
























THE ROLE OF CEFIC IN PROMOTING A SUSTAINABLE DEVELOPMENT AGENDA. ENCOURAGE, PROMOTE AND FACILITATE: BEST PRACTICE SHARING; COLLABORATION ACROSS INDUSTRIES, VALUE CHAINS AND STAKEHOLDERS;

Actions & Related Activities and Ambitions	Cefic Lead	Key Partners	Level of impact from the sector (low,medium,high)	Timeframe of effect (short-term,medium-term,long-term)	Associated SDGs	Associated SDG targets
<p><b>WBCSD Sectorial SDG Roadmap</b></p> <p>A first of its kind initiative led by a selection of leading chemical companies and industry associations including Cefic and convened by the World Business Council for Sustainable Development (WBCSD), to explore, articulate and help realise the potential of the chemical sector to leverage its influence and innovation to contribute to the SDG agenda.</p> <p><a href="https://www.wbcsd.org/Programs/People/Sustainable-Development-Goals/Resources/Chemical-Sector-SDG-Roadmap">https://www.wbcsd.org/Programs/People/Sustainable-Development-Goals/Resources/Chemical-Sector-SDG-Roadmap</a></p>	SD Director	WBCSD,ACC, ERM & Chemical companies	H	M-L		17.16 & 17.17
<p>Cefic is committed towards improving global human health and minimizing environmental impact by proposing to <b>DG TRADE to integrate Global Product Stewardship in EU bilateral trade agreements</b>, as part of the EU FTA Sustainability Chapters. In this context, Cefic is cooperating with ICCA to address country specific developments.</p>	PC Industrial policy	DG Trade, ICCA national associations	M	L		12.4 & 12.5
<p>Cefic's commitment in <b>capacity building activities</b> is highlighted through its continuous participation and organisation of workshops on ICCA guidance on Process &amp; Plant Safety KPIs/Responsible Care best practices / Transport and logistics best sustainability practices &amp; international transport regulation / circular economy / bioeconomy / ...</p> <p><a href="https://www.icca-chem.org/sustainable-development/">https://www.icca-chem.org/sustainable-development/</a>  <a href="http://www.cefic.org/Responsible-Care/">http://www.cefic.org/Responsible-Care/</a>  <a href="http://www.cefic.org/Industry-support/Transport-logistics/Sustainable-Logistics/">http://www.cefic.org/Industry-support/Transport-logistics/Sustainable-Logistics/</a></p>	PC HSE	Capacity building workshops (in Slovakia, Estonia, Croatia, Bulgaria, Romania, Czech Republic, Morocco)/ National Chemical Federations/ ICCA & ECTA, SmartFreightCenter, Prof A McKinnon, DG MOVE, UN, IMO, FECC, EIGA, Fertilizers Europe, etc....	M	S-L	     	N/A 9.1 17.9 7.2 12.2, 12.5 & 12.6 13.2

## ROADMAP TO PROGRESS IN SUSTAINABLE DEVELOPMENT: FOCUS AREA OF ENABLING THE TRANSITION TO A LOW-CARBON ECONOMY

Action/Initiative	Cefic Lead	Key Partners	Level of impact from the sector (low,medium,high)	Timeframe of effect (short-term,medium-term,long-term)	Associated SDGs	Associated SDG targets
Cefic and <b>DECHEMA</b> identified framework conditions (costs, low-carbon electricity needs, alternative feedstock ...) and reserach needs in a <b>study</b> assessing pathways towards a low-carbon emitting energy and feedstock for the European chemical industry. <a href="https://dechema.de/dechema_media/Downloads/Positionspapiere/Technology_study_Low_carbon_energy_and_feedstock_for_the_European_chemical_industry.pdf">https://dechema.de/dechema_media/Downloads/Positionspapiere/Technology_study_Low_carbon_energy_and_feedstock_for_the_European_chemical_industry.pdf</a>	PC INNOV	DECHEMA	H	L		N/A
Cefic participates in the <b>RE-Source Platform</b> together with SolarPowerEurope and WindEurope promoting corporate sourcing of renewable electricity and supporting a better policy framework for corporate renewable energy sourcing	PC CC&E	SolarPower Europe, WindEurope, RE100 and WBCSD	M-H	L	 	7.2 & 7.A N/A
Cefic facilitated and hosted <b>two Lignin workshops</b> to promote sustainable & credible supply chains, by connecting industry and academics with the common interest of promoting activities on lignin valorization (a raw material with the potential to contribute to increasing resource efficiency). <a href="https://ligninclub.fi/lignin-ecosystem-joint-workshop-ceficpoyry/">https://ligninclub.fi/lignin-ecosystem-joint-workshop-ceficpoyry/</a>	SusChem	Lignin Club, Pöyry & Industry and Academia reps	L	L	 	12.6 N/A
Cefic participates to the <b>Renovate Europe campaign</b> to promote ambitious renovation programmes and legislation aiming at reducing, by 2050 the energy demand by 80 % of the EU building stock (compared to 2005 levels). Energy performance of the entire building stock in the EU will evolve to a nearly zero-energy buildings (NZEBS) performance level. <a href="https://renovate-europe.eu/">https://renovate-europe.eu/</a>	PC CC&E	EuroACE, Eurima, PlasticsEurope	M-H	L	   	N/A N/A N/A
Promoting the use of renewable raw materials by actively contributing to the creation of the <b>Bioeconomy Stakeholders Manifesto</b> . The manifesto provides inspiration to regions and Member States, at various stages of development of their bioeconomy strategies, as well as for the EU as a whole. For the European Chemical Industry, bioeconomy offers an opportunity to diversify its feedstock and achieve greater resource efficiency as well as reduce the sector's GHG emissions. <a href="https://ec.europa.eu/research/bioeconomy/pdf/european_bioeconomy_stakeholders_manifesto.pdf">https://ec.europa.eu/research/bioeconomy/pdf/european_bioeconomy_stakeholders_manifesto.pdf</a>	BETF (under PC SUS)	EC (DG RTD) reps from NGOs, Academia, Trade Associations, Regions	M	L	  	12.6 N/A 17.17












ROADMAP TO PROGRESS IN SUSTAINABLE DEVELOPMENT: FOCUS AREA OF DRIVING RESOURCE EFFICIENCY ACROSS GLOBAL VALUE CHAINS AND IN OUR OPERATIONS





Action/Initiative	Cefic Lead	Key Partners	Level of impact from the sector (low,medium,high)	Timeframe of effect (short-term,medium-term,long-term)	Associated SDGs	Associated SDG targets
<p><b>Improving the knowledge base on the pathways and technologies for resource-efficient processing of raw materials and closing material loops and recycling.</b> This was done together with other stakeholders as part of the Cefic contribution to the creation of the the European Research and Innovation Roadmap for 2050 for non-food and non-energy raw material sectors.</p>	PC Innov	ETP SMR, FNR,VTT,VITO, Technalia, etc (VERAM)	M	L		N/A
<p><b>Improving the knowledge base on key innovations on energy, material and fuel efficiency to facilitate better decision making.</b> Together with other partners of the EU-funded RECREATE project Cefic produced the “Green Horizon Scoreboard” assessing 34 countries on 11 key technological innovations, including energy, material and fuel efficiency.</p>		RISE, ecologic,VTT, ArcelorMittal,TNO, etc (RECREATE)				N/A
						N/A

ROADMAP TO PROGRESS IN SUSTAINABLE DEVELOPMENT: FOCUS AREA OF PROMOTING ADOPTION OF CIRCULAR ECONOMY PRINCIPLES TO PREVENT WASTE AND TO ACHIEVE A LOW-CARBON ECONOMY AND ENHANCE RESOURCE EFFICIENCY

Action/Initiative	Cefic Lead	Key Partners	Level of impact from the sector (low,medium,high)	Timeframe of effect (short-term,medium-term,long-term)	Associated SDGs	Associated SDG targets
<p>Promoting CO2 valorisation as a viable technology for a more sustainable production of chemicals, materials, fuels and biomass through the active participation in the <b>PHOENIX project</b>. The project is an umbrella initiative linking national and European RD&amp;I activities on CO2 valorisation to ensure an optimal use of public funding and private investment.</p> <p><a href="http://www.phoenix-co2-valorisation.eu/">http://www.phoenix-co2-valorisation.eu/</a></p>	PC Innov	France, Germany, Netherlands	H	L	 	<p>N/A</p> <p>N/A</p>

ROADMAP TO PROGRESS IN SUSTAINABLE DEVELOPMENT: FOCUS AREA OF PREVENTING HARM TO HUMANS AND THE ENVIRONMENT THROUGHOUT THE ENTIRE LIFE CYCLE

Action/Initiative	Cefic Lead	Key Partners	Level of impact from the sector (low,medium,high)	Timeframe of effect (short-term,medium-term,long-term)	Associated SDGs	Associated SDG targets
<p><b>Contributing to the reduction of deaths and illnesses from hazardous chemicals</b> by signing a Memorandum of Understanding with ECHA to work on effective implementation of REACH.  <a href="http://www.cefic.org/newsroom/News/ECHA-and-Cefic-sign-joint-statement-to-work-on-effective-implementation-of-REACH/">http://www.cefic.org/newsroom/News/ECHA-and-Cefic-sign-joint-statement-to-work-on-effective-implementation-of-REACH/</a></p>	LT	ECHA	H	M-L	 	3.9 12.4
<p>EUR 100,000 <b>LRI award</b> 2017 to support promising new research in the field of dose-response of synergy in combined exposure to humans or environmental species.  <a href="http://cefic-lri.org/awards/2017-award-winner/">http://cefic-lri.org/awards/2017-award-winner/</a></p>	LRI (Long Range Initiative) Team	SETAC,EUROTOX&ISES	L	M-L	 	N/A 4B
<p>Cefic through its <b>Long-Range Research Initiative programme and the LRI Award system</b> is funding and promoting research on chemicals testing and exposure to chemicals to improve product safety and reduce the number of deaths and illnesses from hazardous chemicals.  <a href="http://cefic-lri.org">http://cefic-lri.org</a></p>	LRI (Long Range Initiative) Team	Universities and Research Centres, the JRC and Industry reps	M	L	   	N/A N/A N/A N/A
<p>Cefic is participating in the <b>Darmstadt project</b> to address the concerns of downstream users (textiles, electronics, digital, cosmetics, automotive, etc..) regarding substances of concern. The project aims to define adequate sharing modalities for information on chemicals along the value chain. A long-term objective of the project is to circulate information through ISO norms.</p>	VCO/CiP NoE	ACEA, DigitalEurope, Darmstadt University, etc..	M	L	 	12.4 & 12.5 17.17
<p>With a long-term view of contributing into improving global human health and minimizing environmental externalities, Cefic submitted a <b>proposal to DG TRADE to integrate Global Product Stewardship in EU bilateral trade agreements</b>, as part of the EU FTA Sustainability Chapters. Cooperation with ICCA to address country specific developments</p>	PC Industrial policy	DG Trade, ICCA national associations	M	L		12.4 & 12.5

Action/Initiative	Cefic Lead	Key Partners	Level of impact from the sector (low,medium,high)	Timeframe of effect (short-term,medium-term,long-term)	Associated SDGs	Associated SDG targets
<p>To improve the safe use of chemicals, Cefic contributed into the development of the <b>CHESAR tool developed by the European Chemical Agency (ECHA) to help companies to carry out their chemical safety assessments (CSAs) and to prepare their chemical safety reports (CSRs) and exposure scenarios (ESs) for communication in the value chain</b></p> <p><a href="https://chesar.echa.europa.eu/">https://chesar.echa.europa.eu/</a></p>	PC Product Stewardship	DUCC, ECHA	H	H	 12 RESPONSIBLE CONSUMPTION AND PRODUCTION	12.4
<p>To reduce the number of deaths and illnesses from hazardous chemicals, the European Solvents Industry Group (ESIG) organises regular workshop and provides materials (e.g. videos) on the safe use of solvents</p>	ESIG	Solvents Industry Association, members, users, ...	M	S	 17 PARTNERSHIPS FOR THE GOALS	17.17
<p>Euro Chlor is hosting biannual Workshops on Mercury exposure, aiming to improving worker's health conditions and minimizing environmental.</p> <p><a href="http://www.eurochlor.org/the-chlorine-universe/the-chlor-alkali-industry-in-europe/a-sustainable-industry.aspx">http://www.eurochlor.org/the-chlorine-universe/the-chlor-alkali-industry-in-europe/a-sustainable-industry.aspx</a></p>	Euro Chlor	Eurochlor Members	M	S-M	 3 GOOD HEALTH AND WELL-BEING	3.9
					 12 RESPONSIBLE CONSUMPTION AND PRODUCTION	12.1