

Annex - Action Plan for the implementation of the Chemicals Strategy

Working group (or other implementing routes) / Legal proposal	Actions	EU legislation	Timing / services (lead in bold)	Follow up actions, expected deliverable and state of play
WG 1 - Roundtable	Set up a high level roundtable with the purpose of promoting efficiency and effectiveness of chemicals legislation, boosting development and uptake of innovative safe and sustainable chemicals, and monitoring the impact of the Strategy's actions.		2021 ENV , GROW , SANTE , JUST , EMPL , RTD , JRC	Draft concept paper by ENV by end November to propose process
Innovating for safe and sustainable EU chemicals				
WG 2 – Safe and sustainable chemicals	Develop EU safe and sustainable-by-design criteria for chemicals		2022 RTD , ENV , GROW , JRC , ECHA , EEA	Draft concept paper by beginning December to propose process for criteria, support network and KPIs First WP of Horizon Europe
	Establish an EU-wide safe and sustainable-by-design support network		2023 RTD , ENV , GROW	Discuss links and possible synergies with Horizon 2020 advanced materials High Level Expert Group and with Interservice group
	Financial support for the development, commercialisation, deployment and uptake of safe and sustainable-by-design substances, materials and products		As of 2021 RTD , ENV (Life) , ECFIN , GROW (each service leading for	Nanotechnologies Links to WG 10

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	Establish Key Performance Indicators to measure the industrial transition towards the production of safe and sustainable chemicals		specific financial instruments) 2021 GROW , ENV, RTD	
WG 3 – Skills mismatches	Mapping safe and sustainable-by-design skills mismatches and competence gaps, and make recommendations		2021 EIT (under EAC’s responsibility), ENV, GROW, EMPL, RTD (lead to be confirmed)	ENV will launch a study in 2021 to map skills mismatches and gaps – Draft ToR by Mid 2021
Ongoing work (CEAP)	Introduce legal requirements on the presence of substances of concern in products, including PFAS, through the initiative on sustainable products	(Upcoming) Sustainable products initiative	2021-2022 ENV, GROW, ENER	Ongoing work within the preparation of the proposal on Sustainable products (Circular Economy Action Plan)
	Initiatives and funding to promote the development of green and smart technologies, advanced materials, and innovative business models for the low-carbon and low environmental impact		As of 2021 RTD, REGIO, ENV (Life), ECFIN (each service leading for	Regular meetings/exchanges to coordinate all funding actions (also in coordination with WG 2)

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	industrial production and use of chemicals		specific financial instruments)	
	Access to risk finance, in particular for SMEs and start-ups		As of 2021 RTD, REGIO	
	Promote interregional collaboration along sustainable chemicals value chains, through smart specialisation, to accelerate the development of joint investment projects		As of 2021 REGIO	
Follow up IED evaluation	Make amendments to the EU legislation on industrial emissions to promote the use of safer chemicals by EU industry	Industrial emissions Directive	2021 ENV, GROW	ENV.C4 in charge
WG 4 – Strategic value chains	Identify key value chains and dependencies where chemicals are important building blocks and engage with stakeholders to increase the EU’s strategic foresight on chemicals		As of 2021 GROW ENV SANTE, TRADE?	To be discussed with GROW
Linked to WG 3 and Skills Agenda	Support up- and reskilling of the workforce for the digital and green transition		As of 2020 EMPL, GROW	Linked to WG 3 and Skills Agenda
Stronger EU legal framework to address pressing environmental and health concerns				

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REACH implementation (while awaiting amendment of REACH)	Roadmap to prioritise carcinogenic, mutagenic and reprotoxic substances (CMRs), endocrine disruptors, persistent, bioaccumulative and toxic (PBT and very persistent and very bioaccumulative (vPvB) substances, immunotoxicants, neurotoxicants, substances toxic to specific organs and respiratory sensitisers for (group) restrictions under REACH	REACH (Comitology)	2021 ENV , GROW	Discuss involvement of ECHA & MSs and next steps (eg.discussion in RIME and CARACAL March 2021)
REACH revision (and Impact Assessment)	Proposals to extend the generic approach to risk management to ensure that consumer products do not contain chemicals that cause cancers, gene mutations, affect the reproductive or the endocrine system, or are persistent and bioaccumulative and toxic; assess the modalities and timing to extend the same approach to further chemicals including those affecting the immune, neurological or respiratory	REACH Article 68(2) Food Contact Materials Regulation Cosmetic Products Regulation Toy Safety Directive Legislative route for other consumer products (e.g. detergents) to be	2022 ENV , GROW 2022 SANTE 2022 GROW 2022 GROW	Part of REACH revision and Impact Assessment

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	systems and chemicals toxic to a specific organ	identified by the impact assessment		
REACH revision (and Impact Assessment)	Proposal to amend REACH Article 68(2) to include professional users	REACH	2022 ENV , GROW	Part of REACH revision and Impact Assessment
REACH and GPSD implementation	Introduce mandatory legal requirements under the General Product Safety Directive and restrictions in REACH to enhance the safety of children from hazardous chemicals in childcare articles and other products for children (other than toys)	REACH (Comitology) General Product Safety Directive	2022 GROW , ENV 2021 JUST	Available study by COM (link) on chemicals with CMR properties in childcare articles to build on New Safety Requirements for standards on childcare products in preparation. Preliminary draft in discussion with the relevant experts' group.
OSH implementation	In the process of the upcoming Strategic Framework for Health and Safety at work, identify most harmful substances for which the Commission will propose to set occupational limits following the established consultation process in the area of health and safety at work	Strategic Framework for Health and Safety at work	2021 EMPL	EMPL commissioned a study to support in setting up this new Strategic Framework for Health and Safety at Work. Furthermore, a Public Consultation has been launched on 7 December to gather views both on the previous and the future Strategic Frameworks. The adoption is planned for Q2 2021.
OSH implementation	In consultation with social partners, strengthen protection of workers, notably by proposing	Chemical Agents Directive, Asbestos at Work Directive	2022 EMPL	DG EMPL: CAD, RAC delivered its scientific opinions on lead and di-isocyanates in June 2020. The WPC/ACSH started

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	lowering existing occupational limit values for asbestos (Asbestos Directive) and lead (Chemical Agents Directive) as well as establishing a binding limit value for di-isocyanates (Chemical Agents Directive)			<p>discussions to issue opinions on these two hazardous chemicals. In parallel, EMPL commissioned a study to support its upcoming IA. The 1st phase consultation of the Social Partners is scheduled is being launched.</p> <p>On Asbestos Directive, RAC should deliver its scientific opinion in June 2021. The WPC/ACSH started discussions to issue an opinion on asbestos. EMPL commissioned a study to support its upcoming IA. The 1st phase consultation of the Social Partners is scheduled is being launched.</p>
	Define criteria for essential uses, taking into account the definition of the Montreal Protocol	REACH and other relevant legislation (scope tbd)	2021-22 ENV, GROW	<p>Document on how to apply essential uses in REACH in preparation for discussion in November CARACAL meeting</p> <p>Setting up of an IS Group?</p>
CLP revision	Proposal to amend the CLP Regulation to introduce new hazard classes on endocrine disruptors, PBTs/vPvBs and persistent and mobile substances,	<p>CLP Regulation</p> <p>Other legislation to be amended as relevant</p>	2021 ENV, GROW	<p>Part of CLP revision</p> <p>Revisions of relevant legislation</p>

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	and apply them across all legislation			
WG 5 – Endocrine disruptors (based on already existing IS steering group for EDs)	Update information requirements to allow the identification of endocrine disruptors in relevant legislation, particularly under REACH, legislation on cosmetic products, food contact materials, plant protection products and biocidal products	REACH (Comitology) Biocidal Products Regulation (Annexes) Plant Protection Products Regulation (Commission Communications) Food Contact Materials Regulation Cosmetic Products Regulation	2022 ENV, GROW 2021 SANTE 2021 SANTE 2022 SANTE 2022 GROW	REACH implementation: ongoing Impact assessment Cosmetic Products Regulation
WG 6 – Mixtures Part of REACH revision and Impact Assessment	Assess how best and introduce (a) mixture assessment factor(s) in Annex I of REACH Introduce or reinforce provisions to take account of the combination effects of chemicals in water, food contact materials,	REACH (Comitology) Environmental Quality Standards Directive/Ground Water Directive (Annexes)	2022 ENV, GROW, ECHA 2022 ENV, JRC	REACH (Comitology) –study to be launched this year Organise a working group on mixtures

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	food additives, toys, detergents, cosmetics	Food contact materials Regulation Food additives Commission Regulation (Comitology) Detergents Regulation Toy Safety Directive Cosmetic Products Regulation	2022 SANTE 2022 SANTE 2022 GROW 2022 GROW 2022 GROW	Part of Impact Assessment of Cosmetic Products Regulation
REACH revision (and Impact Assessment)	Proposal to amend REACH Article 57 to add endocrine disruptors, persistent, mobile and toxic (PMT) and very persistent and very mobile (vPvM) substances to the list of substances of very high concern	REACH	2022 ENV, GROW	Part of REACH revision and Impact Assessment
Ongoing	Proposal to restrict PFAS under REACH for all non-essential uses including in consumer products	REACH (Comitology)	2022-24 ENV, GROW	
Follow-up to water Fitness Check	Review of the annexes of the Environmental Quality Standards	Environmental Quality Standards	2022 ENV (C1)	

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	Directive and of the Groundwater Directive to add PFAS where possible as a group	Directive/Groundwater Directive (Annexes)		
	Address the presence of PFAS in food by introducing limits in the legislation on food contaminants	Food Contaminants Commission Regulation (Comitology)	2022 SANTE	
Follow-up evaluation Industrial Emissions Directive	Proposal to revise the legislation on industrial emissions and the European Pollutant Release and Transfer Register to address emissions and reporting of PFAS from industrial plants	Industrial emissions Directive	2021 ENV (C4)	
	Proposal to address the emissions of PFAS from the waste stage including through the revision of the legislation on sewage sludge	Sewage Sludge Directive	2023 ENV (B3)	Proposal for the revision of the Sewage Sludge Directive
	Proposals under the Stockholm Convention and the Basel Convention to address PFAS concerns at a global scale		2023-2024 ENV	
Ongoing (Horizon 2020)	EU-wide approach and financial support for innovative solutions to remediate contamination with PFAS		As of 2020 ENV, RTD	H2020 Green Deal call published.

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<p>WG 7 – One substance, one assessment</p> <p>Impact assessment for One substance one assessment</p>	<p>Establishment of a ‘One substance, one assessment’ process to coordinate the hazard/risk assessment on chemicals across chemical legislation, through the use of a single Public Authorities Coordination Tool, an expert group and a Commission coordination mechanism</p>	<p>Several (exact scope tbd)</p>	<p>As of 2021 ENV, GROW, SANTE, EMPL, JUST, JRC, RTD, ECHA, EFSA, EMA, EEA</p>	<p>Draft concept paper on improving coordination for discussion by all services by January 2021</p> <ul style="list-style-type: none"> - ECHA to adjust PACT - Identify legislation that will be within the scope - Ensure that intentions on chemicals under relevant pieces of legislation feed into PACT; - Review the internal coordination practices and propose improvements; <p>Establish an expert group of MSs, Commission Services and Agencies by September 2021</p>
	<p>Horizontal proposal for reallocation of EU technical and scientific work on chemicals to the EU agencies, including work of the SCCS and SCHEER</p>	<p>Several (exact scope tbd notably waste and water legislation, ROHS, cosmetics)</p>	<p>2022 ENV, SANTE, GROW</p>	<p>Draft Roadmap by January 2021</p> <p>Prepare an exploratory memorandum, mainly focusing on assessment of resources needed, by December 2021</p> <p>Follow up of on-going revisions of relevant legislation and ensuring coherence of task</p>

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				allocation with horizontal view – start immediately Financial fiche needed
	Establishment of a EU repository of human and environmental health-based limit values		2022 ENV, GROW, SANTE, EMPL, ECHA , EFSA, EMA (lead tbd)	Concept paper to be developed by December 2020 Discuss how to develop and operate the repository as part of the EUCLEF or of an open platform on chemicals
	Establishment of an open platform on chemical safety data and tools for accessing relevant academic data	Several (scope tbd)	2023 ENV , GROW, ECHA , EFSA, EMA, EEA, JRC, SANTE, RTD	Re-steer the ongoing contract by ENV into the development of an open platform on chemical safety Make data on chemicals held by the Commission Services and Agencies available through the platform Design and develop a tool for accessing relevant academic data – contractual, JRC and Agencies support needed Develop a guidance document for improving quality of academic studies – contractual/JRC/ Agencies support is needed

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	Data will be made available in appropriate formats and tools – i.e. IUCLID and IPCHEM - to ensure interoperability.	Several (scope tbd)	ENV , GROW, SANTE, RTD, JRC, ECHA , EFSA, EMA, EEA,	Links to bio-monitoring and PARC() Map out the relevant data sets (databases) that would merit making them in appropriate formats Initiate process that will progressively make the data available in appropriate formats.
	Horizontal proposal to remove legislative obstacles for re-use of data, to streamline the data flow across legislation and to extend the open data and transparency principles from the EU food safety sector to other pieces of chemical legislation	Several (scope tbd)	2023 ENV , SANTE, GROW, (ECHA , EFSA, EEA and EMA)	Develop mapping of data flows – contractual support needed Identify legislative obstacles for reuse of data – contractual support needed Test applicability of transparency principles to non-food sector – contractual support needed Support of Agencies in identifying legislative obstacles for re-use of data as well as for improving data flows will be necessary Part of impact assessment One substance one assessment, financial fiche needed. Links to ECHA Founding Regulation.
	Proposals to allow EU and national authorities to commission		2023 ENV , GROW,	Draft concept paper to be developed – need to map the situation as regards testing

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	testing and monitoring of substances as part of the regulatory framework		SANTE, ECHA , EFSA, EEA	possibilities and make proposals for a new one considering the tool mechanism under the food law – contractual support needed Part of impact assessment One substance one assessment, financial fiche needed. Potential links to ECHA Founding Regulation.
	Proposal for a founding regulation for the European Chemicals Agency		2023 GROW , ENV, SANTE	Launch contract in early 2021.
CLP revision	Proposal to amend CLP Regulation to give the Commission the mandate to initiate harmonised classification	CLP Regulation	2021 ENV , GROW	Part of CLP revision
	Review of the definition of nanomaterial		2021 ENV , GROW , RTD, JRC	ENV ongoing, launch questionnaire Links to Cosmetics Review and Report on nanomaterial
REACH revision (and Impact Assessment)	Proposal to revise the REACH authorisation and restriction processes	REACH	2022 ENV , GROW	Part of REACH revision and Impact Assessment
WG 8 - Indicators	Development of an indicator framework on chemicals		2024 EEA , ECHA , ENV, GROW , ESTAT, JRC, EFSA	Discussions within services and launch of specific contract in 2022

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WG 9 - Enforcement REACH revision (and Impact Assessment)	Proposal to amend REACH to introduce a European Audit Capacity	REACH	2022 ENV, GROW	Part of REACH revision and Impact Assessment
	Amend REACH to ensure compliance checks on all registrations of substances under REACH and to allow for the revocation of registration numbers	REACH	2022 ENV, GROW	Part of REACH revision and Impact Assessment REACH (comitology) – financial fiche? Revocation (co-decision)
	Proposal to extend OLAF’s scope of action to investigations on the circulation of illicit chemical products in the EU		2022 OLAF	To be further discussed with OLAF. Linked to REACH revision?
	Proposals for implementing acts under the Market Surveillance Regulation to set uniform conditions and frequency of checks for certain products	Market Surveillance Regulation	2022-23 GROW	
Providing a comprehensive and transparent knowledge base on chemicals				
REACH revision (and Impact Assessment)	Proposals to revise requirements for registration in REACH to ensure: the identification of substances with critical hazard properties, including effects on the nervous and immune systems, the move towards grouping approaches, the registration of a	REACH	2022 ENV, GROW	Part of REACH revision and Impact Assessment Registration of polymers and obligation of chemical safety reports for substances between 1-10 tonnes: REACH co-decision

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	sub-set of polymers, information on the overall environmental footprint of chemicals, the obligation of chemical safety reports for substances between 1-10 tonnes			
WG 10 – R&I agenda for chemicals	Develop a strategic research and innovation agenda for chemicals		2022 RTD , ENV, GROW, SANTE, JRC, ECHA , EFSA, EEA	To be further discussed how best to optimise different working groups (2 and 10). Set-up of an ISCG to accompany PARC/take a wider approach to R&I needs for chemicals.
Ongoing (PARC)	Fund EU-wide human and environmental (bio)monitoring		As of 2020 RTD , ENV, SANTE, JRC, EMPL, ECHA , EFSA, EEA	Reflection on legislative anchor for human biomonitoring and requirements for environmental biomonitoring PARC is set-up to continue supporting HBM activities and bring innovation to environmental monitoring schemes; therefore, the different services and Agencies contribution to PARC will be key.
WG 11 – Emerging risks (same group)	Establish an EU Chemical Early Warning and Action System		2023 ENV , RTD , GROW,	Ongoing contract to finish in 2021, ENV to propose a second contract in 2022

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currently involved in ongoing ENV contract)			SANTÉ, JUST, JRC, EMPL, ECHA , EFSA, EEA	Discuss link to PARC
Provide a model inspiring chemicals management globally				
WG 12 - Global	Initiatives with international organisations and industry to promote the use of the UN GHS internationally		As of 2020 ENV, ECHA	
	Support, in particular through funding, to build the capacity of third countries to assess and manage chemicals		2020-2022 DEVCO , NEAR , ENV, FPI, ECHA	
	Promote due diligence in the sustainable production and use of chemicals in the future initiative on sustainable corporate governance		2020-2024 JUST	To be further discussed with JUST
Tbd	Ensure that hazardous chemicals banned in the European Union are not produced for export including by amending relevant legislation if and as needed.		2023 ENV, GROW , SANTÉ	To be further discussed by relevant services
	Proposal at the UN GHS level to introduce, adapt or clarify		2022-24 ENV , GROW	

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	criteria/hazard classes in line with the CLP Regulation			