



WHAT		HOW	WITH WHOM	
<b>Carbon Capture, CCU, CCS</b> 	NEED 1	Understanding industry needs: what will enforce, enable, or inhibit CCUS	<ul style="list-style-type: none"> <li>Bringing industry and public authorities together. Webinars for shared understanding</li> </ul>	<ul style="list-style-type: none"> <li>Working group, with stakeholders also local authorities, financing</li> <li>Ministries, regulatory agencies. National funding bodies. Policy makers.</li> </ul>
	NEED 2	Regulatory framework, with standards, legislation, taxation and incentives, including both larger and smaller emitters, addressing both CCU and CCS	<ul style="list-style-type: none"> <li>Proposing regulations: for carbon binding and recycling; accounting for negative emissions; source of carbon; CCU fuels, chemicals and materials. Quality and safety specifications.</li> <li>Analysing options for incentivising CCUS plants and end product markets, especially for hard-to-abate industry</li> </ul>	<ul style="list-style-type: none"> <li>Working group, with stakeholders also local authorities, financing</li> <li>Strong connection btw research institutes and industry is key to bring CCUS forward</li> </ul>
<b>CO<sub>2</sub> logistics</b> 	NEED 3	CO <sub>2</sub> infrastructure	<ul style="list-style-type: none"> <li>Investing in infrastructure</li> <li>Multilateral agreements between member states</li> </ul>	<ul style="list-style-type: none"> <li>Transport providers, including infrastructure industry (Fluxys, TES)</li> </ul>
	NEED 4	Standards, specifications for CO <sub>2</sub> transport	<ul style="list-style-type: none"> <li>Agreeing on temperature and pressure requirements to facilitate multi-modal infrastructure. CO<sub>2</sub> quality specifications</li> </ul>	
	NEED 5	CO <sub>2</sub> Import/export	<ul style="list-style-type: none"> <li>Regulation for cross border exchange and CBAM</li> </ul>	<ul style="list-style-type: none"> <li>Regulatory Agencies</li> </ul>

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<b>CO<sub>2</sub> storage</b>  <b>Business models, value chains, industry symbiosis</b>  	NEED 6	Availability of storage solutions for full CCS chain demonstration, taking into account storage competition between technologies: CCS, Geothermal energy, H <sub>2</sub>	<ul style="list-style-type: none"> <li>Support the establishment of CO<sub>2</sub> storage facilities. Clarify regulation for utilization of underground storage for competing technologies.</li> <li>At national level, decide on specific nodes where CO<sub>2</sub> aggregation would facilitate scaling of CCS</li> </ul>	<ul style="list-style-type: none"> <li>Ministries responsible for energy and environmental policies, to secure support for CCUS infrastructure</li> </ul>
	NEED 7	Carbon Capture (CC) targets	<ul style="list-style-type: none"> <li>CC targets with quota, bans or support (subsidies, taxes, certificates)</li> <li>Support pilots in all sectors – also energy-intensive industry</li> </ul>	<ul style="list-style-type: none"> <li>Ministries responsible for energy and environmental policies, alignment with goals</li> </ul>
	NEED 8	Long-term transparent framework for incentives reducing investment risks	<ul style="list-style-type: none"> <li>Incentivising CCUS plants and end product markets</li> <li>Matchmaking for project developers and funders</li> <li>Regulated markets. Market model to guide participants (demand on green plastic, bio-fuels). Price on CCS for industry to sell carbon credits. Voluntary carbon market (especially with BECCS). Biogenic CCU - premium product on existing market.</li> </ul>	<ul style="list-style-type: none"> <li>Energy Regulatory Authorities</li> </ul>
	NEED 9	Value chains	<ul style="list-style-type: none"> <li>Boost development of CCUS value chains</li> </ul>	<ul style="list-style-type: none"> <li>Industrial clusters, business associations, EU technology platforms. Mission innovation. Processes4Planet and other partnerships</li> </ul>



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<b>Standards</b>  	NEED 10	Technological standards (e.g. concrete)	<ul style="list-style-type: none"> <li>Formulate recommendations for European standards for CEN approval to be adopted regarding technical aspects of CCS and CCU, as well fuels derived from CO<sub>2</sub></li> </ul>	<ul style="list-style-type: none"> <li>Standardisation bodies</li> </ul>
	NEED 11	Science based evidence, data to support	<ul style="list-style-type: none"> <li>R&amp;D projects to provide data and basis for recommendations</li> </ul>	<ul style="list-style-type: none"> <li>Research institutes</li> </ul>
<b>Knowledge sharing</b>	NEED 12	Networking between stakeholders  	<ul style="list-style-type: none"> <li>Create certificates or stamps for brands to boost premium green products. Example: "Fossil indicator" to compare the environmental impact of a product.</li> <li>Best practices, dissemination, competence building. Working groups, platforms, communication materials</li> </ul>	<ul style="list-style-type: none"> <li>EC/national governments, supporting concrete and functional working groups</li> </ul>
<b>Social acceptance</b>	NEED 13	Interaction with the public. Dialogue with society and citizens. Education.	<ul style="list-style-type: none"> <li>Best practices, communication, competence building, dialogue and listening</li> <li>Working groups, platforms, communication materials</li> <li>Example: 'Decarbonised modern living' to support stakeholder management/permitting</li> </ul>	<ul style="list-style-type: none"> <li>Society, citizens, local communities</li> <li>EC/national governments, supporting concrete and functional working groups</li> </ul>
<b>Environmental impact</b>  	NEED 14	Defining environmentally friendly CCU	<ul style="list-style-type: none"> <li>Share EIAs</li> <li>LCA</li> </ul>	<ul style="list-style-type: none"> <li>Environmental groups</li> <li>Policy makers</li> </ul>