

Alignment matrix

Catalysing and enabling transformation

Value creation and GHG emissions reduction pathways		1 Bioeconomy	2 Research		3 Raw materials		4 Energy and climate		5 Transport	6 Skills and education		7 Financing	
		Mainstream policies	Accelerate breakthrough technologies	Funding for industrial scale pilots	Sustainable mobilisation of wood	Enhanced recycling	Non-distorted raw material and energy markets	Energy market integration	ETS as a pro-investment tool	Cost-efficient decarbonisation	Reform curricula	Mutual recognition of qualifications	De-risking investments and access to finance
Added-Value	Core markets and applications + EUR 5 billion	Bioeconomy Strategy	Horizon 2020-2030		LULUCF, CAP rural development pillar	Waste legislation, Circular Economy Action Plan	Cascading use guidance, Renewable Energy Directive, Circular Economy Action Plan				Blueprint for sectoral cooperation on skills, Digitising EU Industry (DSM)	New skills agenda, ESCO, Europass, Erasmus +	Capital Markets Union, COSME, EIB
	New bio-based products + EUR 3.5 billion		Horizon 2020-2030, Public-Private Partnerships			Waste legislation, Circular Economy Action Plan		ETS Innovation Fund, National use of ETS revenues	Fuel Quality Directive, Biomass Sustainability Criteria	New skills agenda, ESCO, Europass, Erasmus +		Capital Markets Union Green bonds EFSI EIB COSME	
Direct emissions	Energy efficiency - 7 mt CO ₂		Horizon 2020-2030					Electricity Market Design	National use of ETS revenues				COSME EIB State Aid guidelines
	Fuel switch - 8 mt CO ₂		Horizon 2020-2030		LULUCF, CAP rural development								
	Demand-side flexibility - 2 mt CO ₂						Electricity Market Design	Electricity Market Design					Energy Union (market functioning)
	Emerging/breakthrough technologies - 5 mt CO ₂	Bioeconomy Strategy, Public-Private Partnerships, Horizon 2020-2030	Horizon 2020-2030, Public-Private Partnerships	State Aid Guidelines Energy & Environment, PPP, ETS Innovation Fund		European Innovation Partnership on Raw materials			Electricity market design	National use of ETS revenues	Alternative fuels, Renewable Energy Directive	Blueprint for sectoral cooperation on skills, Digitising EU Industry (DSM)	New skills agenda, Marie Curie actions, Erasmus +
Indirect emissions	Purchased electricity - 11 mt CO ₂						Electricity Market Design		ETS indirect cost compensation				ETS indirect cost compensation
	Transport - 4 mt CO ₂	Fuel Quality Directive	Horizon 2020-2030							Low carbon mobility strategy, Fuel Quality Directive, Efficiency standards			Connecting Europe Facility, Structural funds, EIB

Key enabler
 Catalyst