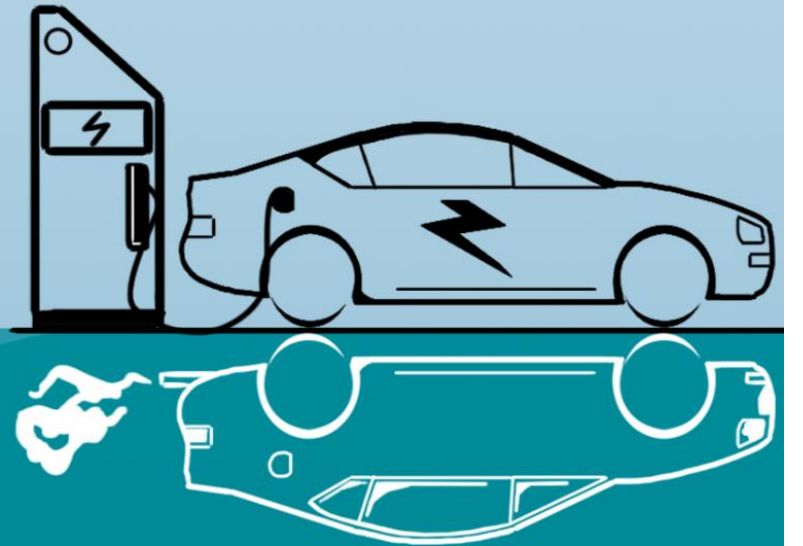


The impacts of transport electrification on the electricity network

December 2019



Smart Energy Transition to Upgrade regional Performance (SET-UP) in a nutshell



Interregional cooperation project



6 regions in Europe + 1 Advisory partner










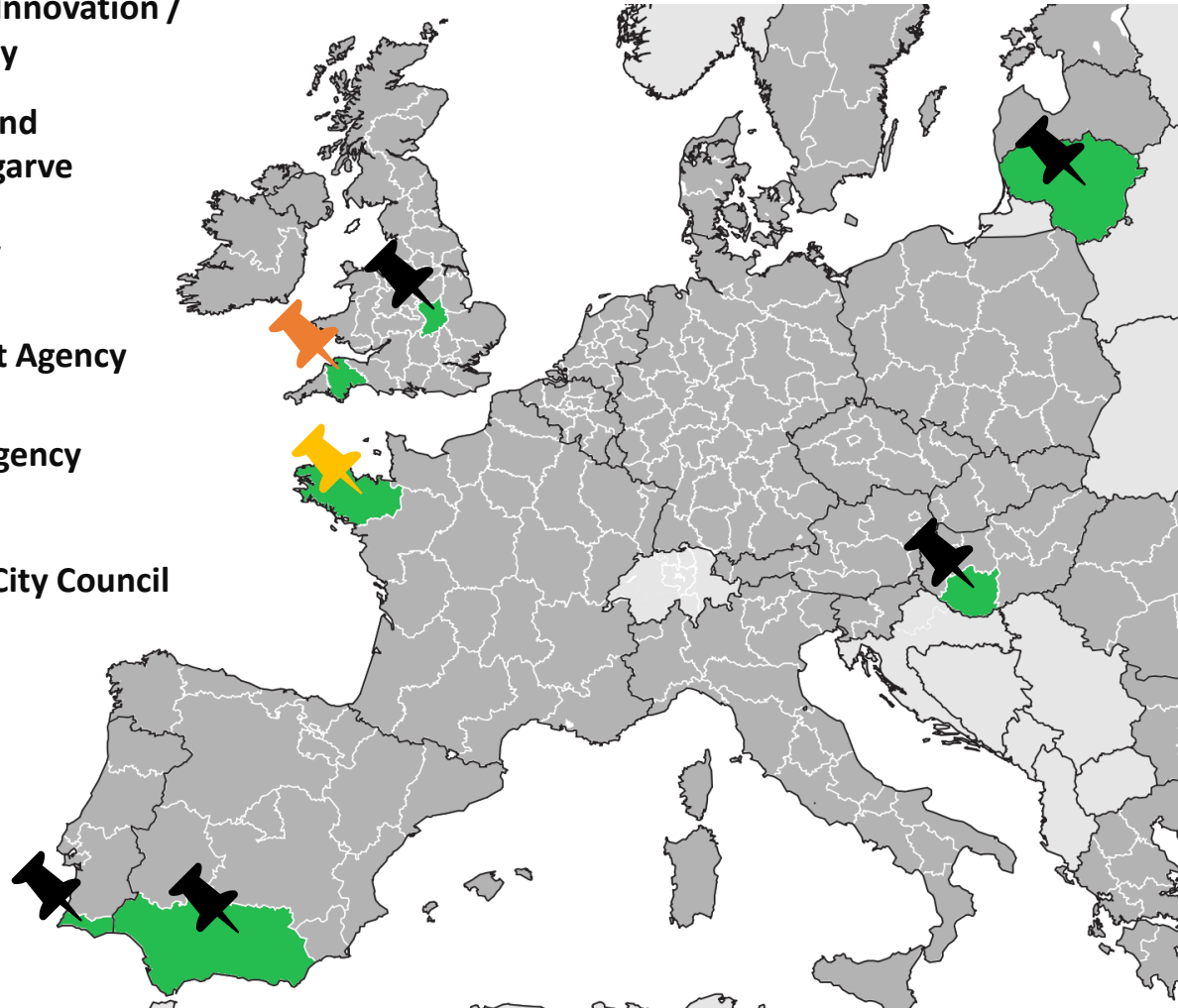
Improved Smart Grids Policies



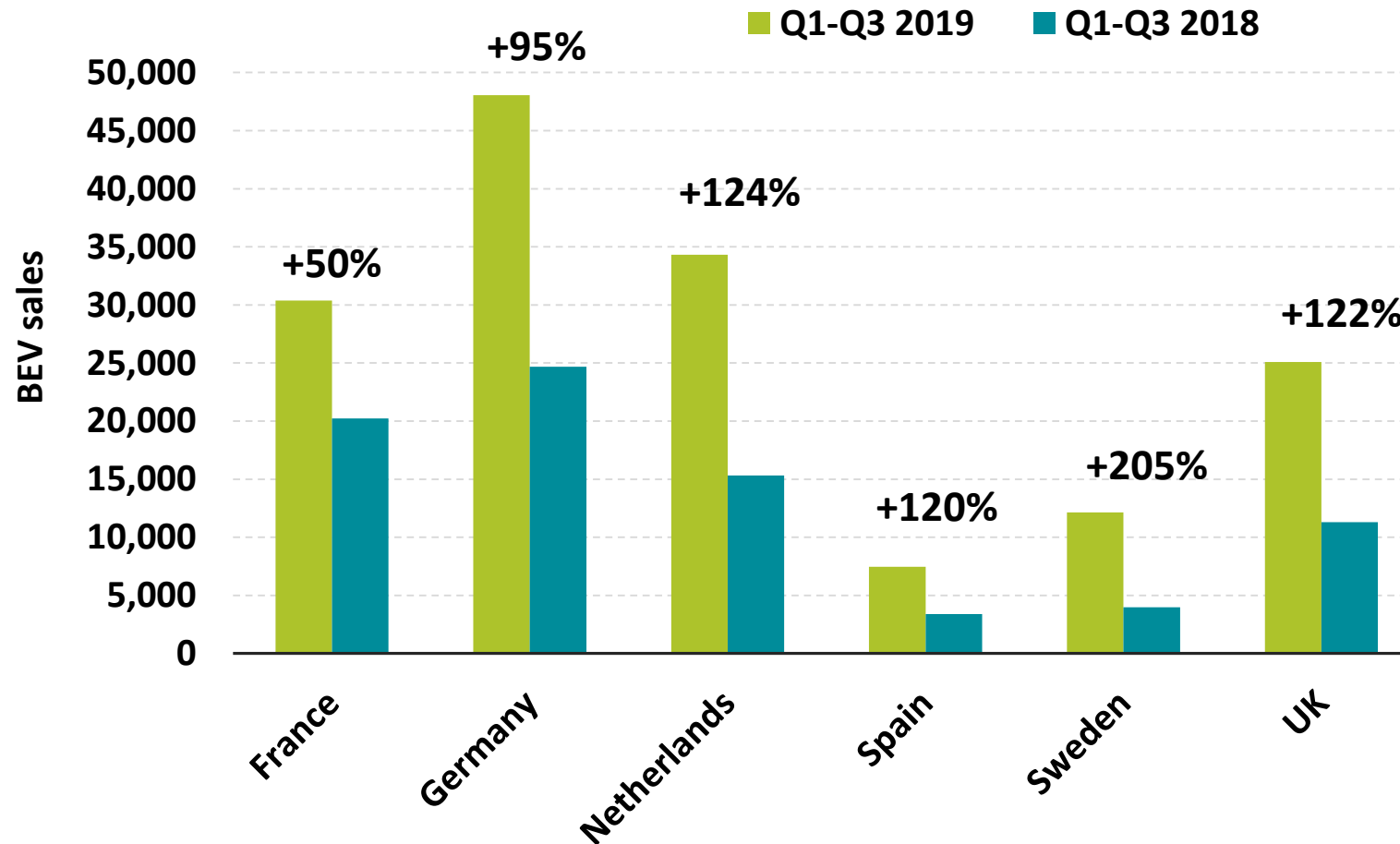
**Business models, consumer engagement,
funding opportunities**

SET-UP partners

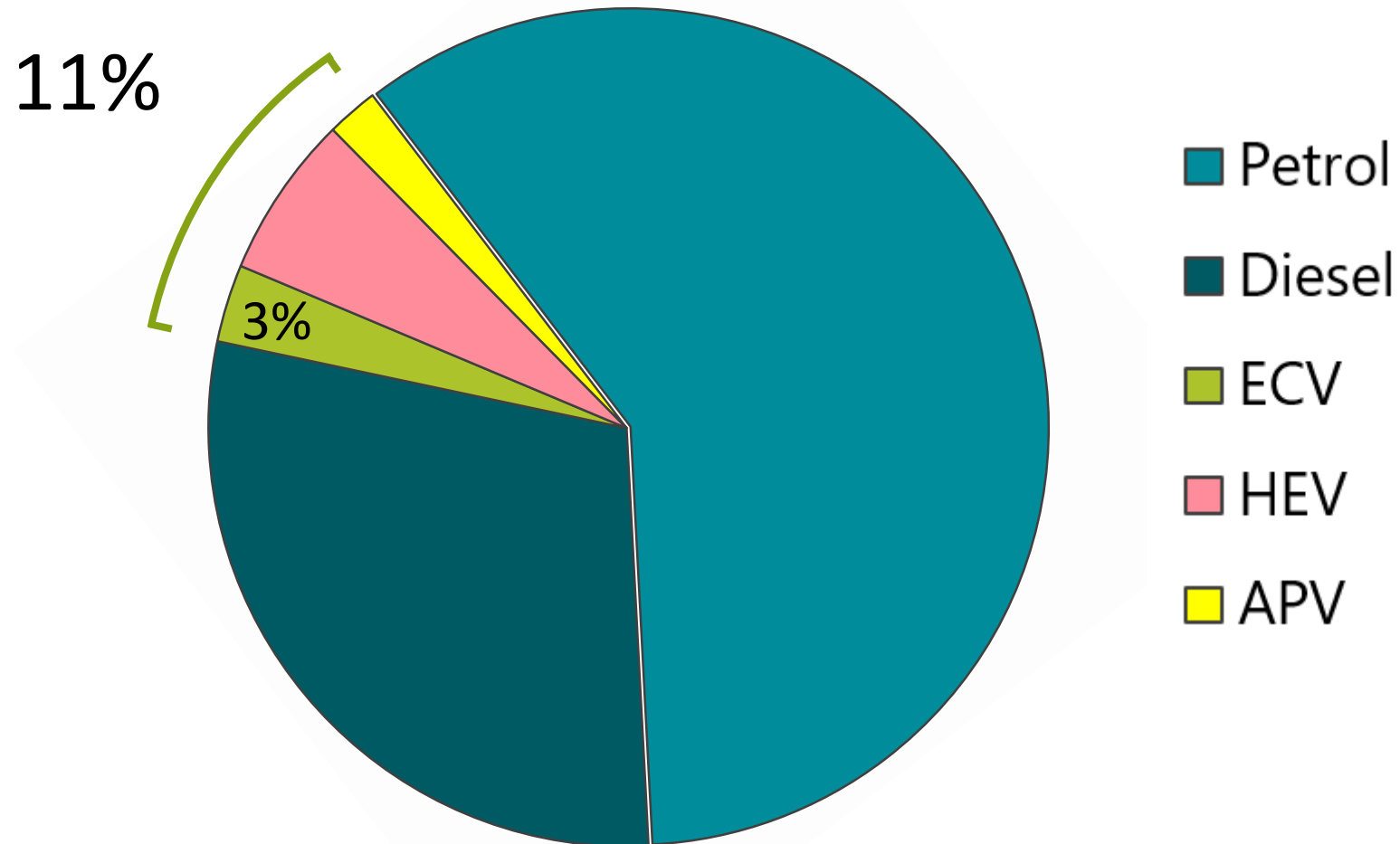
-  Bretagne Développement Innovation /
Regional Council of Brittany
-  AREAL – Regional Energy and
Environment Agency of Algarve
-  Andalusian Energy Agency
-  Tolna County Development Agency
-  Kaunas Regional Energy Agency
-  Leicester
Energy Agency/ Leicester City Council
-  Regen



Battery Electric Vehicle sales in EU



Battery Electric Vehicle sales in EU



Fleet electrification



System level and local energy challenge

MailOnline



UK could need 20 more nuclear power stations if electric cars take over our roads and cause 'massive strain' on power network

- Expansion in electric cars could mean UK needs '20 more nuclear power plants'
- Research said low emission vehicles could cause 'massive strain' on power grid
- Transport for London research said London would need two power plants alone
- Comes as Department for Transport wants to boost vehicles use across Britain

 REUTERS

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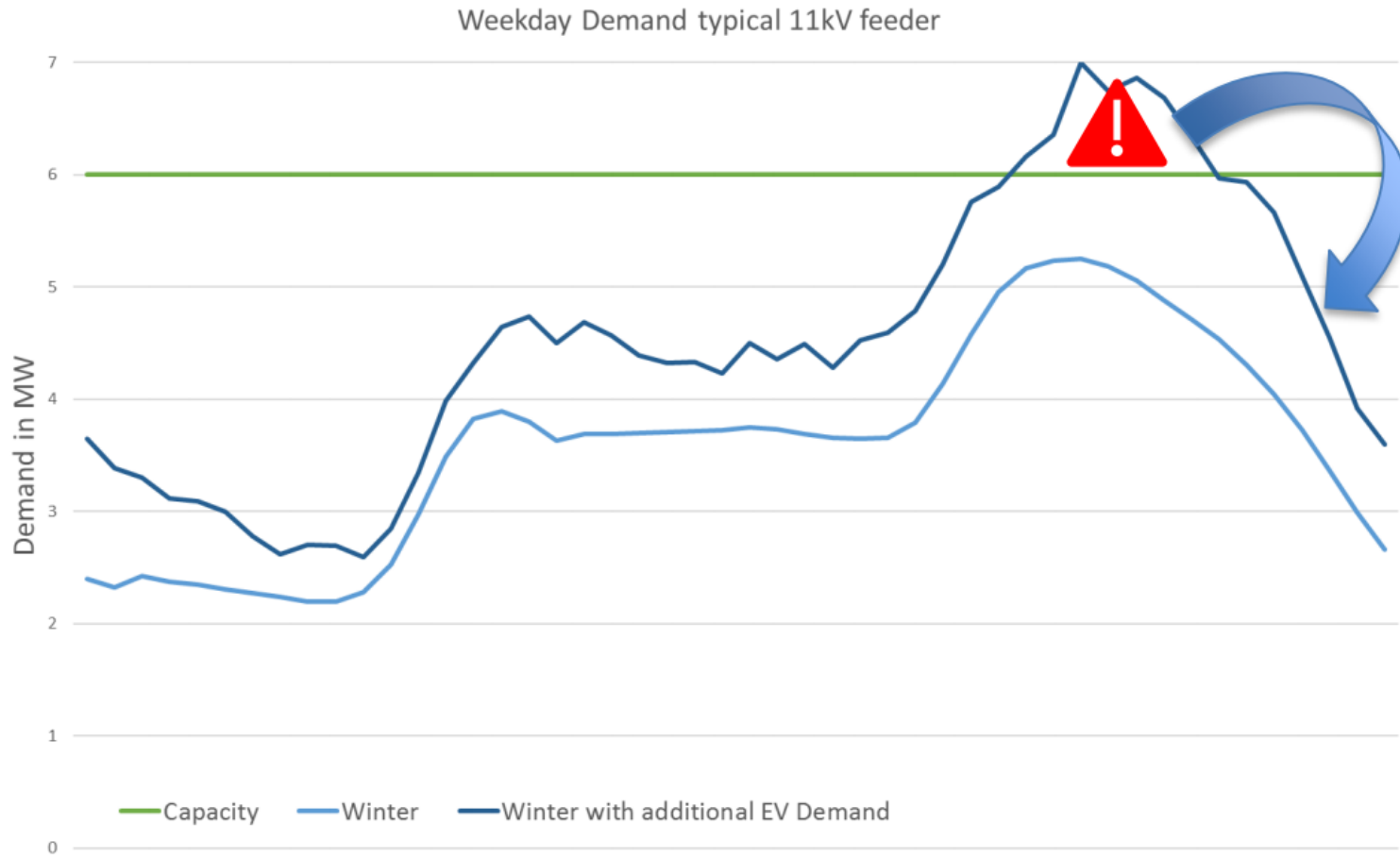
Electric vehicles could lift UK peak power demand by 3.5 GW by 2030 - National Grid

3 MIN READ



LONDON (Reuters) - The growing use of electric vehicles could increase electricity peak demand by 3.5 gigawatts (GW) in Britain by 2030, National Grid said on Thursday.

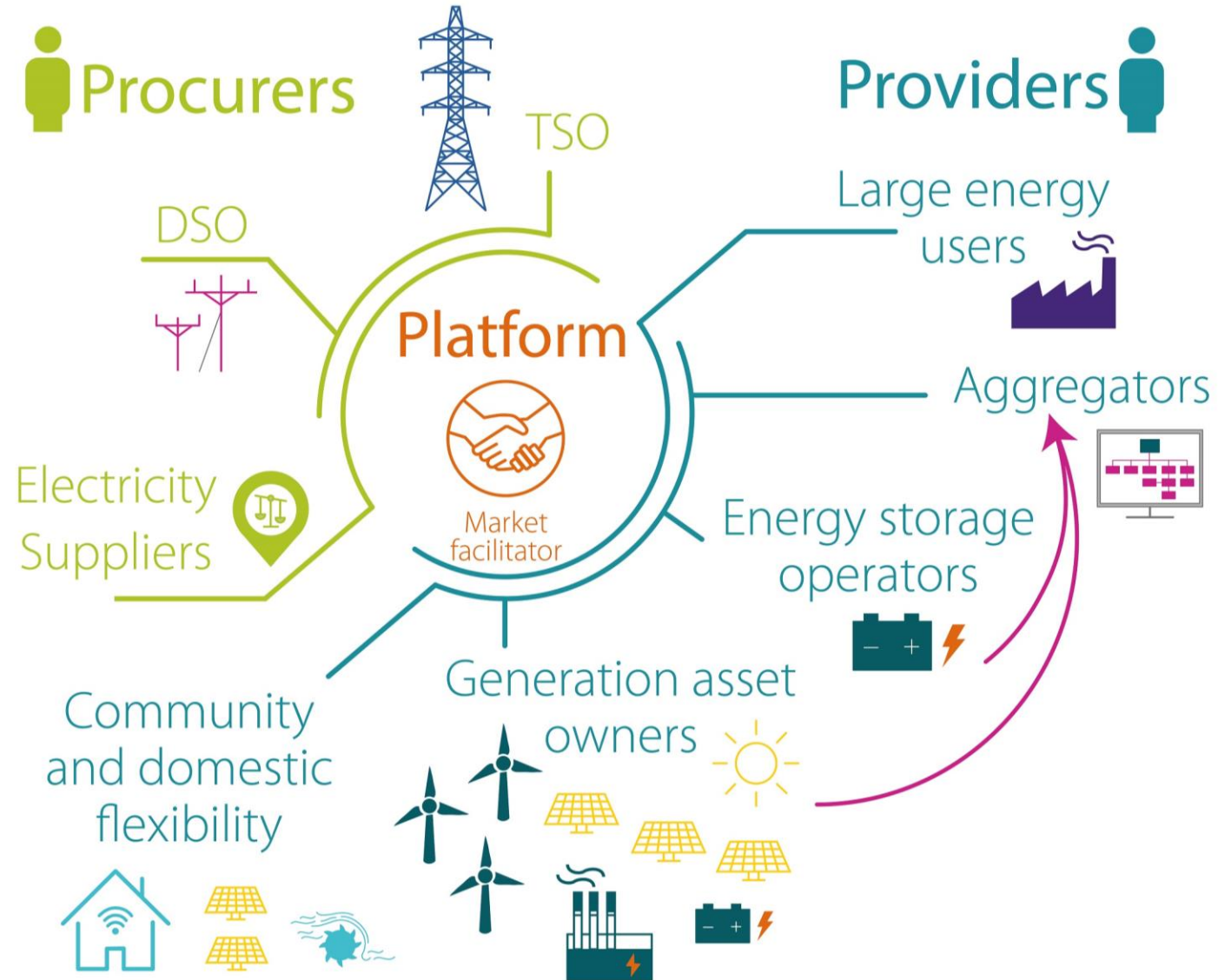
System level and local energy challenge



Targeted network investment



Local flexibility markets



Local flexibility markets

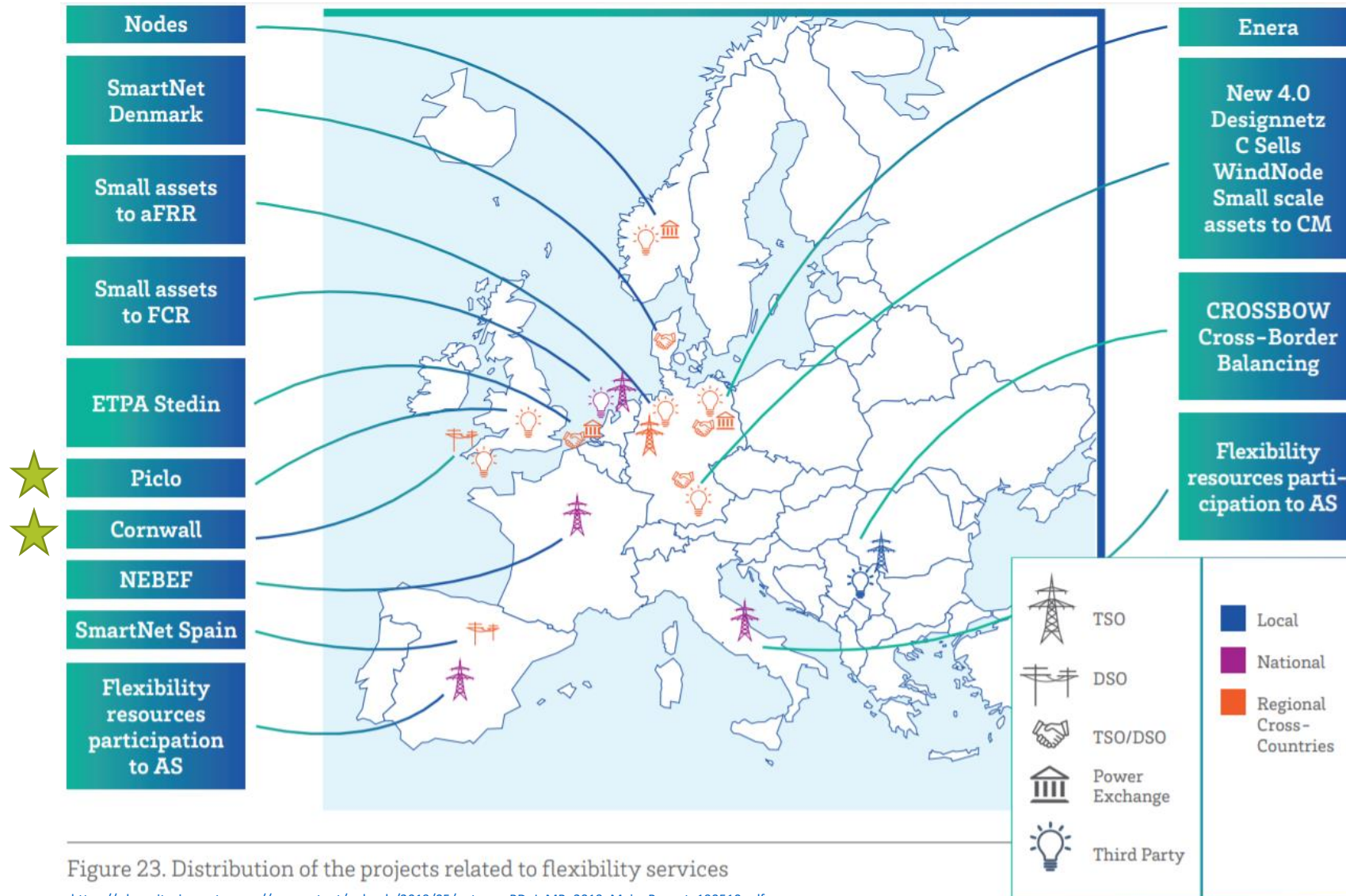
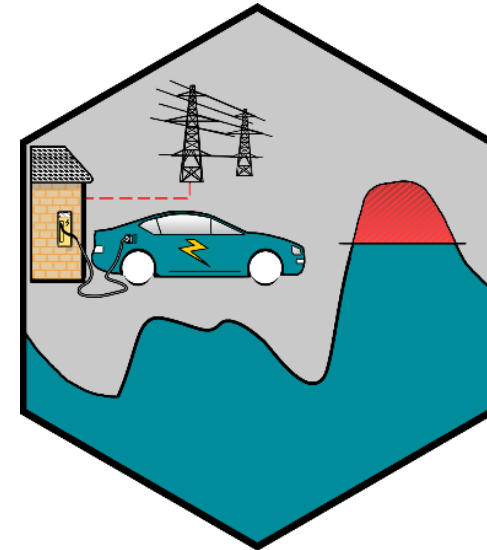


Figure 23. Distribution of the projects related to flexibility services

Smart charging



Thank you for listening

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