Draft 8EAP indicator set
in view of stakeholder consultations autumn 2021

Indicators marked with an asterisk* are suggested headline indicators. See list of acronyms at the end.

Objective	Target/Objective	Indicator name	Used for monitoring
Climate change mitigation	Climate mitigation 2030 target: At least -55% of net GHG emissions by 2030 [Climate Law]	GHG emissions* (index 1990=100)	Climate Law, SDGs, Energy Union, EIR
		GHG emissions per capita	TPI, Energy Union, Resilience
	Enhance carbon removals by natural sinks [Climate Law]	Soil organic carbon* or net LULUCF emissions	Climate Law, SDGs, Energy Union, EIR Resilience, BD
Climate change adaptation	Economic impact: Decrease	Climate related economic losses*	SDGs, Resilience
	Human impact: Decrease	Climate related human losses	Resilience
	Impact on ecosystems: Decrease	Drought impact on ecosystems	BD
	Resilience: Improve	Risk to droughts*	BD
Circular economy	Pressures on materials: Reduce	Material footprint*	CERev, Resilience (fooprint on metals; DMC)
	Waste prevention: Reduce significantly by 2030 [CEAP2020]	Total waste generation*	SDGs, ZP, CE (excl. major mineral waste), CErev
	Materials use: Decoupling [CEAP2020]	Resource productivity	SDGs, Resilience, TPI, EIR, CErev
Zero pollution	Reducing YLL by -55% by 2030 [ZPAP]	Premature deaths/Years of Life Lost due to PM2.5*[1]	Resilience, ZP, EIR
	Clean air/biodiversity impacts from air pollution: Reduction by 25% by 2030 [ZPAP]	Critical load exceedance for nitrogen	ZP
	Toxic-free environment: Protect citizens' health and the environment from hazardous chemicals	Production and use in the EU of the chemicals most hazardous to human health or the environment - PLACEHOLDER	Another indicator on consumption is used for SDG , Resilience
	Clean water: Reduce nutrient losses by at least 50% [BDS and F2F]	Nitrates in groundwater	SDGs, BD, EIR
	Marine pollution: Reduce by 50% plastic litter at sea and by 30% microplastics released into the environment [ZPAP]	Coastline macro litter - PLACEHOLDER	ZP
	Healthy soils: Ensure healthy soils	Healthy soil - PLACEHOLDER	

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[1] This indicator could also feature under 2050 Vision: Living well within planetary boundaries. See indicator fiche no. 43.

Objective	Target/Objective	Indicator name	Use for monitoring
Biodiversity	Preserve biodiversity: Curtail biodiversity loss [BDS]	Common birds*	SDGs, Resilience, EIR, BD
	Biodiversity protection: Protect 30% (terrestrial) and 30% (marine) by 2030 Strict protection for 10% (terrestrial & marine) [BDS]	Designation of protected areas (terrestrial and marine)	BD
	Protect pollinators: Reverse the decline [BDS]	Grass land butterflies	SDGs, Resilience, BD
	Protect marine biodiversity: Halt marine biodiversity loss [BDS, Marine Strategy Framework Directive]	Fish stock exceeding FMSY	SDGs, EIR
	No net land take [Roadmap RE]	Land take*	SDGs, EIR
Reducing environmental and climate change pressures	Sustainable energy: 32% share by 2030 [Renewable Energy Directive]	Share of Renewable energy	SDGs, Resilience Energy Union
	Sustainable energy/Digital economy: Reduction by at least 32.5% relative to a 'business as usual' scenario by 2030 [Clean Energy for all Europeans]	Energy consumption per capita*	SDGs (absolute), Energy Union (absolute)
	Sustainable industry: Doubling circular material use rate by 2030 [CEAP2020]	Circular material use*	SDGs, Resilience, EIR, CE
	Sustainable industry: Lower emissions [ZPAP]	Air emissions by industry	SDGs (intensity)
	Sustainable mobility: Substantial share [SSMS]	Share of buses and trains in total passenger transport*	SDGs, Resilience Energy Union
		Share of rail and inland waterways in total freight transport	SDGs
	Sustainable agriculture: 25% of EU agricultural land under organic farming by 2030 [BDS; F2F]	Organic farming* (share of UUA)	SDGs, Resilience, BD
	Sustainable agriculture/Zero pollution: 50% reduction of the overall use and risk of chemical pesticides, and use of more hazardous pesticides by 2030 [F2F, ZPAP, BDS]	Pesticides sales	BD, Agri-environmental indicators
	Sustainable Food System: Move to a more plant-based diet [F2F]	Share of vegetal supply in overall calorie supply	
	Sustainable buildings and infrastructure: Reduce soil sealing [new CEAP]	Soil sealing index/Imperviousness	SDGs, Resilience

Objective	Target/Objective	Indicator name	Use for monitoring
Enabling framework	Tax reforms to support the transition: Shifting tax burden from labour to pollution [EGD]	Share of green taxes*	SDGs, EIR
	Innovation for sustainability Increase	Eco-innovation index*	EIR, CERev, European innovation scoreboard
	Sustainable finance: Increase public and private financing towards green investments	Environmental protection expenditure	EIR, Resilience
	Sustainable Finance	Issuance of green bonds in private and public sector	Capital Market Union
	Phasing out environmental harmful subsidies: EU and national governments phasing out all direct and indirect fossil fuel subsidies by 31 December 2025 at the latest [Climate Law]	Energy related environmental harmful subsidies	Resilience, Energy Union
	Environmental governance	Environmental governance - PLACEHOLDER	(EIR)
	Sustainable digitalisation: Reduce environmental impact of digital and data technologies [Digital Strategy]	Sustainable digitalisation - PLACEHOLDER	(Digital economy)
Living well within planetary boundaries – Regenerative economy	Regenerative economy: Reduce EU consumption footprint [CEAP2020]	Consumption footprint*	
	Regenerative economy: Increase	Green economy* (Employment and Gross Added Value)	SDGs, Resilience (both GAV only)
	Resilience – Import dependency: Decrease to ensure security of energy supply	Energy import dependency	SDGs, Resilience, Energy Union
	Resilience – Import dependency: Decrease to ensure security of materials supply	Material import dependency	CERev
	Resilience – Water scarcity: Decrease	Water exploitation index +	SDGs, Resilience EIR
	Wellbeing	Access to green areas - PLACEHOLDER	
	Just transition	Just transition - PLACEHOLDER	
	Environmental inequalities	Environmental inequalities - PLACEHOLDER	

(46 indicators in total)

Notes for Acronyms:

BD: candidate for Biodiversity monitoring

CE: Circular Economy Monitoring Framework

CErev: proposed for revision of Circular Economy Monitoring Framework

CMU: Capital Market Union indicators

EIR: Environmental Policy Review

F2F: Farm to Fork Strategy

Resilience: Resilience dashboard (further developed from the 2020 prototype)

Roadmap RE: Roadmap to a Resource Efficient Europe (2011)

SDG : EU Sustainable Development Goals indicators

SMMS: Sustainable and Smart Mobility Strategy

TPI: Transition Performance Index

ZP: candidate for Zero pollution monitoring