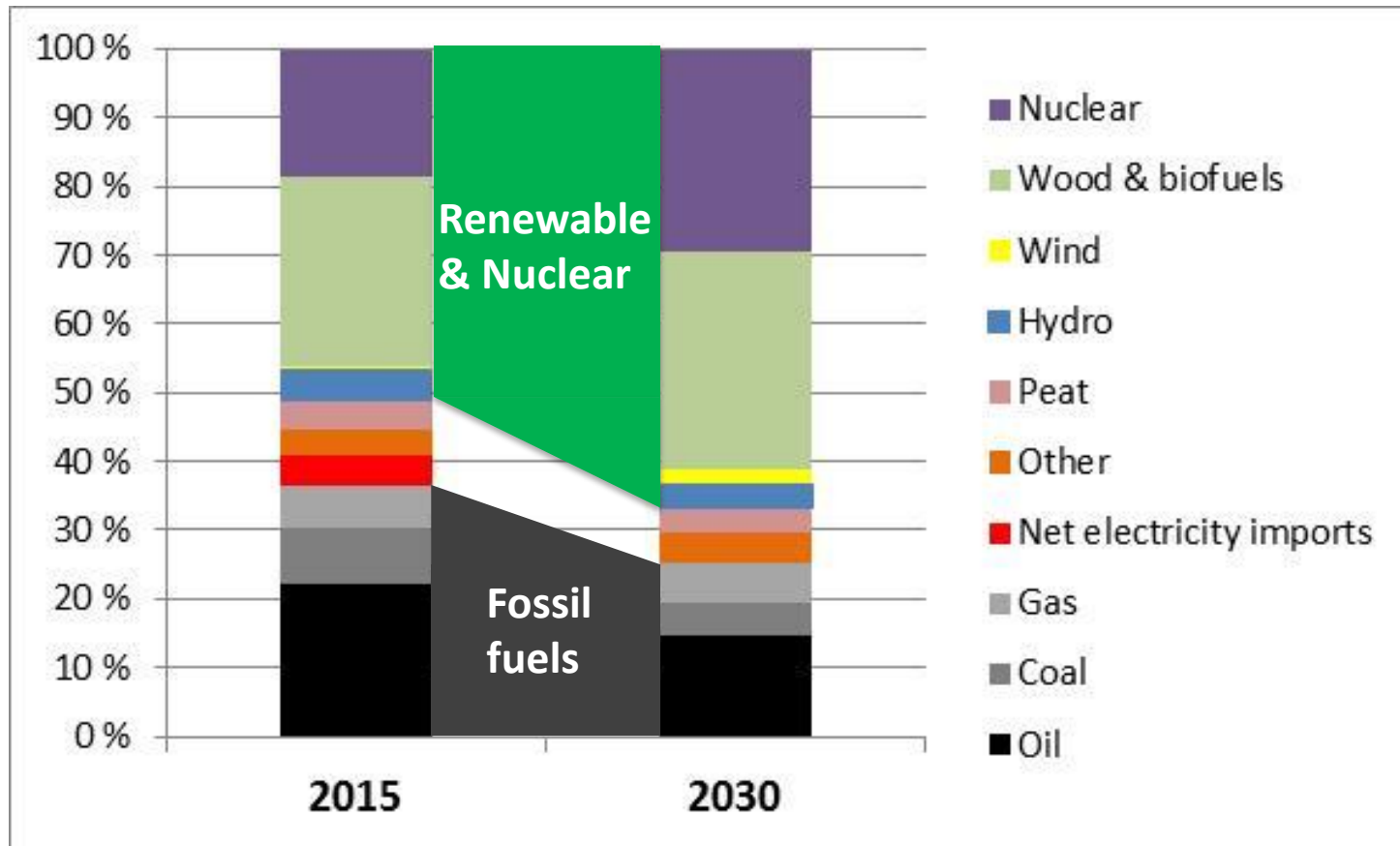
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Biomass in the Arctic countries (3/3)

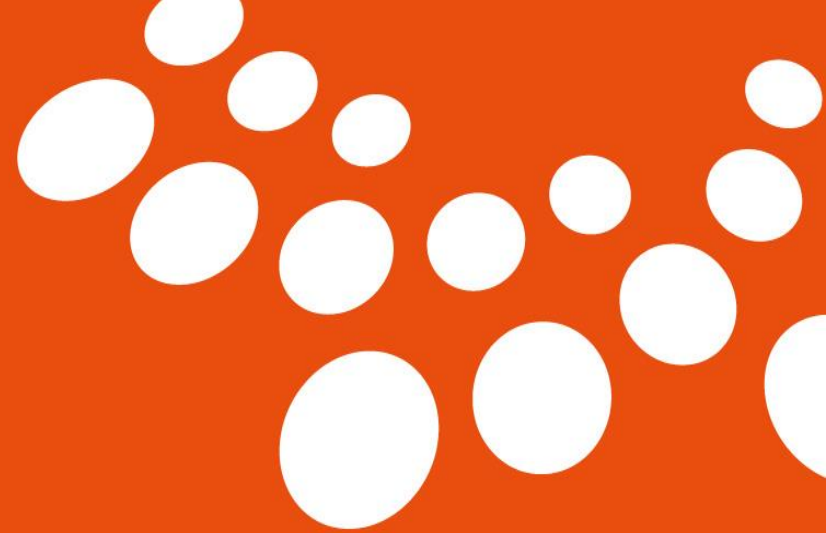


Source: IEA statistics

Targeted Transition of the Energy System in Finland



Source: Finnish government's energy and climate strategy, November 2016



Thank You!

harri.laurikka@bioenergia.fi

@harrilaurikka