

## **Plenary Keynote: Aurélie Beauvais**

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### **Resource efficiency: a new moto for the heating & cooling transition**

#### **Abstract**

Heating and cooling account for half of the EU energy demand. With over 60% coming from fossil fuels. The transition of the heating sector is therefore essential to achieve the EU's climate targets, and break-free from fossil fuel imports dependency. The heating & cooling demand isn't only hooked on fossil fuels. It is by nature a seasonal demand, subject to wide variations which put the European energy system under pressure, and complicate the implementation of robust decarbonization strategies. To address this multidimensional challenge, resource efficiency imposes itself as a new moto. But what does it mean?

On its decarbonization journey the heating & cooling sector cannot rely solely on the growth of renewable electricity sources, for which competition in terms of uses and between sectors is becoming increasingly pressing (e.g; transport, industry, hydrogen, etc). It must capitalise on its ability to decarbonise using a wide diversity of clean energy sources, both electric and non-electric, and develop tailored decarbonization strategies adapted to local energy resources and buildings characteristics. This approach would not only accelerate the decarbonization of the heating & cooling sector but would also help to ensure a more secure and flexible EU energy system.