Green Deal Country Fiche

Peru

Population in 2019 32,51 million habitants	**Projected population in 2050** 40,37 million habitants

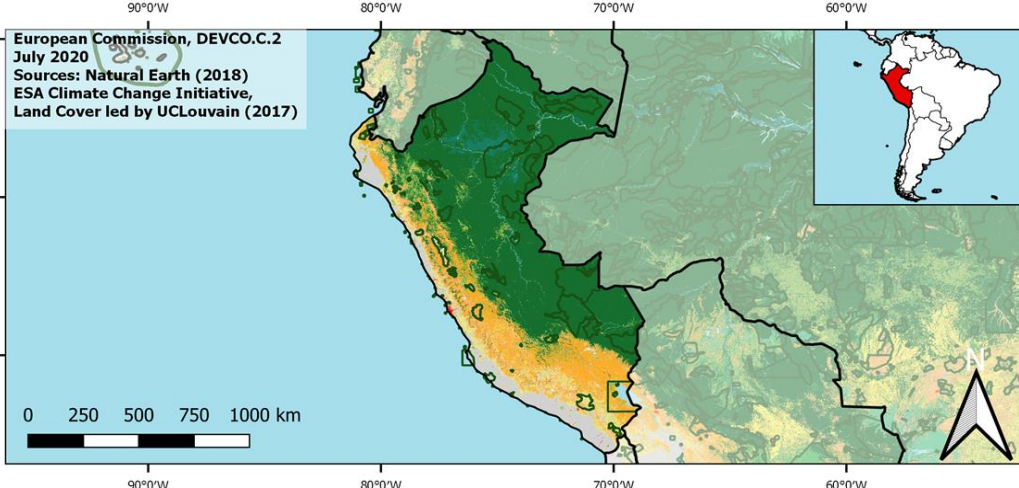| **Surface** 1.285,2 thousands km²	**Population density (2019)** 25 habitants per km²	**GDP per capita** 6.977,70 US$ (2019)

Population living below 1,90 $/day 2,70 % in 2018	**Human Development Index** 0,78 (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)

0 250 500 750 1000 km

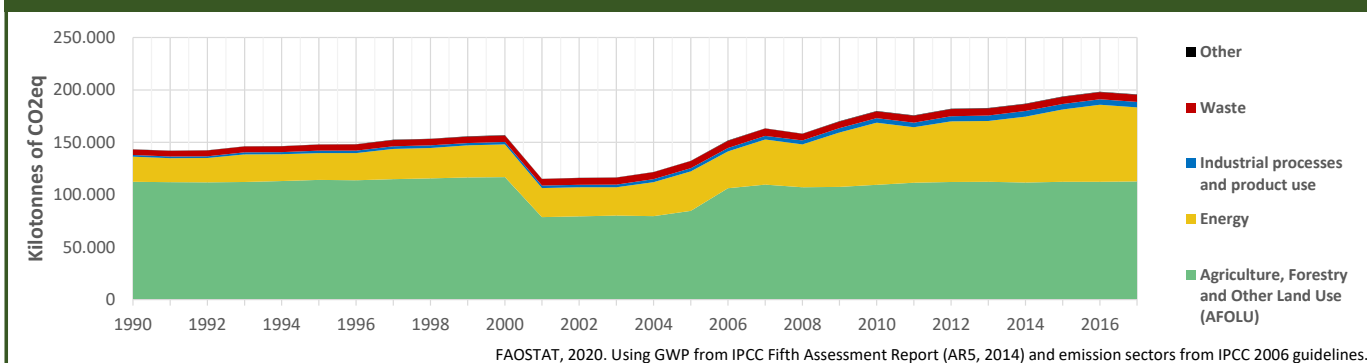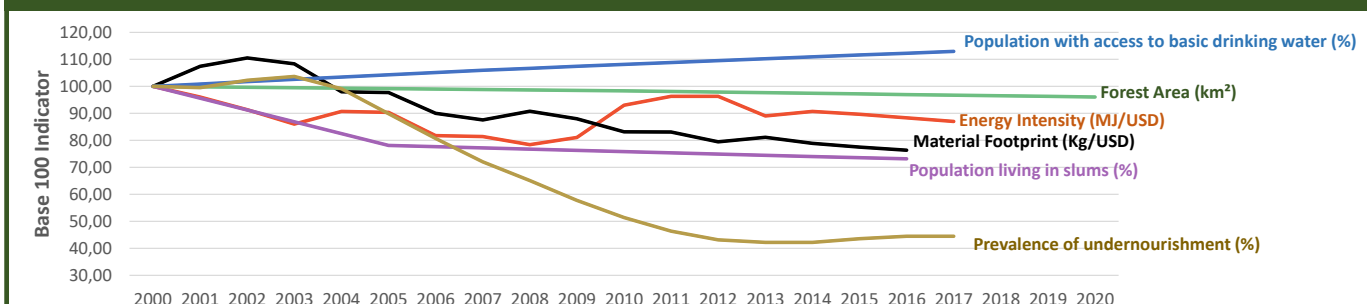| **Share of global emissions (2018)** 0,152%	**NDC: Mitigation Summary** (NDC from 2020) Peru commits to limit its net GHG emissions to a maximum level of 208.8 MtCO2eq (unconditional) and 179.0 MtCO2eq (conditional) in 2030 (representing 30% and 40% below BAU levels). Mitigation actions focus on energy, IPPU, waste, LULUCF and agriculture.	**INTPA "NDC Group"** Group 2 - Suggested EU focus on both Mitigation and Adaptation

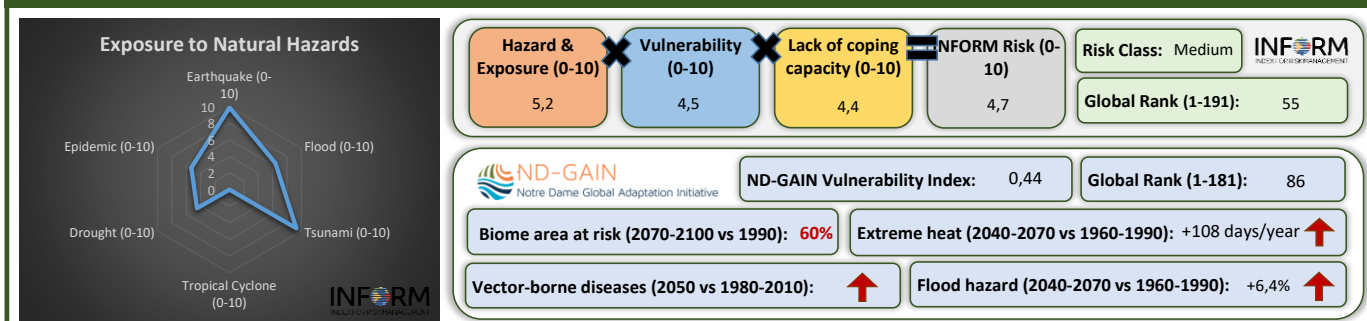| Pillar	Indicator Name and Unit	Value	Interpretation
Green, circular and low-carbon economy	**Ecological footprint** (Consumption in global hectares per capita, 2017)	2,15 gh/cap	Above the global sustainable threshold of 1,6 gha per capita
	Recycling and composting rate (% of total solid waste, 2017)	<5%	No or very low rate of recycling and composting (min EU MS = 7%)
	Water productivity (USD of GDP per m³ of water extracted, 2017)	11,06 $/m³	Less water efficient than EU average, but within range of EU MS
	Material footprint (Kg of raw materials used per USD of GDP, 2010)	1,45 kg/$	Larger footprint than EU average (0,97), but within range of EU MS
	Sustainable Consumption and Production Policy Framework (2017)	A	Comprehensive policy framework for SCP reported to the UN
	Change in emissions (production) **vs change in GDP** (2007-2017)	+23% / +107%	Relative decoupling: emissions increased, but slower than GDP
Biodiversity & Forests	**Terrestrial protected areas** (% of total land area, 2020)	21,49%	CBD Target has been met for terrestrial ecosystems (17% by 2020)
	Threatened species (% of total evaluated species, 2019)	10,96%	High share of threatened species, risk missing SDG target 15.5
	Population around protected areas (% total pop., 10km buffer, 2015)	24,95%	Important share of population - consider landscape approach
	Forest area change (% change between 2015 and 2020)	-1,18 %	SDG Target 15.2 not achieved (halt deforestation by 2020)
	Sustainable forest management (% area with long-term plan, 2020)	NA	No Data
	Employment in forestry (number of full-time equivalents, 2015)	NA	No Data
Green and Smart Cities	**Proportion of urban population living in slums** (% in 2016)	33,80%	Further efforts needed for SDG Target 11.1 (upgrade by 2030)
	Satisfaction with public transport (% satisfied, 2018)	54,12%	Medium satisfaction (UN SDSN interpretation)
	Solid waste uncollected or dumped in the open (% of total, 2017)	68%	Significant efforts are needed to meet SDG Target 11.6
	Wastewater receiving primary treatment (% of total)	76,10%	Further efforts needed to ensure at least full primary treatment
	Urban air pollution (µg/m³ of PM 2.5 particules, 2016)	29,04 µg/m³	Above EU 2020 target (18µg/m³) but below US Standard (35µg/m³)
	Alignment of national DRR strategies to Sendai Framework (0-1, 2018)	0,75	Substantial alignment with the Sendai Framework (1)
Sustainable Energy	**Access to electricity** (% of population, 2018)	95,20%	Some efforts still needed to meet SDG Target 7.1 of 100% by 2030
	Renewable energy (% of total energy consumption, 2016)	25,32%	Higher share of renewables than the EU 2020 target of 20%
	Renewable electricity (% of electricity production, 2015)	52,73%	High share of renewable electricity
	Access to clean cooking (% of total population with access, 2018)	77,70%	Further efforts still needed for universal access to clean cooking
	Fossil fuel subsidies (% of GDP, 2015)	0,00%	No fossil-fuel subsidies, SDG Target 12.C achieved
	Energy Intensity (megajoules per constant 2011 PPP GDP, 2017)	2,62 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, 2018)	9,40%	Further efforts needed to achieve SDG Target 1.1 (0% by 2030)
	Food security (% of population in food crisis or worse, 2019)	NA	No Data
	Nutrition (% of children under 5 who are stunted, 2018)	12,20%	Significant efforts needed to meet SDG Target 2.2 of 0% by 2030
	Fertilizer consumption (kg per hectare, 2016)	127,7 kg/ha	Within range of EU MS values (below EU overall use of 153 kg/ha)
	Land degradation (national area with declining productivity 1999-2013)	7,22%	Progress is still needed to meet SDG Target 15.3 of 0% by 2030
	Agriculture and FOLU share of emissions (% of CO2eq in 2017)	57,53%	High share of emissions - Key sector for climate mitigation
Water & Oceans	**Population using at least basic drinking water** (% of pop., 2017)	91,13%	Further progress needed to meet SDG Target 6.1 (100% by 2030)
	Population using at least basic sanitation services (% of pop., 2017)	74,30%	Further progress needed to meet SDG Target 6.2 (100% by 2030)
	Water scarcity (m³ of renewable freshwater per capita, 2014)	52981 m³/cap	Water shortages should be only irregular/local (>1700m³/capita)
	Water stress (water withdrawal as % of total available water, 2014)	1,16%	Low water stress (less than 25% of resource extraction)
	Marine protected areas (% of total marine area, 2020)	0,47%	Significant efforts needed to achieve CBD Target of 10% by 2020
	Fish stocks overexploited or collapsed (% of fish stocks, 2014)	4,88%	SDG Target 14.4 of 0% by 2020 not met, progress still needed

Greenhouse Gas Emission History (Production-based)

Kilotonnes of CO2eq

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)

Base 100 Indicator

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

INFORM

Hazard & Exposure (0-10)	✕	Vulnerability (0-10)	✕	Lack of coping capacity (0-10)	=	INFORM Risk (0-10)
5,2		4,5		4,4		4,7

Risk Class: Medium
Global Rank (1-191): 55

INFORM INDEX FOR RISK MANAGEMENT

ND-GAIN — Notre Dame Global Adaptation Initiative

ND-GAIN Vulnerability Index: 0,44   Global Rank (1-181): 86

Biome area at risk (2070-2100 vs 1990): 60%   Extreme heat (2040-2070 vs 1960-1990): +108 days/year ↑

Vector-borne diseases (2050 vs 1980-2010): ↑   Flood hazard (2040-2070 vs 1960-1990): +6,4% ↑

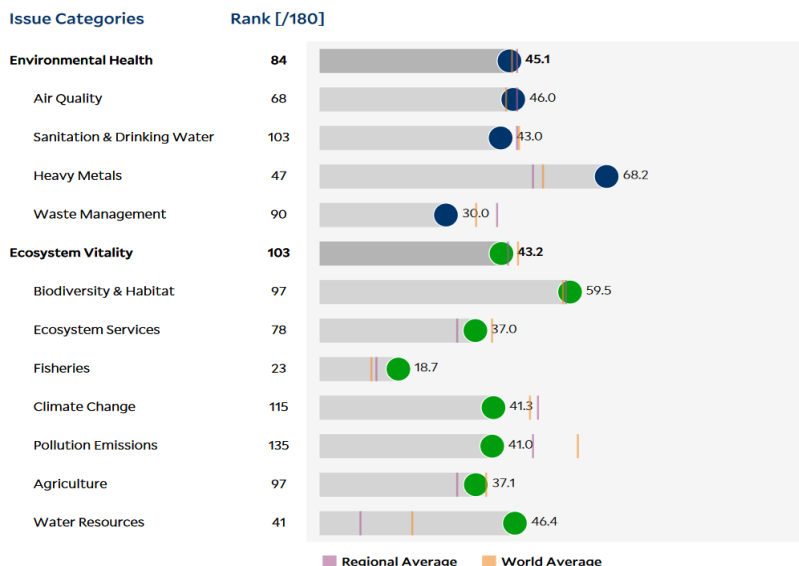## EPI Environmental Performance Index 2020

2020 EPI Country Rank (out of 180)
90

2020 EPI Score [0=worst, 100=best]
44,0

Issue Categories	Rank [/180]	Score
Environmental Health	84	45.1
Air Quality	68	46.0
Sanitation & Drinking Water	103	43.0
Heavy Metals	47	68.2
Waste Management	90	30.0
Ecosystem Vitality	103	43.2
Biodiversity & Habitat	97	59.5
Ecosystem Services	78	37.0
Fisheries	23	18.7
Climate Change	115	41.3
Pollution Emissions	135	41.0
Agriculture	97	37.1
Water Resources	41	46.4

Legend: Regional Average | World Average

SDG Index 2020
(UN SDSN & Bertelsmann Stiftung)

- 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