

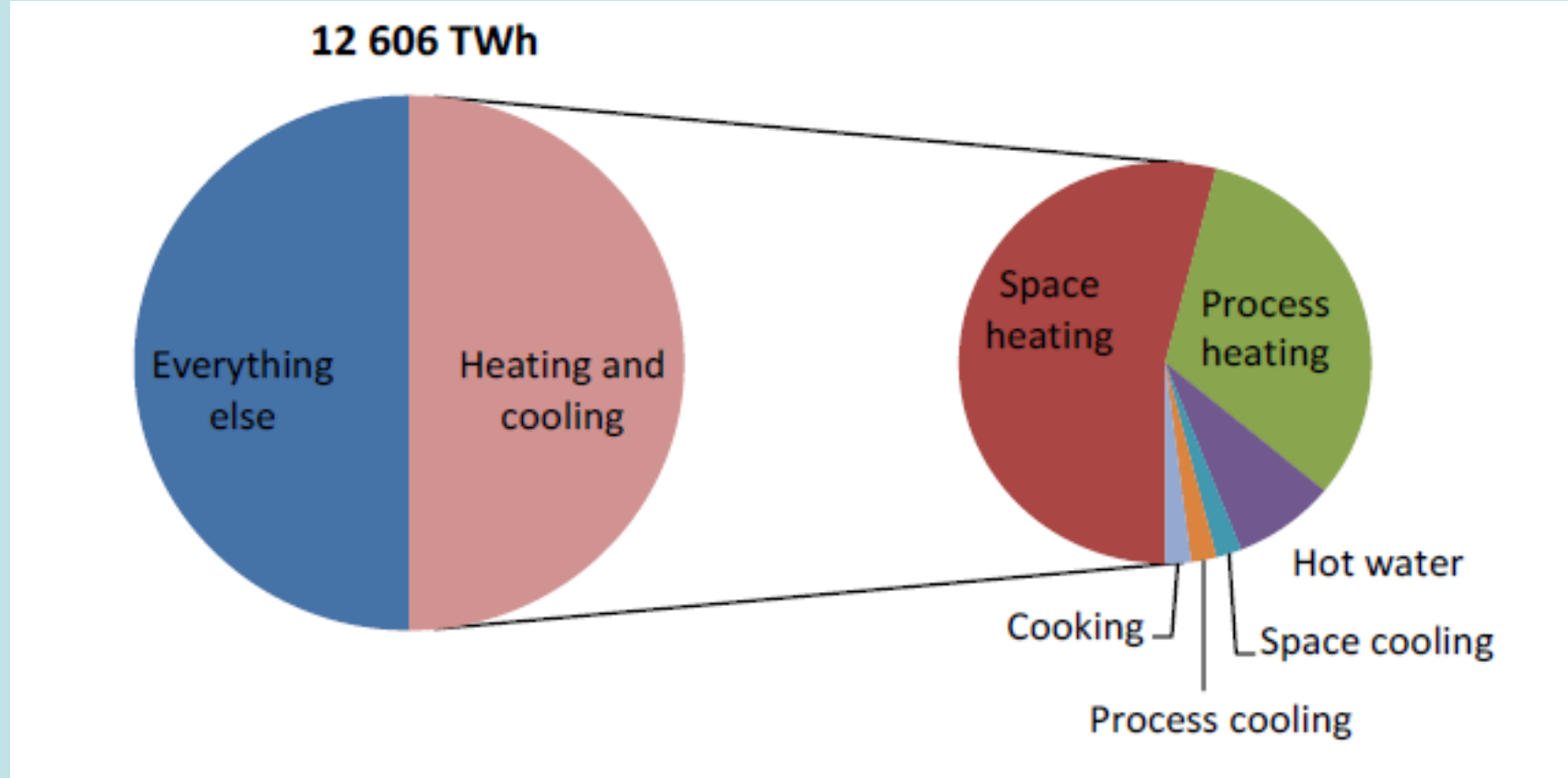
Opportunities from the digitalisation of heating & cooling

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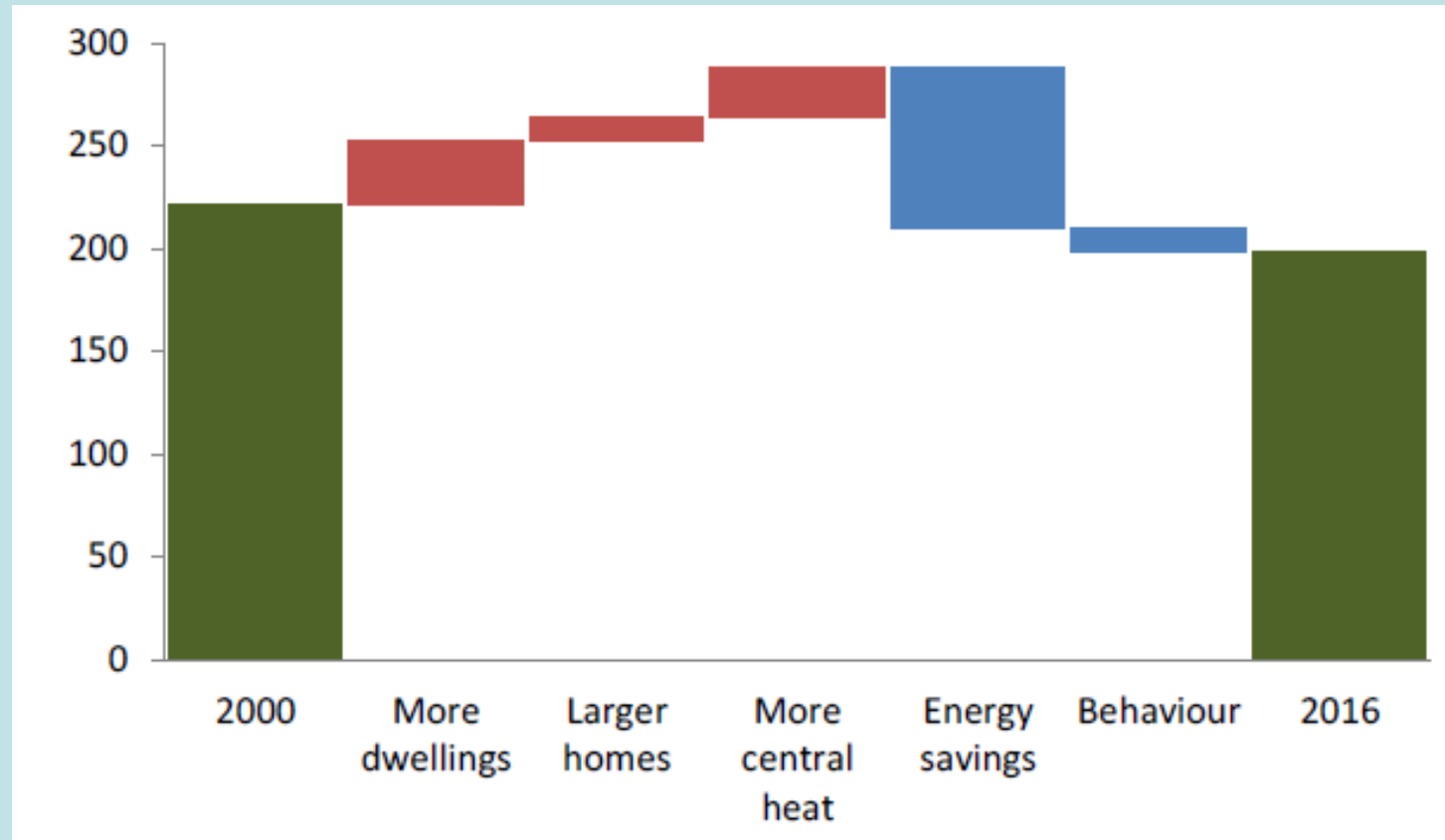
Heat Pump Forum 2019, 16 May 2019, Brussels

The other half: EU final energy by end use, 2015



Source: Heat Roadmap Europe, 2018

EU household energy for space heating (normal climate) (Mtoe)

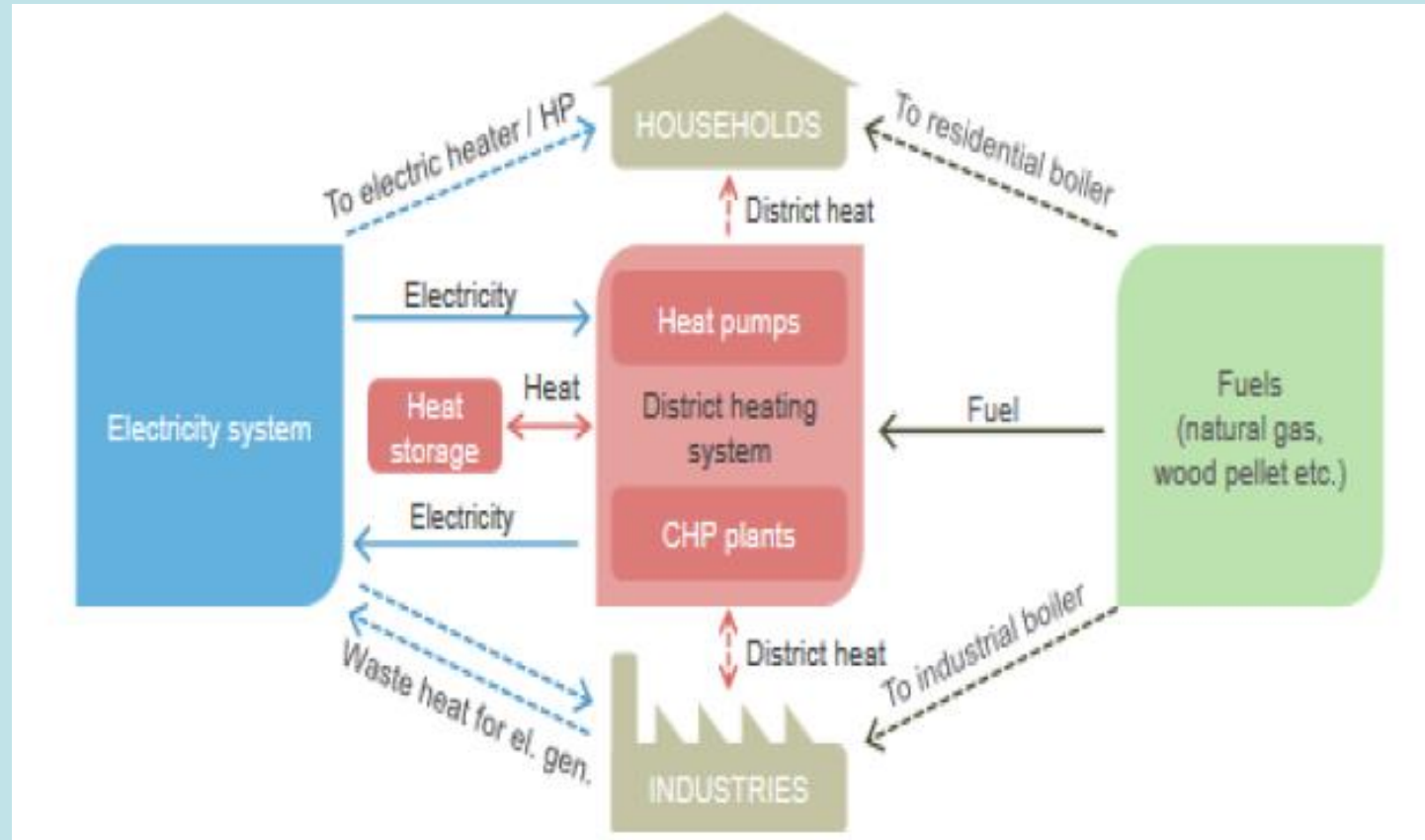


Source: ODYSSEE, 2018

Digitalisation: Opportunities for heating and cooling

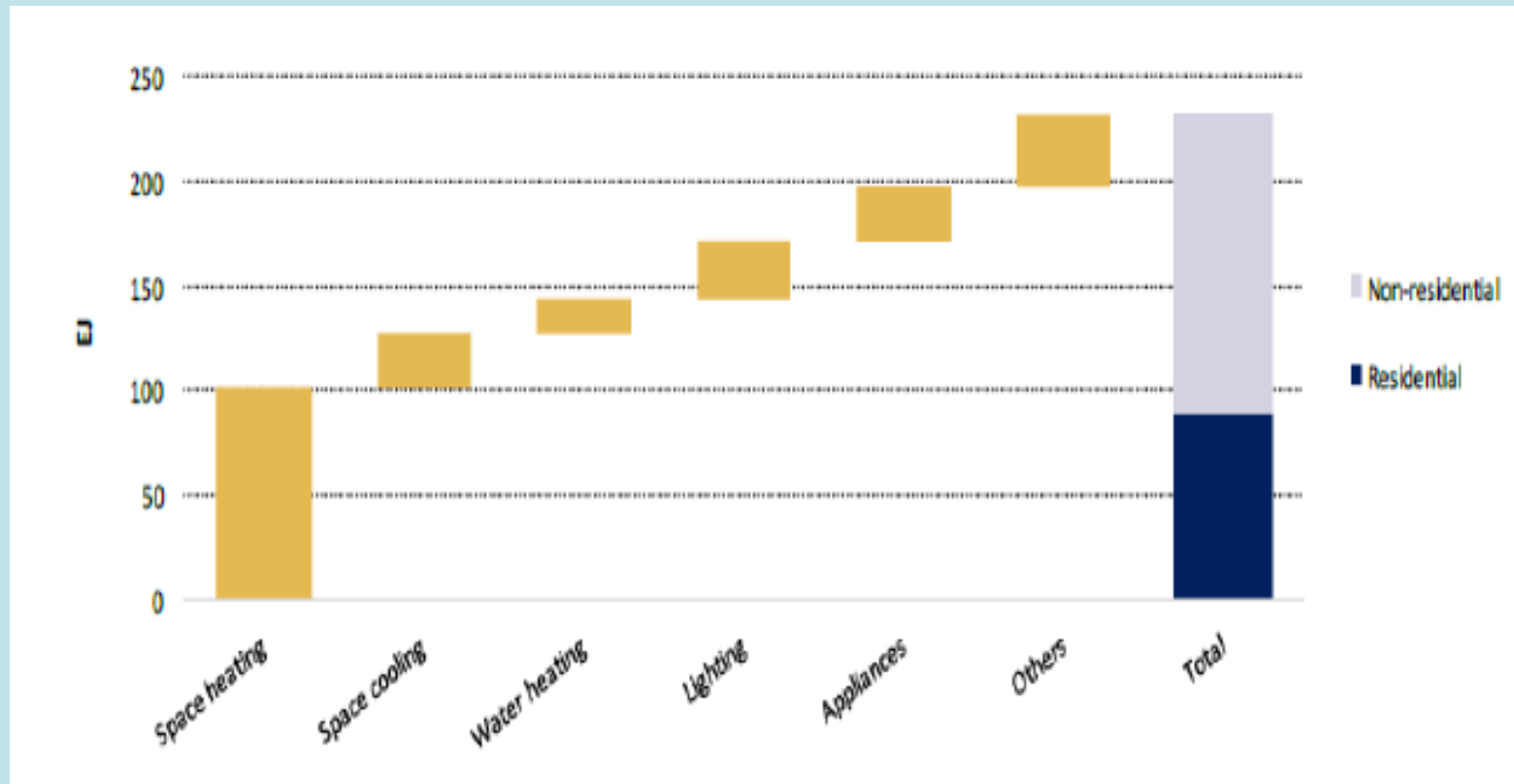


Integration of heat and electricity systems



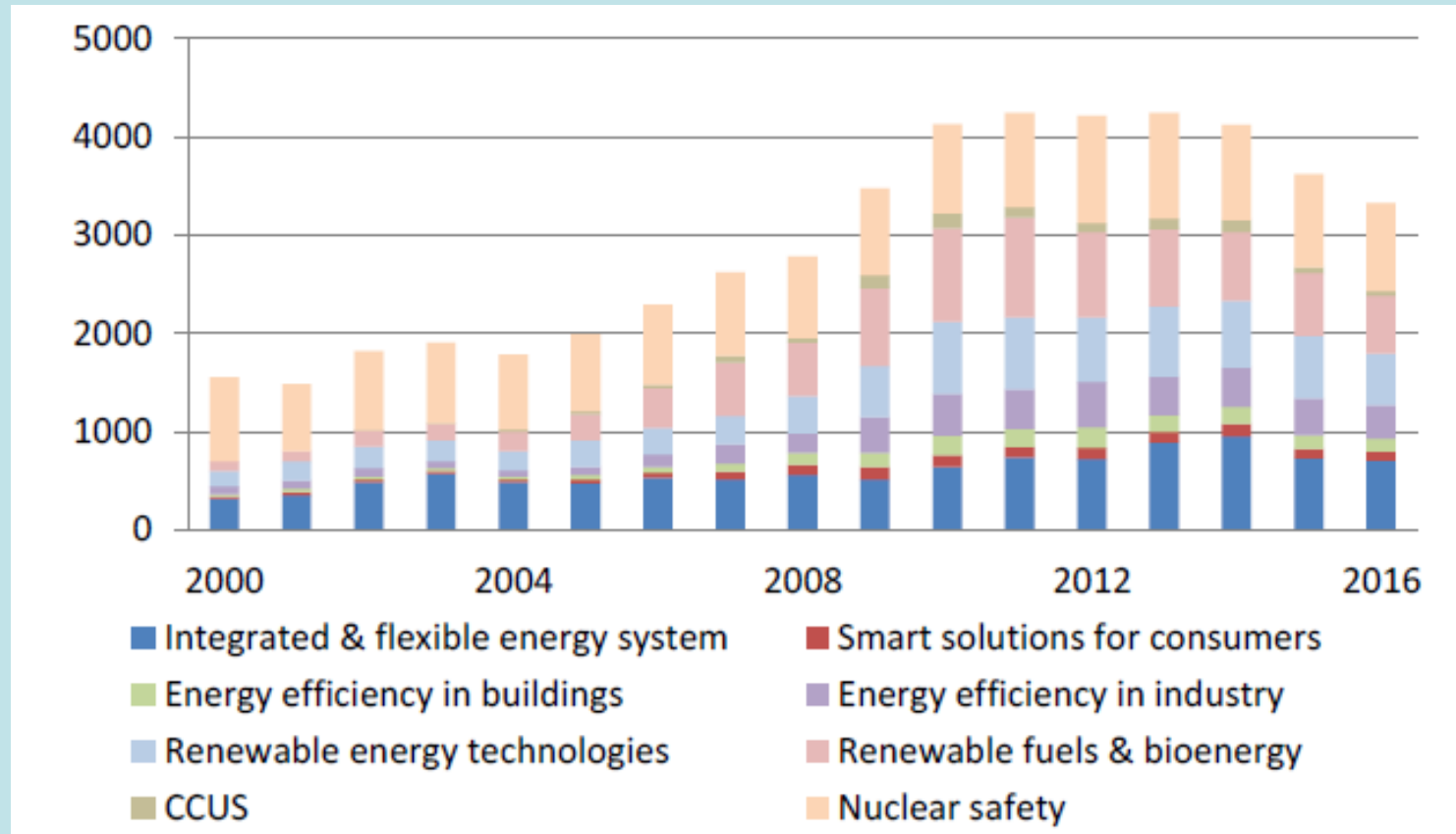
Source: IEA, 2017

Cumulative energy savings in buildings from widespread digitalisation, 2018-40



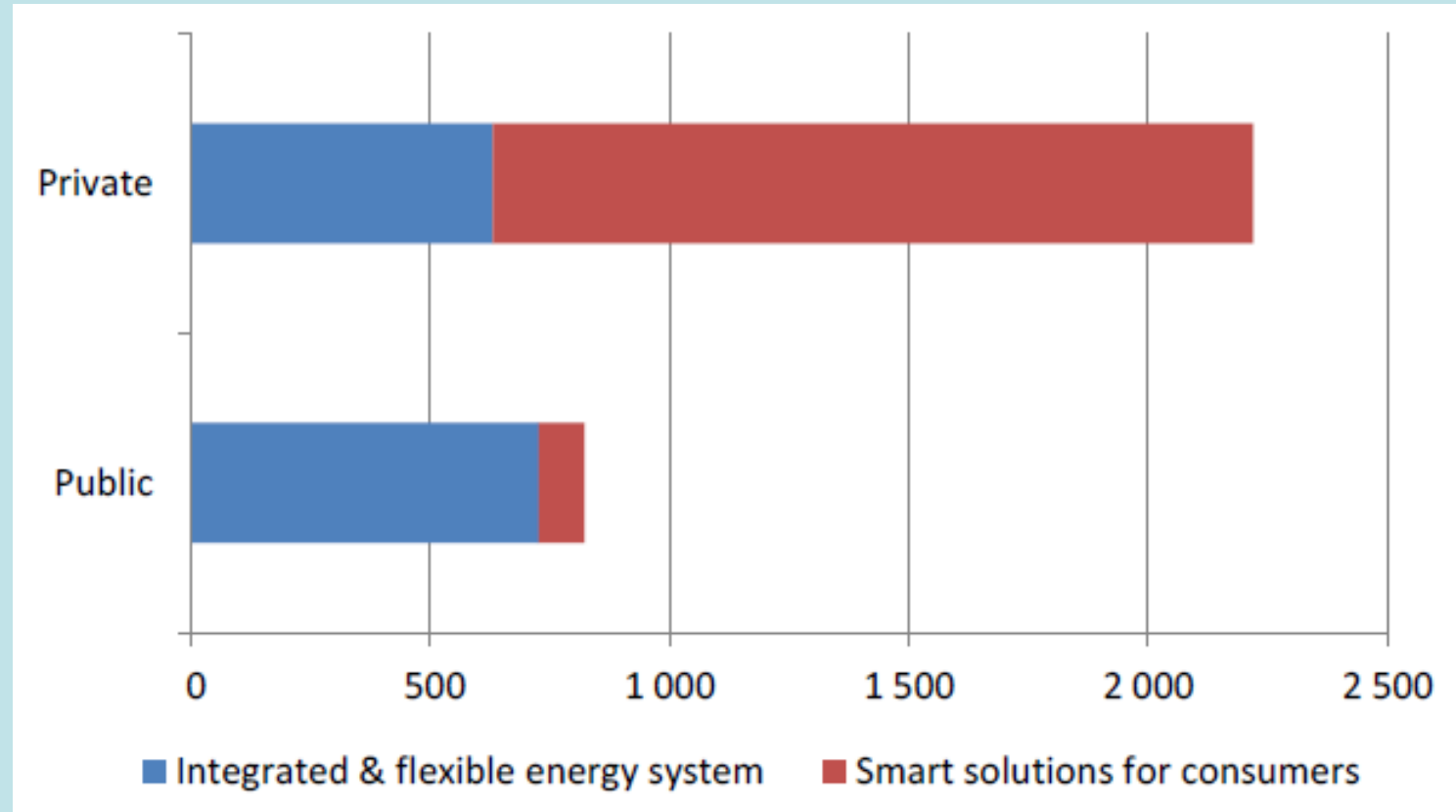
Source: IEA, 2017

Public EU R&I, 2016 (EUR millions)



Based on Pasimeni et al., 2018

EU R&I, 2015 (EUR millions)



Pasimeni et al., 2018