Green Deal Country Fiche

Tajikistan

Population in 2019 9,32 million habitants	**Projected population in 2050** 16,21 million habitants

Surface 141,4 thousands km²	**Population density (2019)** 66 habitants per km²	**GDP per capita** 870,79 US$ (2019)

Population living below 1,90 $/day 4,10 % in 2015	**Human Development Index** 0,67 (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)

70°0'E

0   50   100   150   200   250 km
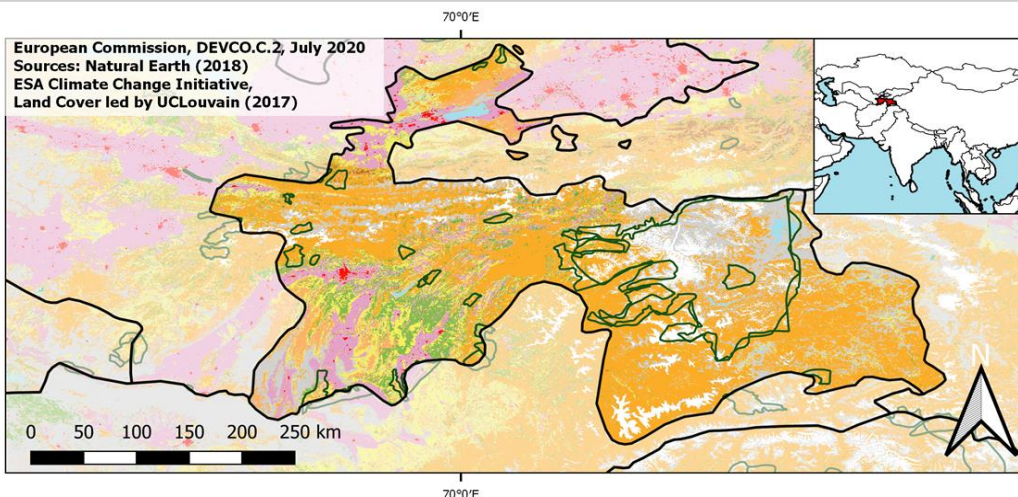
Share of global emissions (2018)
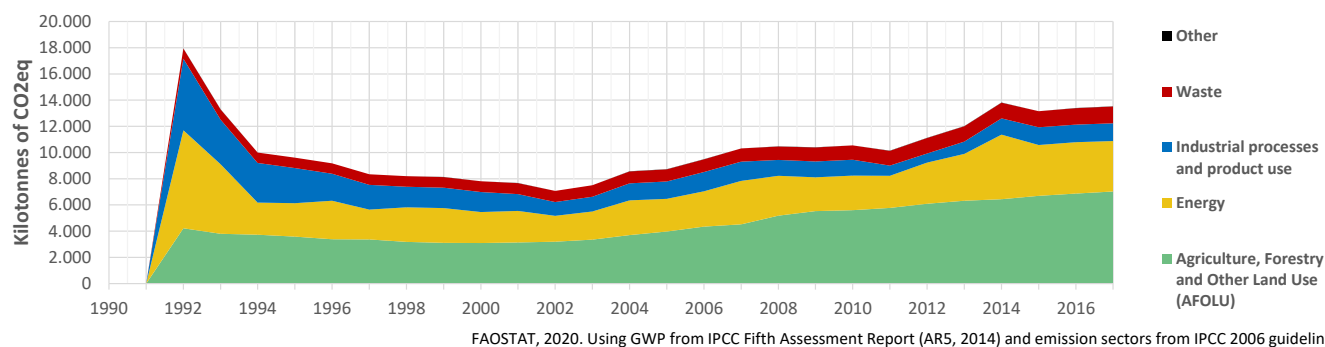0,015%

NDC: Mitigation Summary (NDC from 2017)

Tajikistan proposes to avoid exceeding 80-90% of its 1990 level by 2030 (i.e. 1.7-2.2 tCO2eq per capita). Conditionally, this could go up to 65-75% (1.2-1.7 tCO2eq per capita). Mitigation actions focus on industry, AFOLU, biodiversity and transportation.
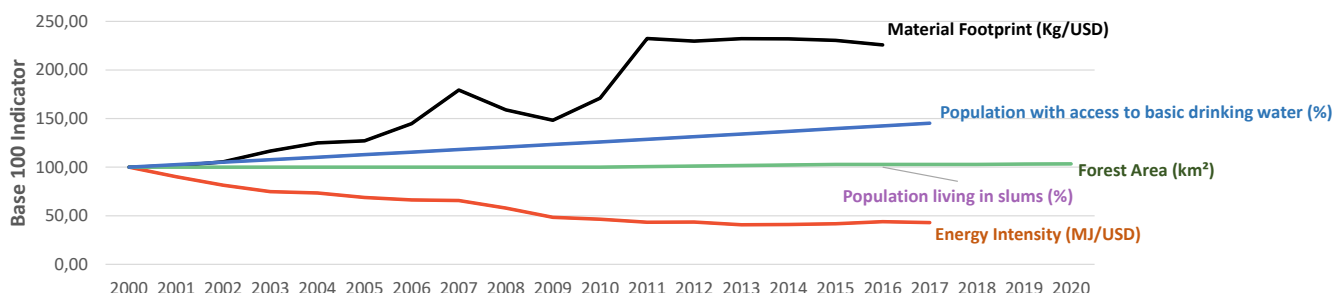
INTPA "NDC Group"

Group 3 - Suggested focus on adaptation for EU cooperation

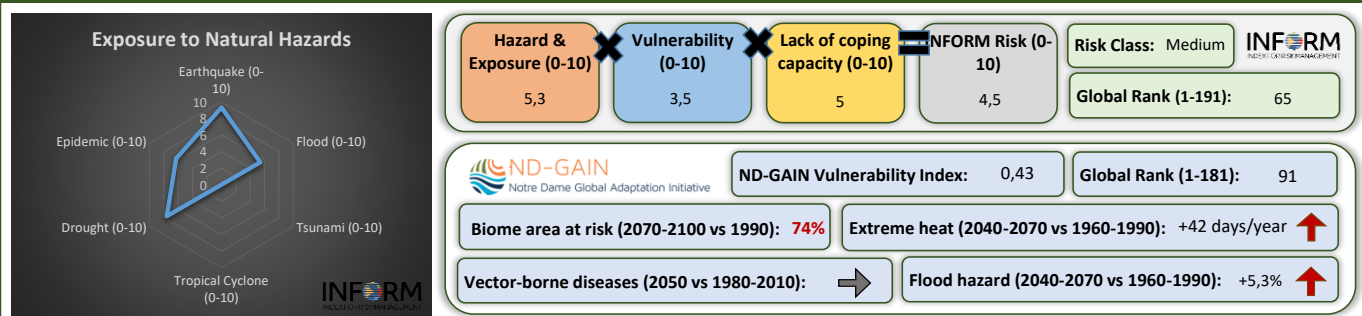| Pillar	Indicator Name and Unit	Value	Interpretation
Green, circular and low-carbon economy	Ecological footprint (Consumption in global hectares per capita, 2017)	0,97 gh/cap	Within the global sustainable threshold of 1,6 gha per capita
	Recycling and composting rate (% of total solid waste, 2017)	<5%	No or very low rate of recycling and composting (min EU MS = 7%)
	Water productivity (USD of GDP per m³ of water extracted, 2016)	0,64 $/m³	Highly inefficient use of water resources
	Material footprint (Kg of raw materials used per USD of GDP, 2010)	3,95 kg/$	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)	+42% / +92%	Relative decoupling: emissions increased, but slower than GDP
Biodiversity & Forests	Terrestrial protected areas (% of total land area, 2020)	21,90%	CBD Target has been met for terrestrial ecosystems (17% by 2020)
	Threatened species (% of total evaluated species, 2019)	6,53%	Medium share of threatened species, risk missing SDG target 15.5
	Population around protected areas (% total pop., 10km buffer, 2015)	9,58%	Small proportion of the population living around protected areas
	Forest area change (% change between 2015 and 2020)	+0,47 %	Forest cover is increasing, 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)	26,00%	Further efforts needed for SDG Target 11.1 (upgrade by 2030)
	Satisfaction with public transport (% satisfied, 2018)	81,74%	High satisfaction with public transport (UN SDSN interpretation)
	Solid waste uncollected or dumped in the open (% of total, 2017)	100%	Significant efforts are needed to meet SDG Target 11.6
	Wastewater receiving primary treatment (% of total)	5,00%	Significant efforts needed to ensure at least full primary treatment
	Urban air pollution (µg/m³ of PM 2.5 particules, 2016)	42,85 µg/m³	Very high air pollution, above key guideline values (WHO, EU, US)
	Alignment of national DRR strategies to Sendai Framework (0-1, 2019)	1	No Data
Sustainable Energy	Access to electricity (% of population, 2018)	99,30%	Some efforts still needed to meet SDG Target 7.1 of 100% by 2030
	Renewable energy (% of total energy consumption, 2016)	43,91%	Higher share of renewables than the EU 2020 target of 20%
	Renewable electricity (% of electricity production, 2015)	98,47%	High share of renewable electricity
	Access to clean cooking (% of total population with access, 2016)	80,41%	Further efforts still needed for universal access to clean cooking
	Fossil fuel subsidies (% of GDP, 2015)	3,30%	Among Top 10 countries with highest share of FF subsidies globally
	Energy Intensity (megajoules per constant 2011 PPP GDP, 2017)	5,23 MJ/$	Energy Intensity above EU average, but still within range of EU MS
Food systems: from Farms to Forks	Rural poverty (% of rural population below 1$90 a day, 2015)	5,60%	Further efforts needed to achieve SDG Target 1.1 (0% by 2030)
	Food security (% of pop in moderate or severe insecurity, 2016-2018)	29,60%	Significant efforts needed to meet SDG Target 2.1 of 0% by 2030
	Nutrition (% of children under 5 who are stunted, 2017)	17,50%	Significant efforts needed to meet SDG Target 2.2 of 0% by 2030
	Fertilizer consumption (kg per hectare, 2016)	81,38 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)	12,56%	Significant efforts needed to meet SDG Target 15.3 of 0% by 2030
	Agriculture and FOLU share of emissions (% of CO2eq in 2017)	51,97%	High share of emissions - Key sector for climate mitigation
Water & Oceans	Population using at least basic drinking water (% of pop., 2017)	81,20%	Further progress needed to meet SDG Target 6.1 (100% by 2030)
	Population using at least basic sanitation services (% of pop., 2017)	97,00%	SDG Target 6.2 (100% by 2030) is on track for achievement, but
	Water scarcity (m³ of renewable freshwater per capita, 2014)	7588 m³/cap	Water shortages should be only irregular/local (>1700m³/capita)
	Water stress (water withdrawal as % of total available water, 2014)	71,35%	High water stress. Minimum environmental flow compromised.
	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)

Kilotonnes of CO2eq — y-axis (0 to 20.000); years 1990–2016

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

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 (y-axis 0,00 to 250,00); years 2000–2020

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

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)
5,3		3,5		5		4,5

Risk Class: Medium
INFORM INDEX FOR RISK MANAGEMENT
Global Rank (1-191): 65

ND-GAIN Notre Dame Global Adaptation Initiative

ND-GAIN Vulnerability Index: 0,43
Global Rank (1-181): 91

Biome area at risk (2070-2100 vs 1990): **74%**
Extreme heat (2040-2070 vs 1960-1990): +42 days/year ↑

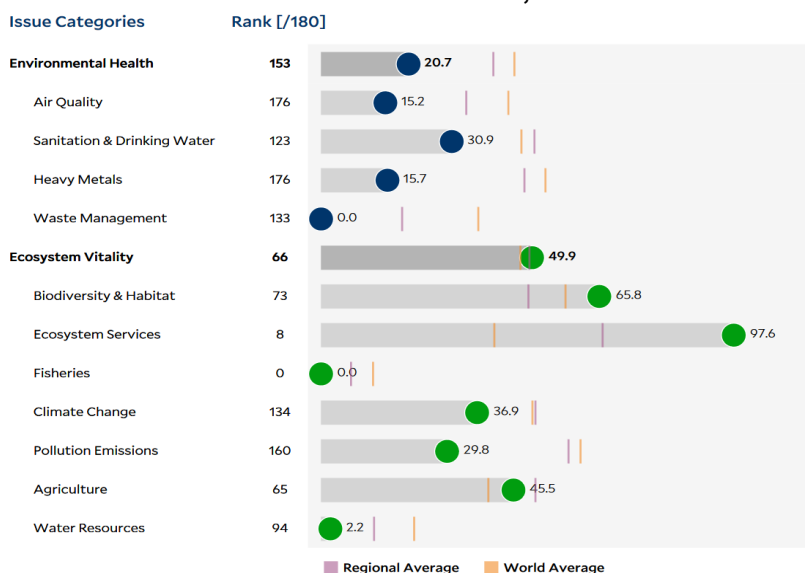Vector-borne diseases (2050 vs 1980-2010): →
Flood hazard (2040-2070 vs 1960-1990): +5,3% ↑

Environmental Performance Index 2020

2020 EPI Country Rank (out of 180)
114

2020 EPI Score [0=worst, 100=best]
38,2

Issue Categories	Rank [/180]	Score
Environmental Health	**153**	20.7
Air Quality	176	15.2
Sanitation & Drinking Water	123	30.9
Heavy Metals	176	15.7
Waste Management	133	0.0
Ecosystem Vitality	**66**	49.9
Biodiversity & Habitat	73	65.8
Ecosystem Services	8	97.6
Fisheries	0	0.0
Climate Change	134	36.9
Pollution Emissions	160	29.8
Agriculture	65	45.5
Water Resources	94	2.2

Legend: Regional Average, World Average

SDG Index 2020
(UN SDSN & Bertelsmann Stiftung)

SDGs 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 (green)
- Challenges remain (yellow)
- Significant challenges remain (orange)
- Major challenges remain (red)
- Information unavailable (grey)