

21. EKI-Fachforum

Großwärmepumpen

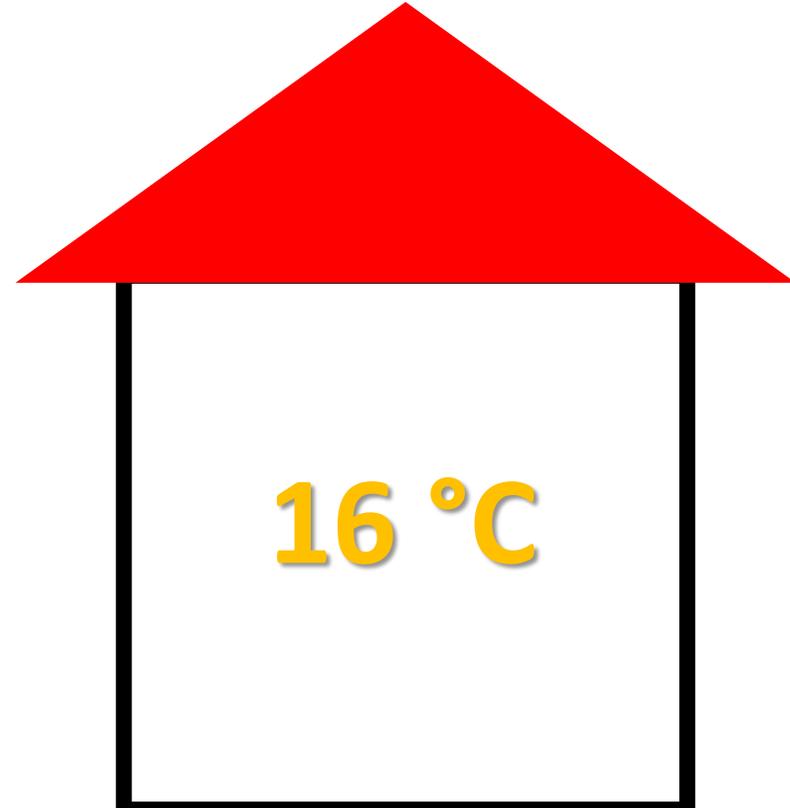
– Projekte und Potenziale in Schleswig-Holstein –

Begrüßung

Michael Berger
FH Westküste / ITE

Und es geht doch!

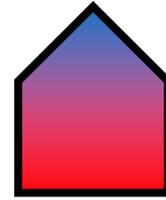
5 °C +



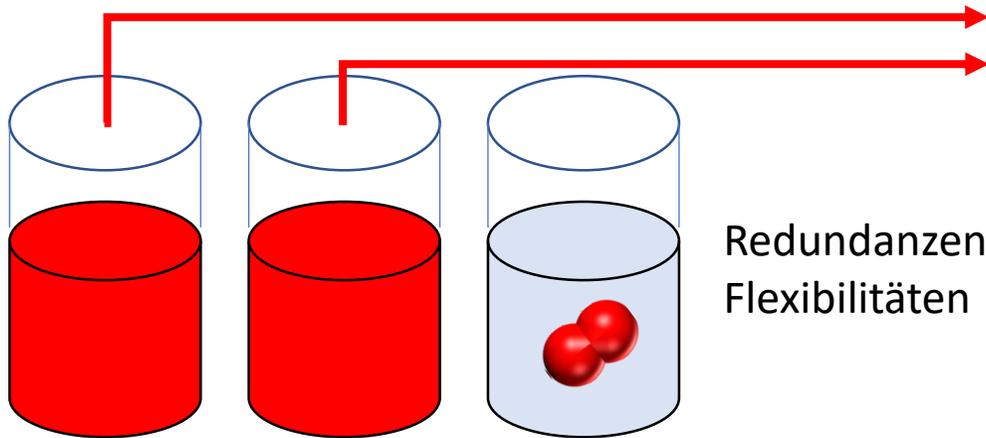
16 °C

= 21 °C

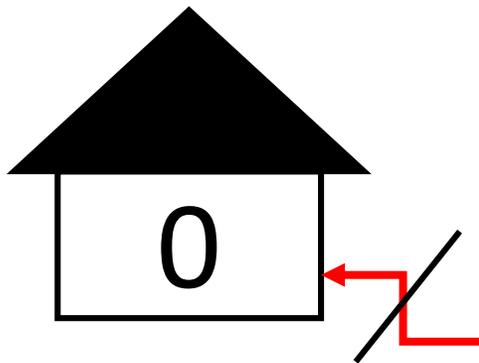
Gute Ideen



Systemaspekte

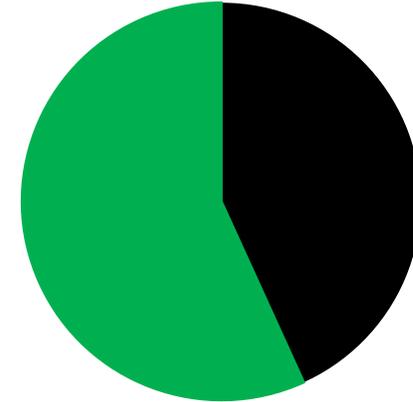


Redundanzen
Flexibilitäten



Bedarfe

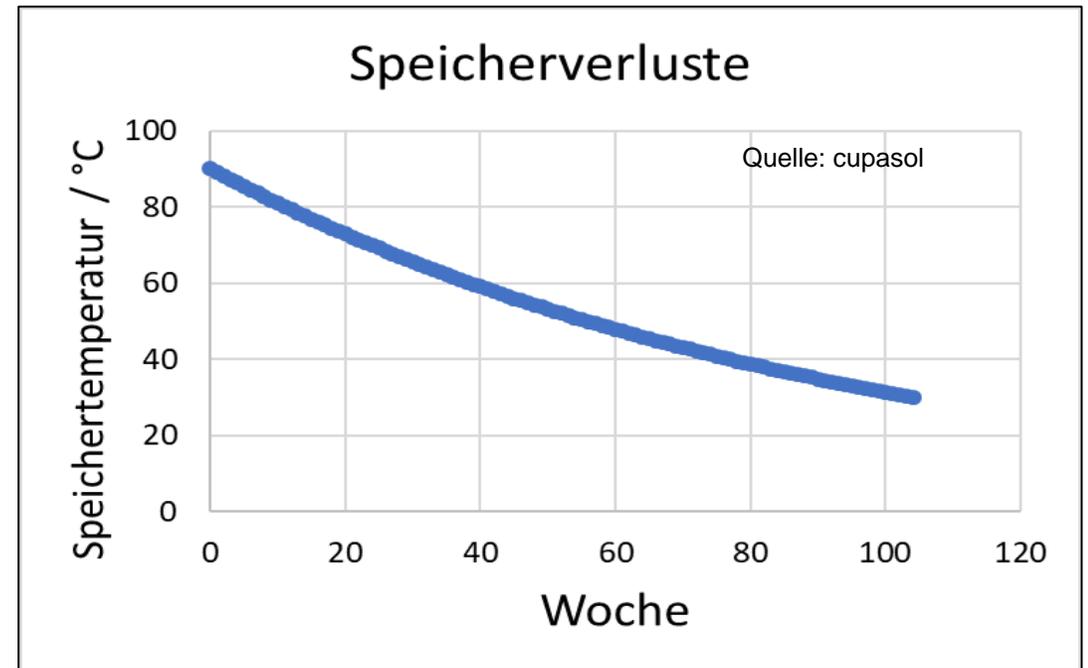
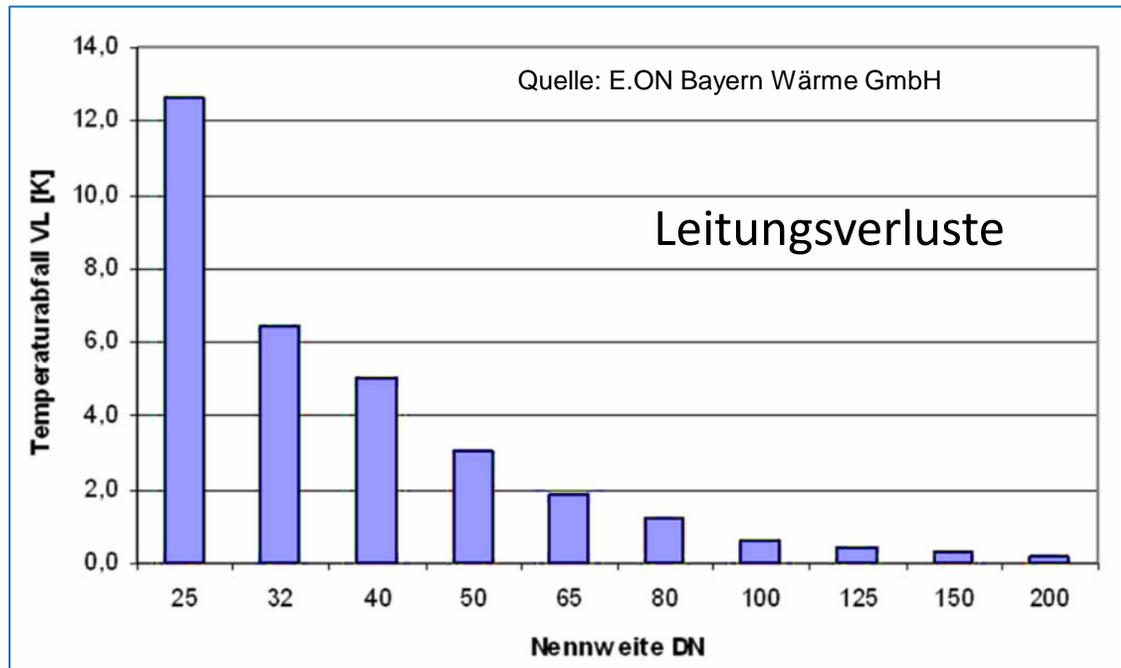
Strom-Mix



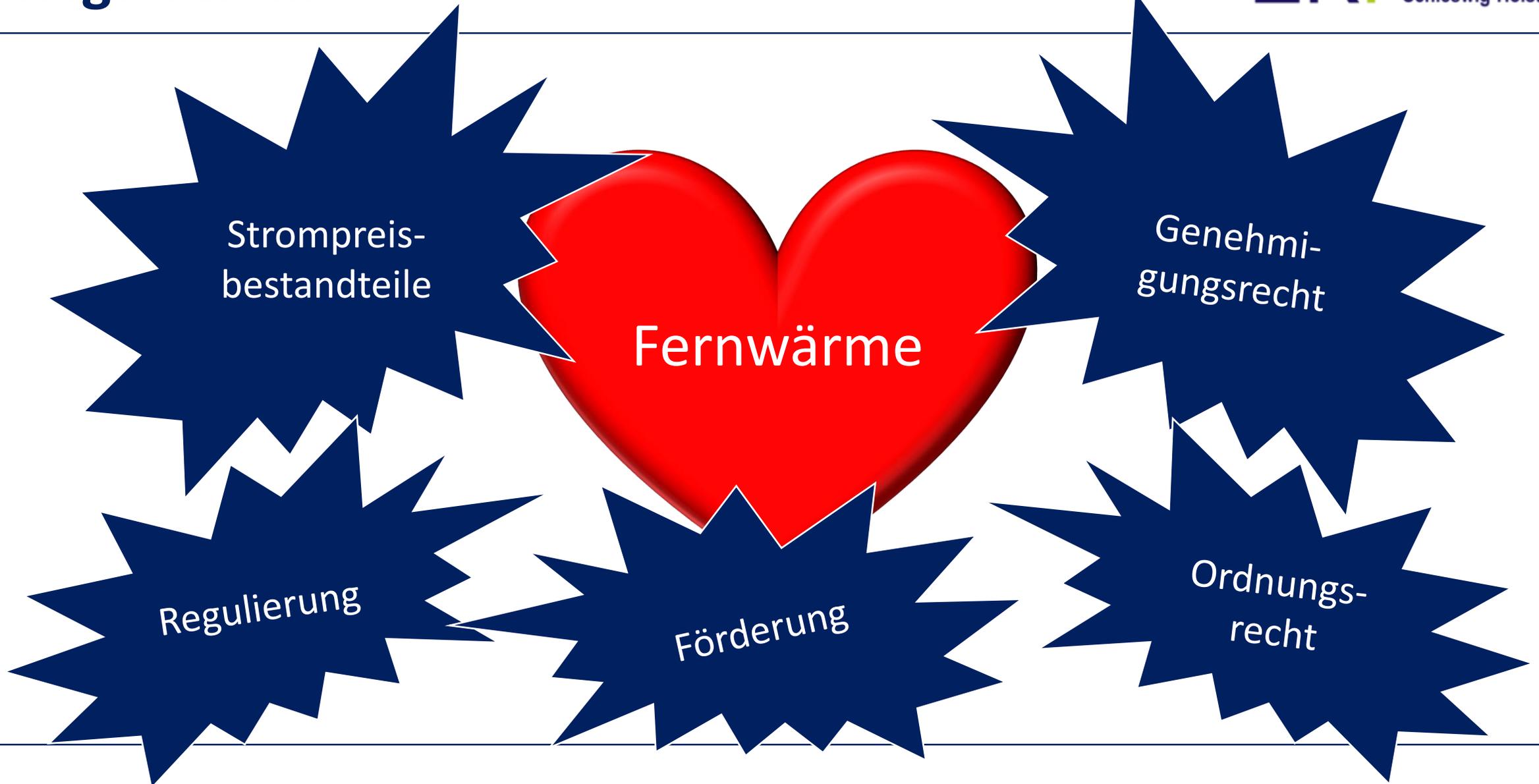
Wettbewerb



Physikalische Grenzen



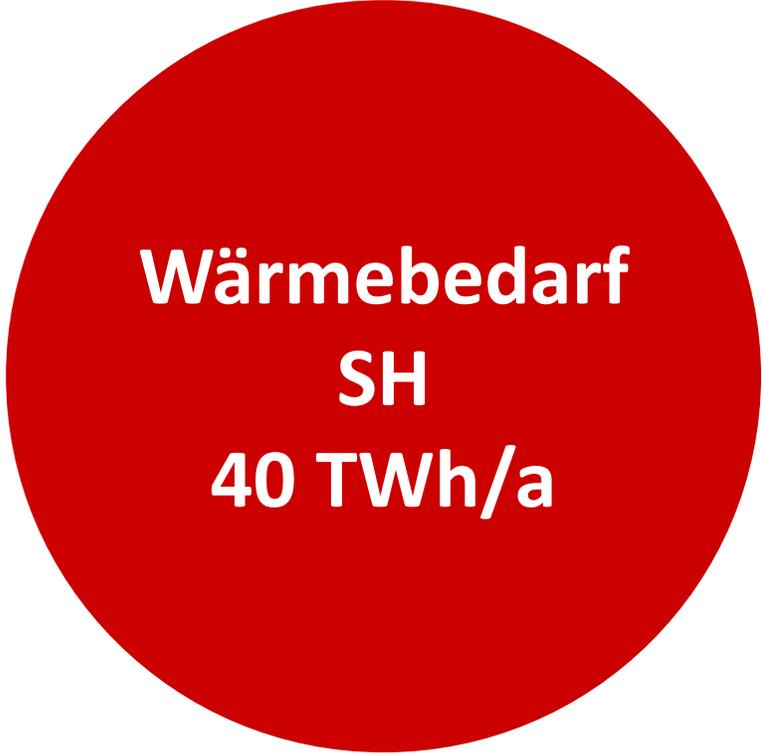
Wärmeverluste sind prinzipiell nicht zu verhindern.



Das Prinzip „Dennoch“



**Strom-
verbrauch
SH
14,4 TWh/a**



**Wärmebedarf
SH
40 TWh/a**

Es lohnt sich!