



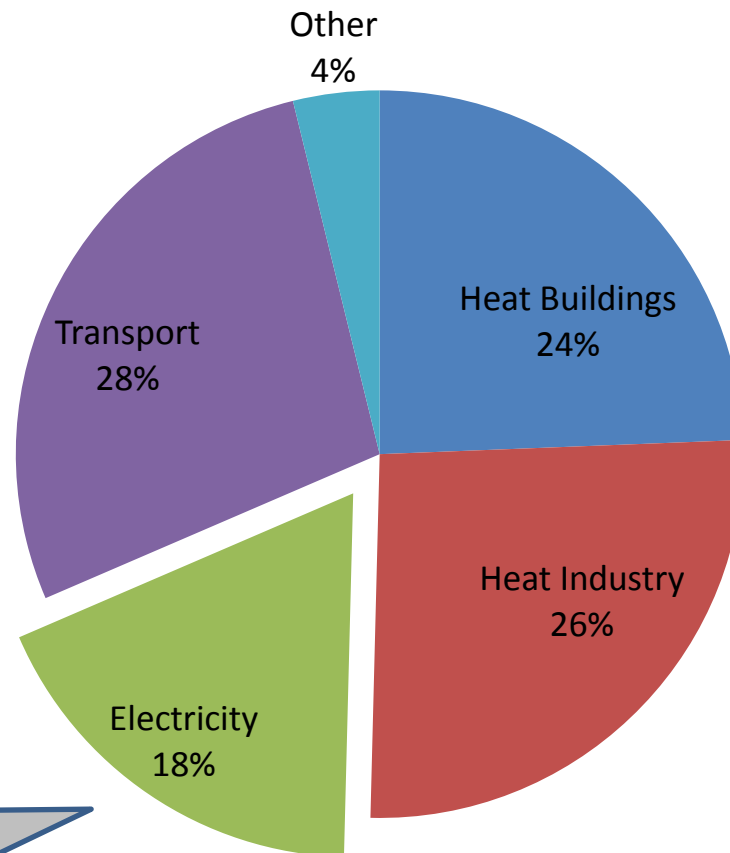
We need to talk about heat

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Renewable Energy Division

Heat is the elephant in the room

Total final energy consumption 2014

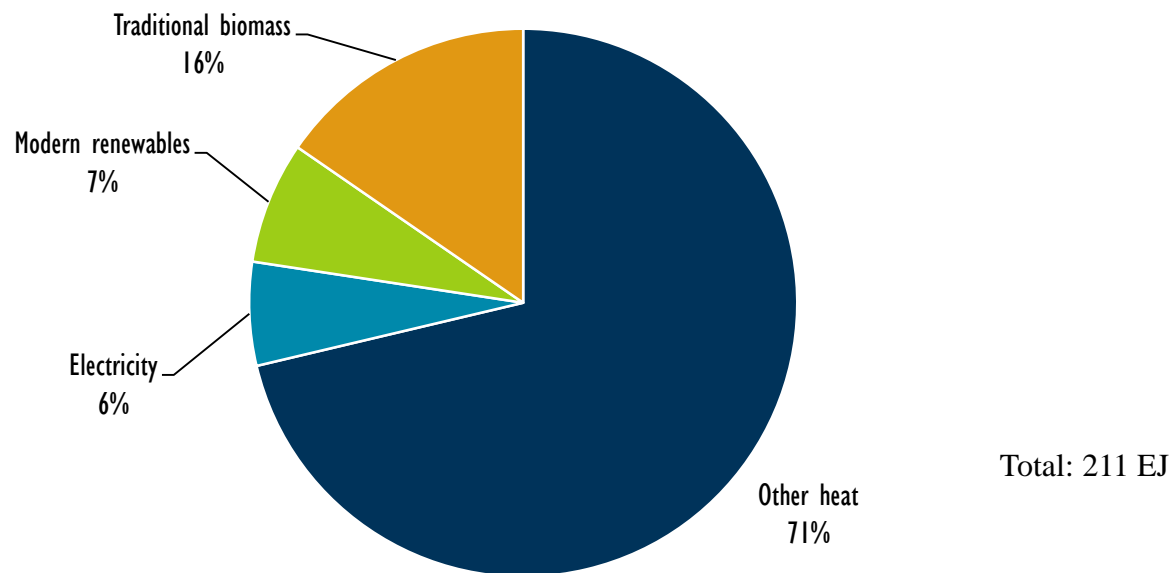


In addition, 18% of electricity demand is for producing

Heat accounts for around 54% of final energy consumption

Heat remains primarily fossil-fuel based

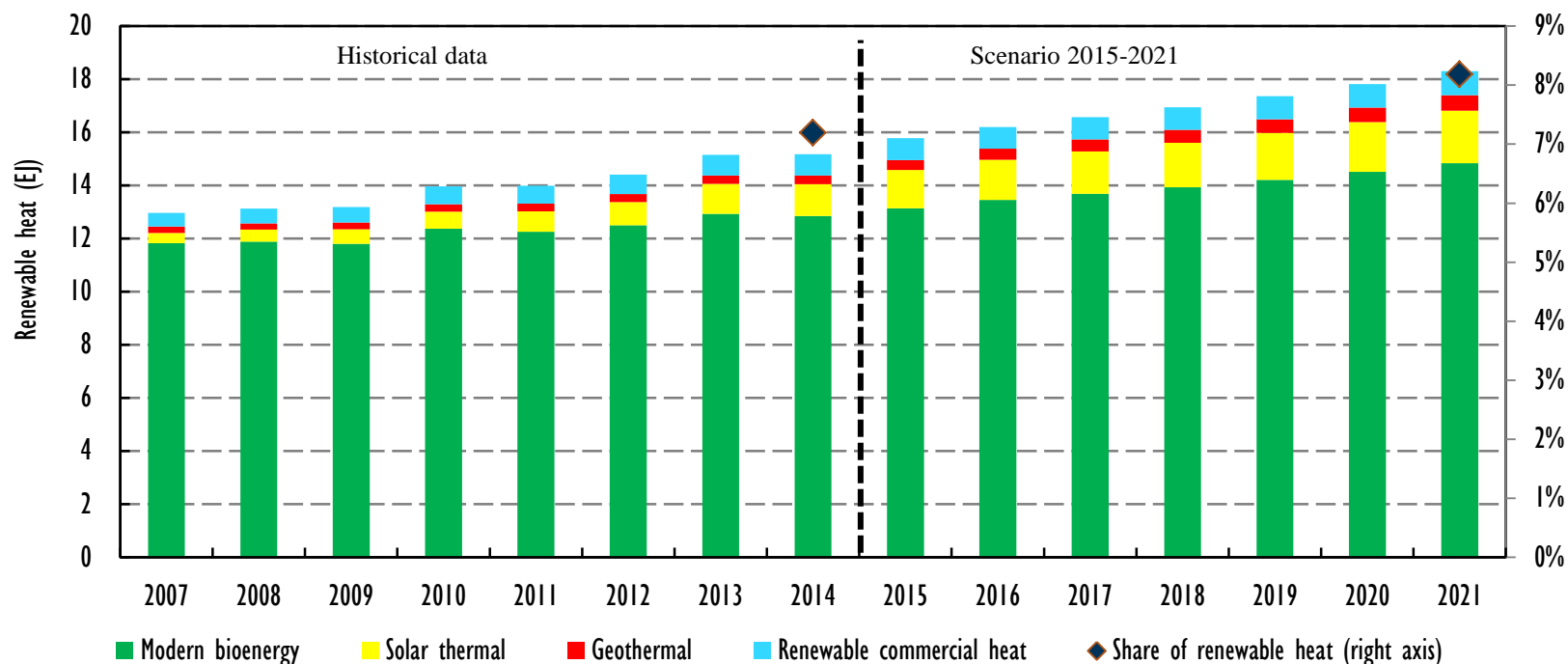
Global consumption of heat, 2014



Heat produces 38% of CO₂ emissions. Or so we think – heat statistics are very poor

Use of renewables for heating is increasing but more slowly than for electricity

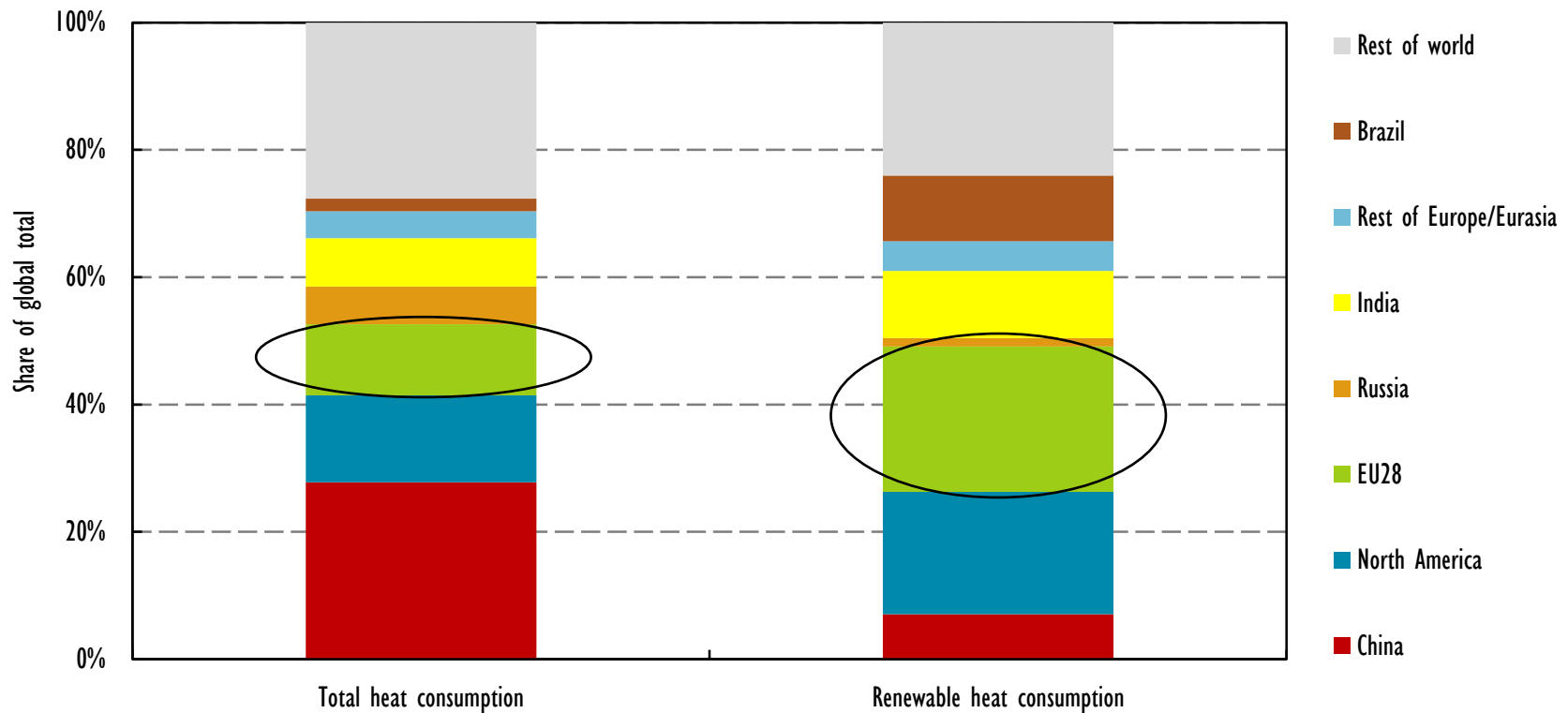
Global final renewable energy use for heat (excluding traditional biomass) 2007-21



Heat markets face multiple barriers, including the low residential heating oil prices. Effective policies are needed for accelerated deployment.

The EU is the global leader in renewable heat

Global heat vs renewable heat consumption 2014



Note: IEA statistics do not include heat pumps

What lessons can be learnt from the EU's progress in RES-H?

Today's workshop

- Identify effective policies – key success factors
- Policy dos and don'ts
- Role of district heating
- Role of electrification
- Role of local authorities
- How to integrate RE heat and energy efficiency