



# Powering a climate-neutral economy

The Energy System Integration (and Hydrogen) Strategies

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# Making it happen – an action plan for Energy System Integration

Pillar	Actions oriented towards	Main tools involved (*)
<b>A more circular and energy efficient energy system</b>	<ul style="list-style-type: none"> <li>• Better apply <b>Energy efficiency first principle</b></li> <li>• Better mobilise <b>waste heat</b></li> <li>• Better mobilise <b>biowaste</b></li> </ul>	RED, EED, TEN-E CAP, LIFE funding
<b>A deep electrification of consumption, based on renewable electricity</b>	<ul style="list-style-type: none"> <li>• Increased <b>supply RES electricity</b></li> <li>• Faster <b>electrification end-use sectors</b></li> <li>• Roll out <b>EV infrastructure</b> &amp; new loads integration</li> </ul>	RED, IED, AFID, TEN-E, TEN-T, CO2 emissions for cars, Offshore RES, Renovation wave Network code on Demand side flexibility EU funding
<b>RES &amp; low carbon fuels for hard-to-abate sectors (incl. hydrogen)</b>	<ul style="list-style-type: none"> <li>• Promoting <b>RES fuels from biomass</b></li> <li>• Promoting <b>RES hydrogen</b></li> <li>• Enabling <b>CCUS incl. for synthetic fuels</b></li> </ul>	RED, Aviation/Maritime initiatives, EU funding + Hydrogen Strategy Follow-up
<b>Energy markets fit for decarbonisation &amp; distributed resources</b>	<ul style="list-style-type: none"> <li>• Creating a <b>level playing field</b> across carriers</li> <li>• Review <b>gas regulatory</b> framework</li> <li>• Improve <b>customer information</b></li> </ul>	ETD, ETS, State Aid, gas legislation, Guidance on non-energy price components
<b>A more integrated energy infrastructure</b>	<ul style="list-style-type: none"> <li>• More <b>integrated planning</b> at gas, electricity, heat and hydrogen</li> <li>• Better <b>governance</b></li> </ul>	TEN-E, TEN-T, RED, EED, TYNDP
<b>A digitalised energy system &amp; supportive innovation framework</b>	<ul style="list-style-type: none"> <li>• Ensure <b>digitalisation</b> support energy system integration</li> <li>• <b>Research and innovation</b> as a key enabler</li> </ul>	Energy Digitalisation Action Plan, Network Code on cybersecurity, Impact oriented research outlook

(\*) Non-exhaustive list