

Agenda Item 1:

Introduction to “Monitoring Ukraine’s Progress towards Green Economy using the OECD Green Growth Indicators framework” (Activity 5.3)

Action implemented by:

About OECD Green Growth Indicators

2009: Green Growth Declaration *(34 OECD countries signed)*

2011: OECD Green Growth Strategy & a measurement framework

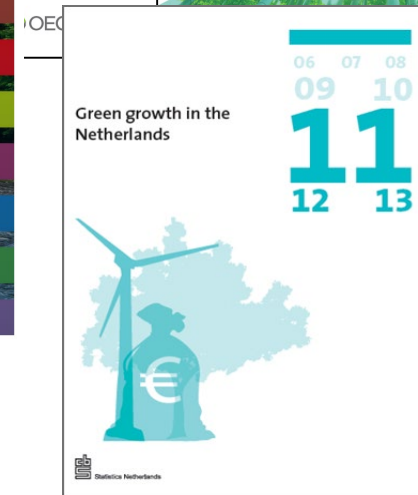
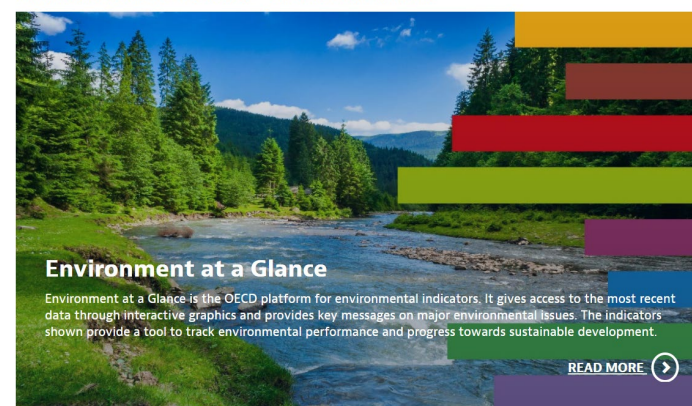
- **4 areas**, 26 green growth indicators:
 - 1) productivity in the use of environmental assets and natural resources;
 - 2) natural assets base;
 - 3) environmental dimensions of quality of life;
 - 4) policy responses and economic opportunities.
- no “one-size-fits-all” approach, flexible list, adaptable to national context

Action implemented by:

Key OECD reports on green growth indicators

- **All OECD countries and key Partners**
(2011, 2014, 2017, 2020 web-based with interactive graphics)
- **Individual OECD countries**
 - Netherlands (2011), Denmark, Germany, Korea (2012), Czech Republic (2013), Slovak Republic, Slovenia (2014)
- **Region-specific**
 - Urban Green Growth in Dynamic Asia (2016)
 - Towards Green Growth in Southeast Asia (2014)
- **City-specific**
 - Green Growth in Cities (2013) and case-studies
- **Sector-specific**
 - agriculture, fisheries, jobs, innovation

Environment at a Glance - OECD Indicators

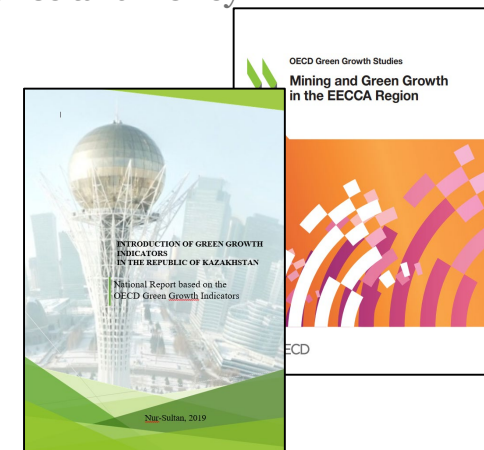


Action implemented by:

Green growth indicators work in EaP and EECCA

- **2012: launch of GGIs work in EECCA**
 - Pilot testing in the Kyrgyz Republic
 - Report on Green Growth & Environmental Governance in EECCA
- **2013: launch of EaP GREEN & its GGIs pillar**
 - Regional expert meeting on measuring progress towards green growth in EECCA: Adaptation of the OECD set of GGIs
- **2015: cooperation with UNECE, UNEP and EEA**
 - Regional expert meeting on Shared Environmental Information System & Green Growth in the EaP Partnership countries & Central Asia
- **2016-2019: regional guide and country applications**
 - Measuring the Green Transformation of the Economy: A Guide for EU Eastern Partnership Countries and Policy Highlights
 - Mining and Green Growth in the EECCA Region
 - Country reports: **Armenia, Azerbaijan, Moldova, Kazakhstan & Ukraine**
 - Further developments of GGIs led by the Statistical Offices: Belarus, Kyrgyzstan, Ukraine...

Action implemented by:



Selected GGIs for EaP in OECD stat database: <https://stats.oecd.org>

Selected green growth indicators	Armenia	Azerbaijan	Belarus	Georgia	Moldova	Ukraine
Socio-economic context						
Real GDP, Index 2000=100	286.8	435.5	215.8	251.5	218.1	142.4
Value added in agriculture, % of total value added	17.7	6.0	7.9	9.0	14.3	13.7
Value added in industry, % of total value added	27.5	51.7	36.1	24.9	14.3	27.1
Value added in services, % of total value added	54.8	42.3	56.0	66.1	71.4	59.2
Real GDP per capita, US Dollar, 2010	8,609.8	15,581.9	16,880.7	9,058.9	4,254.9	7,442.2
Population density, inhabitants per km2	98.3	112.3	45.7	56.3	119.9	73.6
Labour tax revenue, % GDP	6.13	4.5	14.6	7.7	12.2	12.4
Labour tax revenue, % total tax revenue	28.87	27.5	42.0	29.8	38.7	38.8
Environmental and resource productivity						
CO2 Productivity						
Production-based CO2 productivity, GDP per unit of energy-related CO2 emissions, US dollars per kilogram, 2010	4.8	4.9	2.9	3.8	2.2	1.6
Production-based CO2 intensity, energy-related CO2 per capita, Tonnes	1.7	3.2	5.6	2.2	1.9	4.4
Production-based CO2 emissions, index 2000=100	144.1	115.0	101.9	191.3	118.5	67.0
Production-based CO2 emissions, Tonnes, Millions	4.9	31.4	53.1	8.8	7.7	197.7
Energy productivity						
Energy productivity, GDP per unit of TPES, US Dollar, 2010	7,758.8	10,756.5	6,232.4	7,053.0	4,543.2	3,401.2
Energy intensity, TPES per capita, Tonnes of oil equivalent (toe)	1.0	1.5	2.6	1.2	0.9	2.1
Total primary energy supply, index 2000=100	150.1	125.9	101.4	167.1	131.8	70.5
Total primary energy supply, Tonnes of oil equivalent (toe), Millions	3.0	14.2	25.0	4.8	3.8	94.4
Renewable energy supply, % TPES	11.5	1.7	5.5	25.2	18.9	3.8
Renewable electricity, % total electricity generation	32.2	7.8	1.2	80.7	4.2	7.7
Energy consumption in agriculture, % total energy consumption	2.0	4.7	5.5	0.7	2.9	4.1
Energy consumption in services, % total energy consumption	9.4	6.6	11.2	10.0	9.3	9.4
Energy consumption in industry, % total energy consumption	15.1	16.1	21.5	15.7	16.8	29.0
Energy consumption in transport, % total energy consumption	29.3	24.9	20.5	33.4	24.5	17.7
Energy consumption in other sectors, % total energy consumption	44.3	47.6	41.3	40.2	46.5	39.8
Natural asset base						
Freshwater resources						
Permanent surface water, % total surface	4.5	0.6	0.9	0.3	0.8	2.1
Seasonal surface water, % total surface	0.1	0.6	0.3	0.2	0.3	0.4
Conversion of permanent water to not-water surface, % permanent water, since 1984	0.5	7.1	2.5	3.3	8.0	2.4
Conversion of permanent to seasonal water surface, % permanent water, since 1984	0.3	13.2	5.3	7.0	14.8	3.1
Conversion of not-water to permanent water surface, % permanent water, since 1984	2.6	13.6	9.4	18.3	9.9	4.9
Conversion of seasonal to permanent water surface, % permanent water, since 1984	0.8	0.6	1.2	2.8	1.2	1.2
Land resources						
Natural and semi-natural vegetated land, % total	35.1	17.1	45.3	60.5	8.1	18.1
Bare land, % total	1.3	2.4	0	2.1	0.0	0.0
Cropland, % total	56.9	31.2	52.7	35.3	84.7	75.2
Artificial surfaces, % total	2.2	0.8	0.9	1.5	6.3	4.2
Water, % total	4.5	48.5	1.1	0.6	0.9	2.5
Loss of natural and semi-natural vegetated land, % since 1992	8.1	6.3	5.8	2.4	1.4	3.7
Loss of natural and semi-natural vegetated land, % since 2004	1.2	1.1	0.8	1.1	0.3	0.6
Gain of natural and semi-natural vegetated land, % since 1992	3.4	2.7	10.1	2.6	8.2	15.2

New work on green growth indicators

EU-funded regional Programme



Action funded by
the European Union

EU4Environment

Armenia, Azerbaijan, Belarus, Georgia, Republic of Moldova, Ukraine

from 2019-2022, five organisations



THE WORLD BANK
IBRD • IDA | WORLD BANK GROUP

supports six EaP countries



Armenia



Azerbaijan



Belarus



Georgia



Moldova



Ukraine

Result 5: Monitoring of progress & GGIs

- Pilot projects in 2 countries (Belarus & Georgia)
- 4 updates (Armenia, Azerbaijan, Moldova & Ukraine)
- Country profiles & updates (all six countries)
- Regional dimension (e-book and *possible regional conference in collaboration with UNECE, UNEP and EEA*)

Action implemented by:

Green growth indicators in Ukraine

- Work launched in 2012
- Pilot independent monitoring report [Towards Green Growth: Monitoring Progress in Ukraine](#) (2014);
- [Report on Green Transformation in Ukraine](#) (2016);
- Integration of GGIs by State Statistics Service into [statistical publication](#) (latest edition 2018, see p. 207-211)



Action implemented by:

New GGIs project in Ukraine

Purpose: Measurement framework to evaluate progress towards greening the economy

- Review/update/possible extension of the existing GGIs set and identification of substitutes
- Contribution to the National Environmental Policy Strategy 2030 and EU Green Deal Initiative

Key National Partners: Ministries of Environment and of Economy and State Statistics Service

National Consultant: Resource and Analysis Center “Society and Environment”

Key outputs:

- Development of national report:
 - Main part with 5 main thematic sections (5 areas of green growth);
 - Special part, covering 30 indicators of the National Environmental Policy Strategy till 2030
- “Nutshell” briefs with key findings of the report

Duration: mid-September 2021

Action implemented by:

Thank you for your attention

EU4Environment: <https://www.eu4environment.org/>

EaP GREEN: <http://www.green-economies-eap.org/>

OECD GGIs homepage: <http://oe.cd/ggi>

OECD online database with selected GGIs: <http://oe.cd/ggi-data>

Action implemented by: