Green Deal Country Fiche

Mali

Population in 2019 19,66 million habitants	**Projected population in 2050** 43,59 million habitants

Surface 1.240,2 thousands km²	**Population density (2019)** 16 habitants per km²	**GDP per capita** 879,01 US$ (2019)

Population living below 1,90 $/day 50,30 % in 2009	**Human Development Index** 0,43 (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)
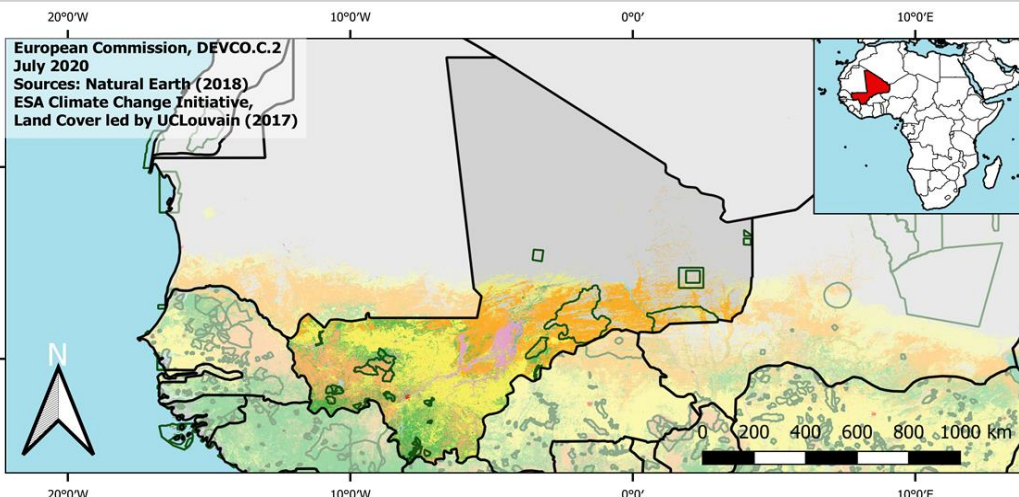
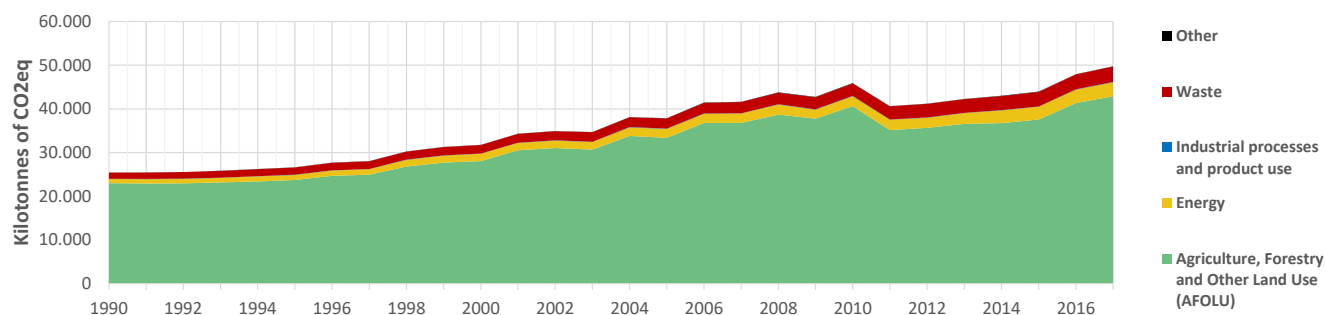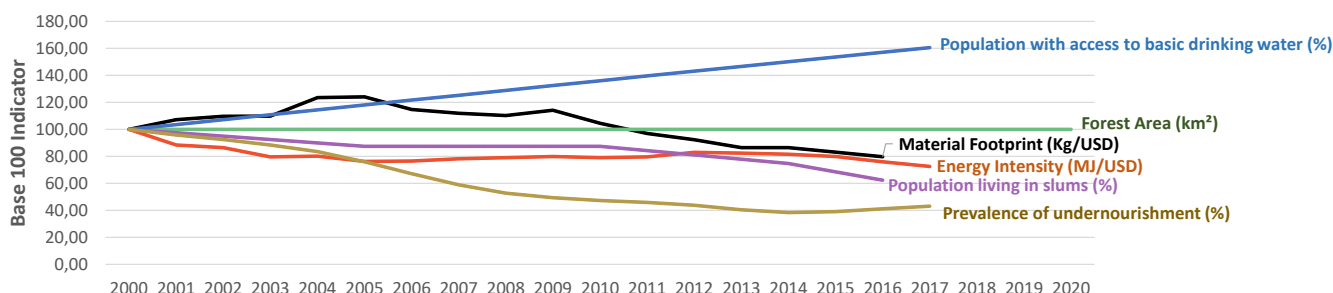| **Share of global emissions (2018)** 0,010%	**NDC: Mitigation Summary** (NDC from 2016) Mali plans to remain a net carbon sink through conditional and unconditional actions in agriculture, energy, forestry and land use. Mitigation actions would cost USD 34.68 bln and allow Mali to capture 84.44 MtCO2eq in 2030 instead of 29.24 MtCO2eq (BAU).	**INTPA "NDC Group"** Group 3 - Suggested focus on adaptation for EU cooperation

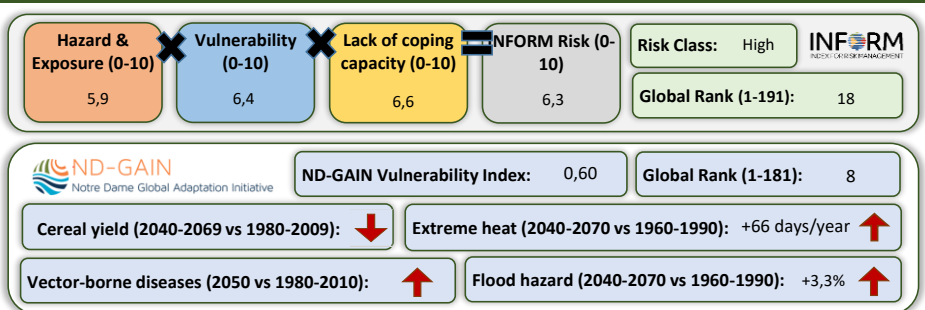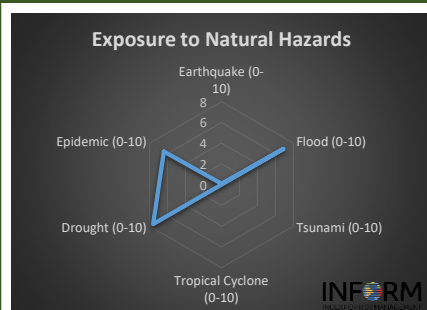| Pillar	Indicator Name and Unit	Value	Interpretation
Green, circular and low-carbon economy	**Ecological footprint** (Consumption in global hectares per capita, 2017)	1,44 gh/cap	Within the global sustainable threshold of 1,6 gha per capita
	Recycling and composting rate (% of total solid waste, 2017)	NA	No Data
	Water productivity (USD of GDP per m³ of water extracted, 2015)	1,43 $/m³	Highly inefficient use of water resources
	Material footprint (Kg of raw materials used per USD of GDP, 2010)	4,77 kg/$	Highly resource-inefficient production and consumption practices
	Sustainable Consumption and Production Policy Framework (2017)	D	No policy framework for SCP has been reported to the UN
	Change in emissions (production) **vs change in GDP** (2007-2017)	+12% / +88%	Relative decoupling: emissions increased, but slower than GDP
Biodiversity & Forests	**Terrestrial protected areas** (% of total land area, 2020)	8,29%	Significant efforts are needed to meet CBD Target of 17% by 2020
	Threatened species (% of total evaluated species, 2019)	4,39%	Medium share of threatened species, risk missing SDG target 15.5
	Population around protected areas (% total pop., 10km buffer, 2015)	4,52%	Small proportion of the population living around protected areas
	Forest area change (% change between 2015 and 2020)	0 %	Forest cover at equilibrium, SDG Target 15.2 achieved
	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)	47,00%	Further efforts needed for SDG Target 11.1 (upgrade by 2030)
	Satisfaction with public transport (% satisfied, 2018)	45,26%	Medium satisfaction (UN SDSN interpretation)
	Solid waste uncollected or dumped in the open (% of total, 2017)	NA	No Data
	Wastewater receiving primary treatment (% of total)	0,00%	Significant efforts needed to ensure at least full primary treatment
	Urban air pollution (µg/m³ of PM 2.5 particules, 2016)	29,01 µg/m³	Above EU 2020 target (18µg/m³) but below US Standard (35µg/m³)
	Alignment of national DRR strategies to Sendai Framework (0-1 Score)	NA	No Data
Sustainable Energy	**Access to electricity** (% of population, 2018)	50,90%	Significant efforts needed to meet SDG Target 7.1 of 100% by 2030
	Renewable energy (% of total energy consumption, 2016)	59,43%	High share of renewables in total energy consumption
	Renewable electricity (% of electricity production, 2015)	43,52%	Medium share of renewable electricity
	Access to clean cooking (% of total population with access, 2018)	<5%	Significant efforts needed for universal access to clean cooking
	Fossil fuel subsidies (% of GDP, 2015)	1,02%	Among the Top 35 countries with >1% GDP spent on FF subsidies
	Energy Intensity (megajoules per constant 2011 PPP GDP, 2017)	2,56 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)	NA	No Data
	Food security (% of population in food crisis or worse, 2019)	3,00%	Progress is still needed to meet SDG Target 2.1 of 0% by 2030
	Nutrition (% of children under 5 who are stunted, 2018)	26,90%	Significant efforts needed to meet SDG Target 2.2 of 0% by 2030
	Fertilizer consumption (kg per hectare, 2016)	44,24 kg/ha	Below lowest EU MS value (60 kg/ha in Romania)
	Land degradation (national area with declining productivity 1999-2013)	2,97%	Progress is still needed to meet SDG Target 15.3 of 0% by 2030
	Agriculture and FOLU share of emissions (% of CO2eq in 2017)	86,26%	High share of emissions - Key sector for climate mitigation
Water & Oceans	**Population using at least basic drinking water** (% of pop., 2017)	78,26%	Further progress needed to meet SDG Target 6.1 (100% by 2030)
	Population using at least basic sanitation services (% of pop., 2017)	39,30%	Significant efforts needed to meet SDG Target 6.2 (100% by 2030)
	Water scarcity (m³ of renewable freshwater per capita, 2014)	3537 m³/cap	Water shortages should be only irregular/local (>1700m³/capita)
	Water stress (water withdrawal as % of total available water, 2014)	5,82%	Low water stress (less than 25% of resource extraction)
	Marine protected areas (% of total marine area, 2020)	Landlocked	Indicator not relevant because the country is landlocked
	Fish stocks overexploited or collapsed (% of fish stocks, 2014)	Landlocked	Indicator not relevant because the country is landlocked

Greenhouse Gas Emission History (Production-based)

Legend:
- Other (black)
- Waste (red)
- Industrial processes and product use (blue)
- Energy (yellow)
- Agriculture, Forestry and Other Land Use (AFOLU) (green)

Y-axis: Kilotonnes of CO2eq (0 to 60.000)
X-axis: 1990 to 2016

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)

Y-axis: Base 100 Indicator (0,00 to 180,00)
X-axis: 2000 to 2020

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

Climate Adaptation Needs

Exposure to Natural Hazards

Radar chart axes (0-10):
- 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)
5,9		6,4		6,6		6,3

Risk Class:	High
Global Rank (1-191):	18

INFORM INDEX FOR RISK MANAGEMENT

ND-GAIN Notre Dame Global Adaptation Initiative	ND-GAIN Vulnerability Index:	0,60	Global Rank (1-181):	8

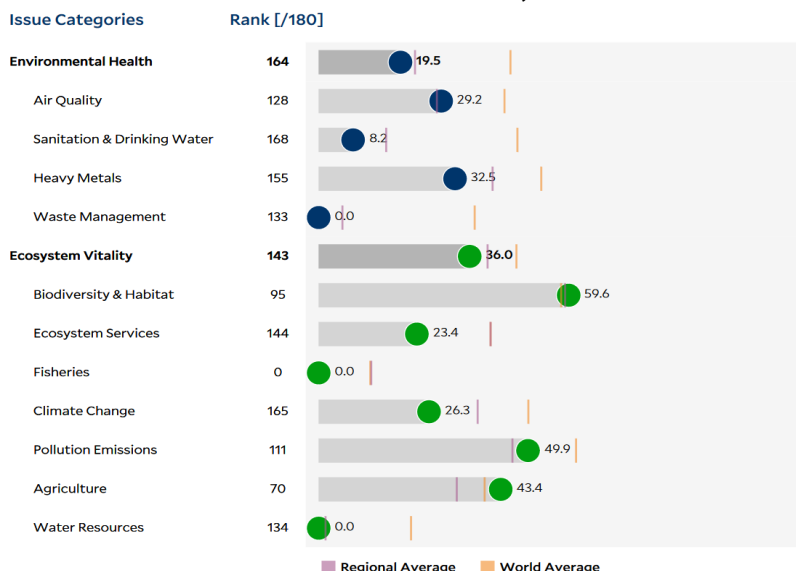| Cereal yield (2040-2069 vs 1980-2009):	⬇	Extreme heat (2040-2070 vs 1960-1990):	+66 days/year	⬆
Vector-borne diseases (2050 vs 1980-2010):	⬆	Flood hazard (2040-2070 vs 1960-1990):	+3,3%	⬆

Environmental Performance Index 2020

2020 EPI Country Rank (out of 180)
160

2020 EPI Score [0=worst, 100=best]
29,4

Issue Categories	Rank [/180]	Score
Environmental Health	**164**	19.5
Air Quality	128	29.2
Sanitation & Drinking Water	168	8.2
Heavy Metals	155	32.5
Waste Management	133	0.0
Ecosystem Vitality	**143**	36.0
Biodiversity & Habitat	95	59.6
Ecosystem Services	144	23.4
Fisheries	0	0.0
Climate Change	165	26.3
Pollution Emissions	111	49.9
Agriculture	70	43.4
Water Resources	134	0.0

Legend: Regional Average, World Average

SDG Index 2020
(UN SDSN & Bertelsmann Stiftung)

SDG icons shown:
- 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