

Annex. Proposed list of OECD indicators: Overview by group and by theme

The proposed list of indicators presented below includes:

- ♦ **M: Main indicators** (numbered and in bold), and their components or supplements (numbered):
- ♦ **P: Proxy indicators** (bulleted) when the main indicators are currently not measurable

The proposed indicators are to be accompanied with contextual information or additional indicators to accompany the message conveyed.

Each indicator is accompanied with a first evaluation of its relevance for green growth (R), its analytical soundness (S), and the measurability of the underlying data (M). The classifications used for evaluating the indicators are as follows:

Criteria	Classification
Relevance (R)	1= high 2= medium 3= be further reviewed
Analytical soundness (S)	1= good 2= average 3= to be further reviewed
Measurability (M)	S = short term basic data currently available for a majority of OECD countries; M = medium term basic data partially available, but calling for further efforts to improve their quality (consistency, comparability, timeliness) and their geographical coverage (number of countries covered) L = long term basic data not available for a majority OECD of countries, calling for a sustained data collection and conceptual efforts.

Proposed list of indicators

The socio-economic context and characteristics of growth		
Economic growth, productivity and competitiveness	Economic growth and structure GDP growth and structure; Net disposable income	M
	Productivity and trade Labour productivity; multi-factor productivity Trade weighted unit labour costs Relative importance of trade: (exports + imports)/GDP	M
	Inflation and commodity prices	
	Labour markets, education and income	
	Labour markets Labour force participation & unemployment rates	M
	Socio-demographic patterns Population growth, structure & density Life expectancy: years of healthy life at birth Income inequality: GINI coefficient Educational attainment: Level of and access to education	M

Group/theme	Proposed indicators	Type	R	S	M
Environmental and resource productivity					
Carbon & energy productivity	1. CO₂ productivity				
	1.1. Production-based CO ₂ productivity GDP per unit of energy-related CO ₂ emitted	M	1	1	S
	1.2. Demand-based CO ₂ productivity Real income per unit of energy-related CO ₂ emitted	M	1	2	S/M
	2. Energy productivity				
	2.1. Energy productivity (GDP per unit of TPES)	M	2	1	S
	2.2. Energy intensity by sector (manufacturing, transport, households, services)	M	2	1	S/M
2.3. Share of renewable energy in TPES, in electricity production	M	1	1	S	
Resource productivity	3. Material productivity (non-energy)				
	3.1. Demand based material productivity (comprehensive measure; original units in physical terms) related to real disposable income	M	1	3	M/L
	• Domestic material productivity (GDP/DMC)	P	1	2	S/M
	- Biotic materials (food, other biomass)				
	- Abiotic materials (metallic minerals, industrial minerals)				
	3.2. Waste generation intensities and recovery ratios By sector, per unit of GDP or VA, per capita	M	1	1	M/L
	3.3. Nutrient flows and balances (N,P)	M	1	3	L
• Nutrient balances in agriculture (N, P) per agricultural land area and change in agricultural output	P	2	1	S/M	
4. Water productivity					
VA per unit of water consumed, by sector (for agriculture: irrigation water per hectare irrigated)	M	1	1	M	
Multi-factor productivity	5. Multi-factor productivity reflecting environmental services (comprehensive measure; original units in monetary terms)	M	1	2	M/L
Natural asset base					
Renewable stocks	6. Freshwater resources Available renewable resources (groundwater, surface water, national, territorial) and related abstraction rates	M	1	1	S/M
	7. Forest resources Area and volume of forests; stock changes over time	M	1	1	S/M
	8. Fish resources Proportion of fish stocks within safe biological limits (global)	M	1	1	S
Non-renewable stocks	9. Mineral resources Available (global) stocks or reserves of selected minerals (tbd): metallic minerals, industrial minerals, fossil fuels, critical raw materials; and related extraction rates	M	1	2	M/L
Biodiversity and ecosystems	10. Land resources Land cover types, conversions and cover changes State and changes from natural state to artificial or man-made state	M	1	1	M/L
	• Land use: state and changes	P	1	2	S/M
	11. Soil resources Degree of top soil losses on agricultural land, other land	M	1	2	M/L
	• Agricultural land area affected by water erosion by class of erosion	P	1	2	S/M
	12. Wildlife resources (tbd)				
	• Trends in farmland or forest bird populations or in breeding bird populations	P	1	2	S/M
• Species threat status: mammals, birds, fish, vascular plants in % species assessed or known	P	2	2	S	
• Trends in species abundance	P	1	2	S/M	

Group/theme	Proposed indicators	Type	R	S	M
Environmental quality of life					
Environmental health and risks	13. Environmentally induced health problems & related costs (e.g. years of healthy life lost from degraded environmental conditions)	M	1	3	L
	• Population exposure to air pollution	P	2	2	S/M
	14. Exposure to natural or industrial risks and related economic losses	M	1	2	L
Environmental services and amenities	15. Access to sewage treatment and drinking water	M			
	15.1. Population connected to sewage treatment (at least secondary, in relation to optimal connection rate)		2	2	S/M
	15.2. Population with sustainable access to safe drinking water	–	1	2	S/M
Economic opportunities and policy responses					
Technology and innovation	16. R&D expenditure of importance to GG	M	1	1	S/M
	- Renewable energy (in % of energy related R&D)		1	1	S
	- Environmental technologies (in % of total R&D, by type)		1	1	S
	- All purpose business R&D (in % of total R&D)		1	1	S
	17. Patents of importance to GG	M	1	1	S/M
	in % of country applications under the Patent Cooperation Treaty				
- Environmentally related and all-purpose patents		1	1	S/M	
- Structure of environmentally related patents		1	1	S/M	
18. Environment-related innovation in all sectors		M			
Environmental goods and services	19. Production of environmental goods and services (EGS)	M	1	2	S/M
	19.1. Gross value added in the EGS sector (in % of GDP)				
	19.2. Employment in the EGS sector (in % of total employment)				
International financial flows	20. International financial flows of importance to GG (in % of total flows; in % of GNI)	M	2	1	L
	20.1. Official Development Assistance		2	1	S
	20.2. Carbon market financing		2	1	S
	20.3. Foreign Direct Investment (tbd)		3	3	L
Prices and transfers	21. Environmentally related taxation	M	2	2	S/M
	- Level of environmentally related tax revenues (in % of total tax revenues, in relation to labour related taxes)				
	- Structure of environmentally related taxes (by type of tax base)		2	2	S/M
	22. Energy pricing (share of taxes in end-use prices)	M	1	1	S
	23. Water pricing and cost recovery (tbd)	M	1	2	S/M
	<i>To be complemented with indicators on:</i>				
• <i>Environmentally related subsidies (tbd)</i>		1	3	M/L	
• <i>Environmental expenditure: level and structure (pollution abatement and control, biodiversity, natural resource use & management)</i>		2	1	L	
Regulations and management approaches	<i>Indicators to be developed</i>				
Training and skill development	<i>Indicators to be developed</i>				



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