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Policies (in Europe) for driving heating systems decarbonisation

The 8th IEA-Tsinghua Joint Workshop - Making Buildings Zero-Carbon Ready by 2030 — Near-term Solutions for Heating Systems

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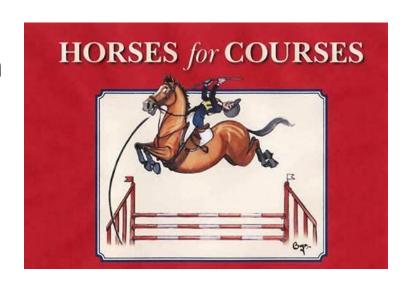
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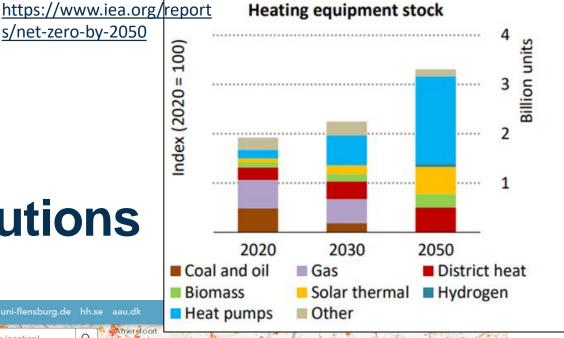
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Governance and market structure matters

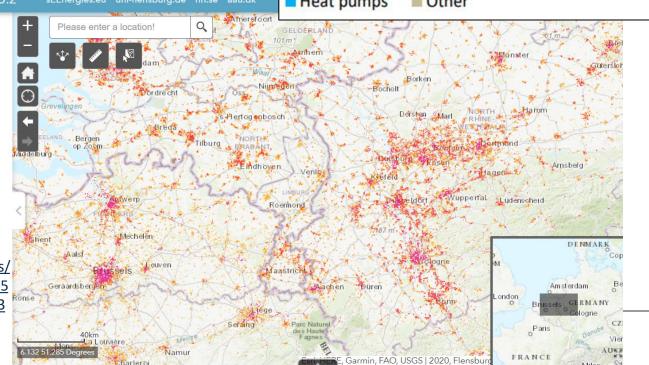
- Central planning and state led delivery more accepted in certain regions.
- Federal systems and municipal structures imply more local rule setting.
- More economically 'liberal' regions may rely more on pricing and financial measures.



Geography increasingly important for communal solutions

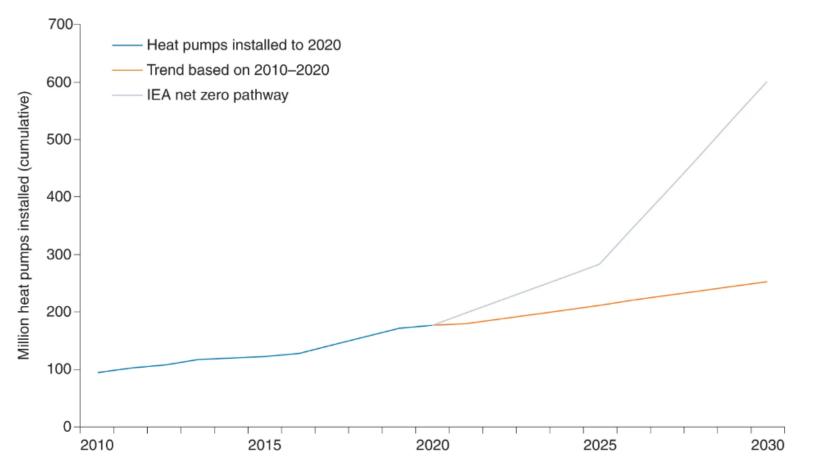








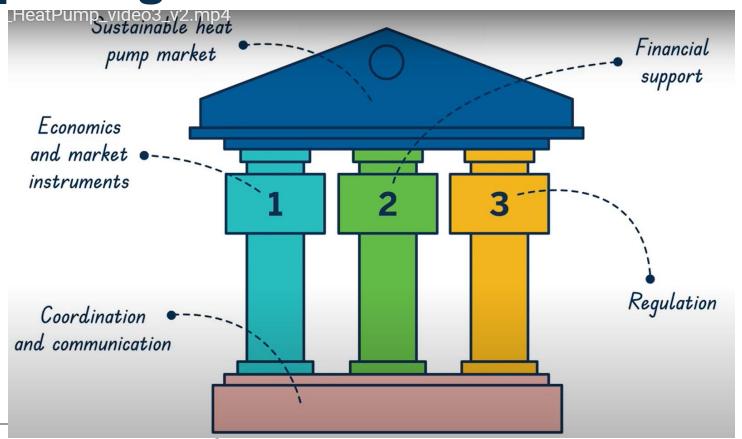
From: Heating up the global heat pump market



Blue line from 16, orange line projection based on market growth rates in 16 and grey line from 5.

Global stock of heat pumps through to 2020 (blue line) and growth to 2030 under a continuation of past trends (orange line), versus the number of units installed under the IEA's net-zero pathway (grey line).

Massive heat pump deployment requires coordinated policy packages



Heat pump policy toolkit, upcoming, RAP

Conclusions

- Heat decarbonisation policy requires multiple tools including governance reform, local planning, economic reform and regulation.
- We are still quite early in learning what works, particularly in the move away from gas.
- This all needs to be considered alongside building thermal (fabric) energy efficiency.