Green Deal Country Fiche

Indonesia

Population in 2019 270,63 million habitants	**Projected population in 2050** 330,91 million habitants

Surface 1.910,9 thousands km²	**Population density (2019)** 142 habitants per km²	**GDP per capita** 4.135,57 US$ (2019)

Population living below 1,90 $/day 3,60 % in 2018	**Human Development Index** 0,72 (2019, UN target: >0,8)

Legend

Main Protected Areas

Land Cover Classes
- Cropland rainfed
- Cropland irrigated
- Mosaic crops/nat.veg
- Tropical dense forest
- Deciduous forest
- Coniferous forest
- Mixed forest
- Shrubland
- Grassland
- Sparse vegetation
- Swamp forest
- Mangrove
- Swamps
- Urban areas
- Bare areas
- Water bodies
- Permanent snow and ice

European Commission, DEVCO.C.2, July 2020
Sources: Natural Earth (2018)
ESA Climate Change Initiative,
Land Cover led by UCLouvain (2017)
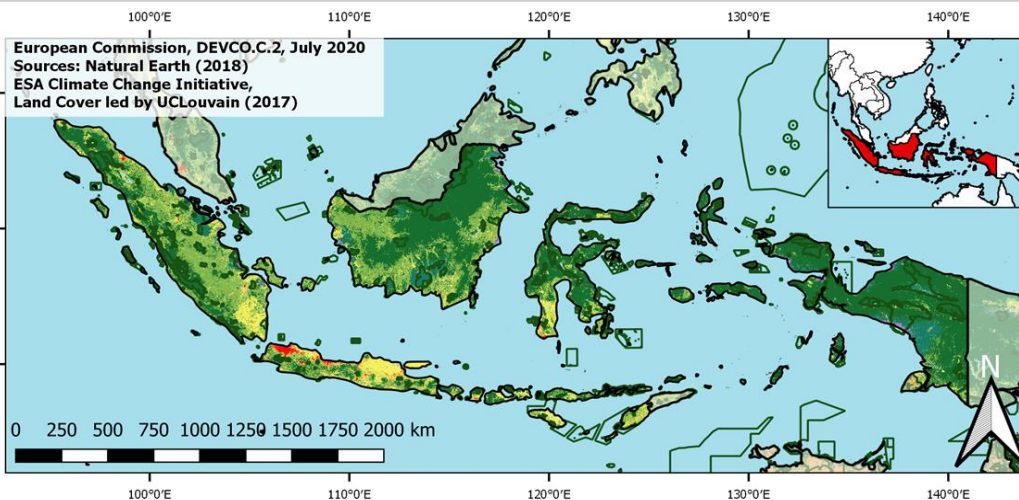
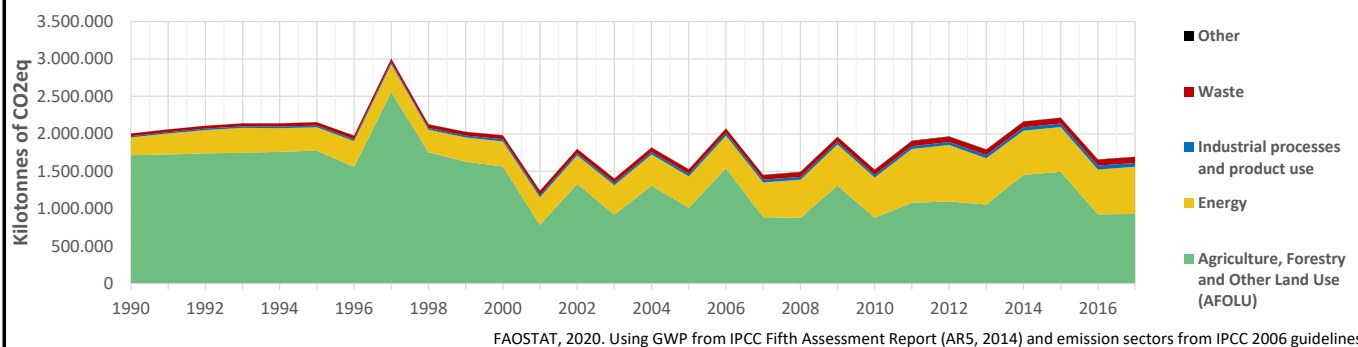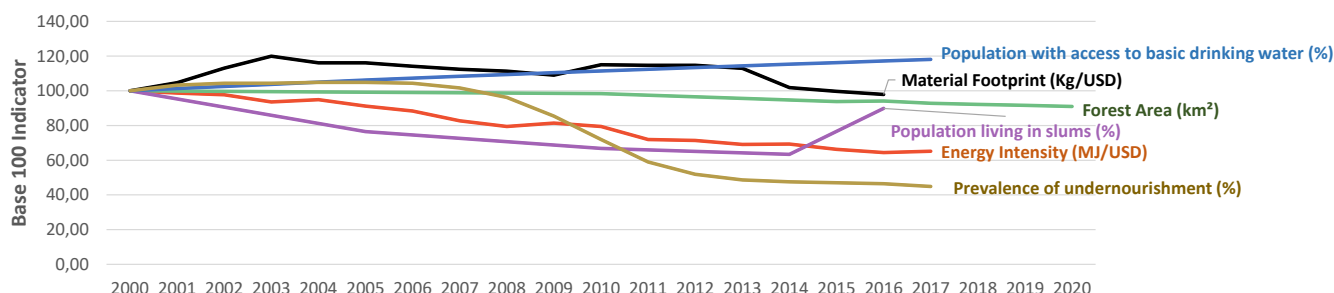| **Share of global emissions (2018)** 1,681%	**NDC: Mitigation Summary** (NDC from 2016) Indonesia has unconditionally committed to reduce 29% of its GHG emissions by 2030 below the BAU levels of 2 869 MtCO2eq. Conditionally, this could increase up to 41%. Sectors: energy, waste, industrial processes and product use, agriculture and forestry.	**INTPA "NDC Group"** Group 2 - Suggested EU focus on both Mitigation and Adaptation

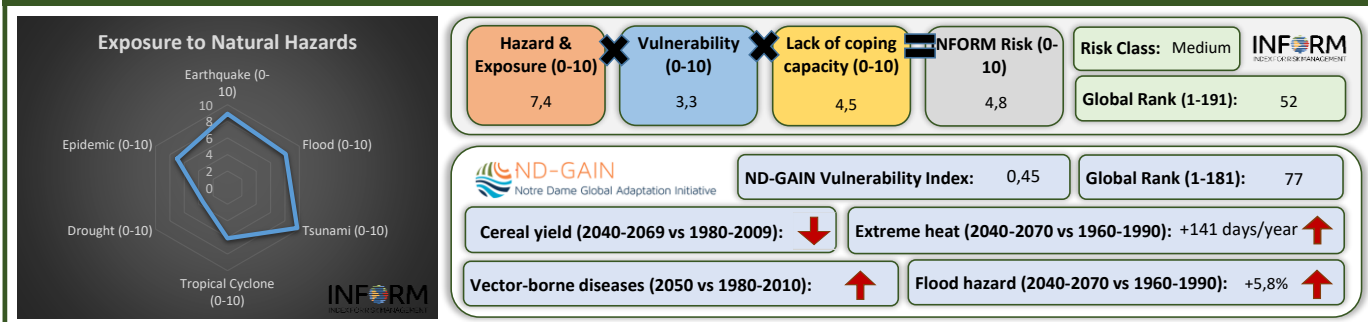| Pillar	Indicator Name and Unit	Value	Interpretation
Green, circular and low-carbon economy	**Ecological footprint** (Consumption in global hectares per capita, 2017)	1,66 gh/cap	Above the global sustainable threshold of 1,6 gha per capita
	Recycling and composting rate (% of total solid waste, 2017)	6%	No or very low rate of recycling and composting (min EU MS = 7%)
	Water productivity (USD of GDP per m³ of water extracted, 2015)	3,46 $/m³	Highly inefficient use of water resources
	Material footprint (Kg of raw materials used per USD of GDP, 2010)	1,54 kg/$	Larger footprint than EU average (0,97), but within range of EU MS
	Sustainable Consumption and Production Policy Framework (2017)	C3	No SCP macro policy or coordination mechanism reported
	Change in emissions (production) **vs change in GDP** (2007-2017)	+21% / +135%	Relative decoupling: emissions increased, but slower than GDP
Biodiversity & Forests	**Terrestrial protected areas** (% of total land area, 2020)	12,18%	Further progress is needed to meet CBD Target of 17% by 2020
	Threatened species (% of total evaluated species, 2019)	14,31%	High share of threatened species, risk missing SDG target 15.5
	Population around protected areas (% total pop., 10km buffer, 2015)	28,13%	Important share of population - consider landscape approach
	Forest area change (% change between 2015 and 2020)	-3,05 %	SDG Target 15.2 not achieved (halt deforestation by 2020)
	Sustainable forest management (% area with long-term plan, 2020)	24,00%	Significant efforts needed to meet SDG Target 15.2 (100% by 2020)
	Employment in forestry (number of full-time equivalents, 2015)	41580 FTE	Low share of total employment (<0,5% of total labor force in 2015)
Green and Smart Cities	**Proportion of urban population living in slums** (% in 2016)	30,90%	Further efforts needed for SDG Target 11.1 (upgrade by 2030)
	Satisfaction with public transport (% satisfied, 2018)	79,13%	High satisfaction with public transport (UN SDSN interpretation)
	Solid waste uncollected or dumped in the open (% of total, 2017)	28%	Further efforts are needed to meet SDG Target 11.6
	Wastewater receiving primary treatment (% of total)	1,00%	Significant efforts needed to ensure at least full primary treatment
	Urban air pollution (µg/m³ of PM 2.5 particules, 2016)	16,44 µg/m³	Within EU 2020 target (18µg/m³), above WHO guideline (10µg/m³)
	Alignment of national DRR strategies to Sendai Framework (0-1, 2018)	0	No Data
Sustainable Energy	**Access to electricity** (% of population, 2018)	98,51%	Some efforts still needed to meet SDG Target 7.1 of 100% by 2030
	Renewable energy (% of total energy consumption, 2016)	37,22%	Higher share of renewables than the EU 2020 target of 20%
	Renewable electricity (% of electricity production, 2015)	10,65%	Low share, increases needed to contribute to SDG Target 7.2
	Access to clean cooking (% of total population with access, 2018)	68,00%	Further efforts still needed for universal access to clean cooking
	Fossil fuel subsidies (% of GDP, 2015)	1,05%	Among the Top 35 countries with >1% GDP spent on FF subsidies
	Energy Intensity (megajoules per constant 2011 PPP GDP, 2017)	3,46 MJ/$	Energy Intensity within range of EU-MS, below the EU-27 average
Food systems: from Farms to Forks	**Rural poverty** (% of rural population below 1$90 a day, 2016)	6,80%	Further efforts needed to achieve SDG Target 1.1 (0% by 2030)
	Food security (% of pop in moderate or severe insecurity, 2016-2018)	8,10%	Progress is still needed to meet SDG Target 2.1 of 0% by 2030
	Nutrition (% of children under 5 who are stunted, 2018)	30,50%	Significant efforts needed to meet SDG Target 2.2 of 0% by 2030
	Fertilizer consumption (kg per hectare, 2016)	231,37 kg/ha	Among top 25% of countries with most intensive fertilizer use
	Land degradation (national area with declining productivity 1999-2013)	3,98%	Progress is still needed to meet SDG Target 15.3 of 0% by 2030
	Agriculture and FOLU share of emissions (% of CO2eq in 2017)	54,93%	High share of emissions - Key sector for climate mitigation
Water & Oceans	**Population using at least basic drinking water** (% of pop., 2017)	89,34%	Further progress needed to meet SDG Target 6.1 (100% by 2030)
	Population using at least basic sanitation services (% of pop., 2017)	73,10%	Further progress needed to meet SDG Target 6.2 (100% by 2030)
	Water scarcity (m³ of renewable freshwater per capita, 2014)	7914 m³/cap	Water shortages should be only irregular/local (>1700m³/capita)
	Water stress (water withdrawal as % of total available water, 2014)	9,24%	Low water stress (less than 25% of resource extraction)
	Marine protected areas (% of total marine area, 2020)	3,01%	Significant efforts needed to achieve CBD Target of 10% by 2020
	Fish stocks overexploited or collapsed (% of fish stocks, 2014)	21,16%	SDG Target 14.4 (0% by 2020) not met, significant efforts needed

Greenhouse Gas Emission History (Production-based)

Legend:
- Other
- Waste
- Industrial processes and product use
- Energy
- Agriculture, Forestry and Other Land Use (AFOLU)

FAOSTAT, 2020. Using GWP from IPCC Fifth Assessment Report (AR5, 2014) and emission sectors from IPCC 2006 guidelines.

Historic Trends of selected indicators per Green Deal Pillar (Base 100)

- Population with access to basic drinking water (%)
- Material Footprint (Kg/USD)
- Forest Area (km²)
- Population living in slums (%)
- Energy Intensity (MJ/USD)
- Prevalence of undernourishment (%)

Climate Adaptation Needs

Exposure to Natural Hazards

- Earthquake (0-10)
- Flood (0-10)
- Tsunami (0-10)
- Tropical Cyclone (0-10)
- Drought (0-10)
- Epidemic (0-10)

Hazard & Exposure (0-10)	Vulnerability (0-10)	Lack of coping capacity (0-10)	INFORM Risk (0-10)
7,4	3,3	4,5	4,8

Risk Class: Medium

Global Rank (1-191): 52

ND-GAIN Notre Dame Global Adaptation Initiative

ND-GAIN Vulnerability Index: 0,45   Global Rank (1-181): 77

Cereal yield (2040-2069 vs 1980-2009): ↓   Extreme heat (2040-2070 vs 1960-1990): +141 days/year ↑

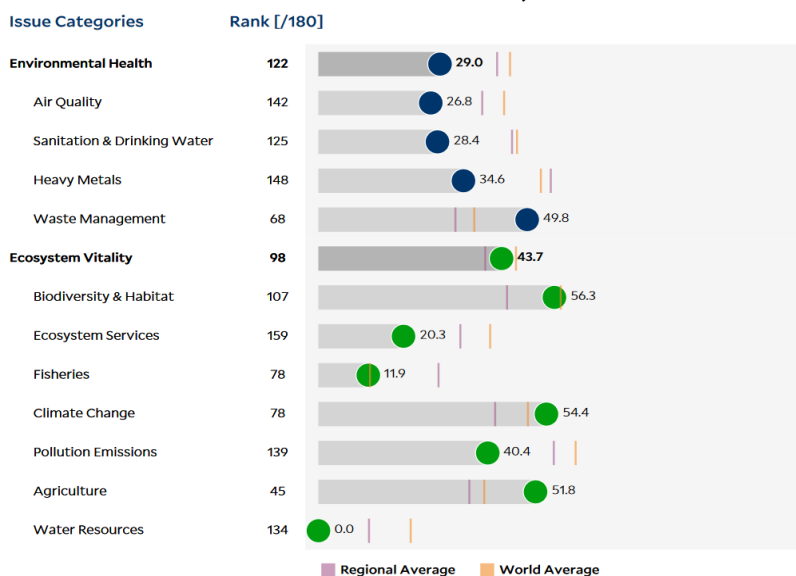Vector-borne diseases (2050 vs 1980-2010): ↑   Flood hazard (2040-2070 vs 1960-1990): +5,8% ↑

Environmental Performance Index 2020

2020 EPI Country Rank (out of 180)
116

2020 EPI Score [0=worst, 100=best]
37,8

Issue Categories	Rank [/180]	Score
Environmental Health	**122**	29.0
Air Quality	142	26.8
Sanitation & Drinking Water	125	28.4
Heavy Metals	148	34.6
Waste Management	68	49.8
Ecosystem Vitality	**98**	43.7
Biodiversity & Habitat	107	56.3
Ecosystem Services	159	20.3
Fisheries	78	11.9
Climate Change	78	54.4
Pollution Emissions	139	40.4
Agriculture	45	51.8
Water Resources	134	0.0

- Regional Average
- World Average

SDG Index 2020
(UN SDSN & Bertelsmann Stiftung)

SDG icons:
1 NO POVERTY
2 ZERO HUNGER
6 CLEAN WATER AND SANITATION
7 AFFORDABLE AND CLEAN ENERGY
8 DECENT WORK AND ECONOMIC GROWTH
11 SUSTAINABLE CITIES AND COMMUNITIES
12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION
14 LIFE BELOW WATER
15 LIFE ON LAND

Legend:
- ● SDG achieved
- ● Challenges remain
- ● Significant challenges remain
- ● Major challenges remain
- ● Information unavailable