



## Green Deal Country Fiche

### Tonga

Population in 2019  
0,10 million habitants

Projected population in 2050  
0,13 million habitants

Surface  
0,8 thousands km<sup>2</sup>

Population density (2019)  
131 habitants per km<sup>2</sup>

GDP per capita  
4.903,15 US\$ (2019)

Population living below 1,90 \$/day  
1,00 % in 2015

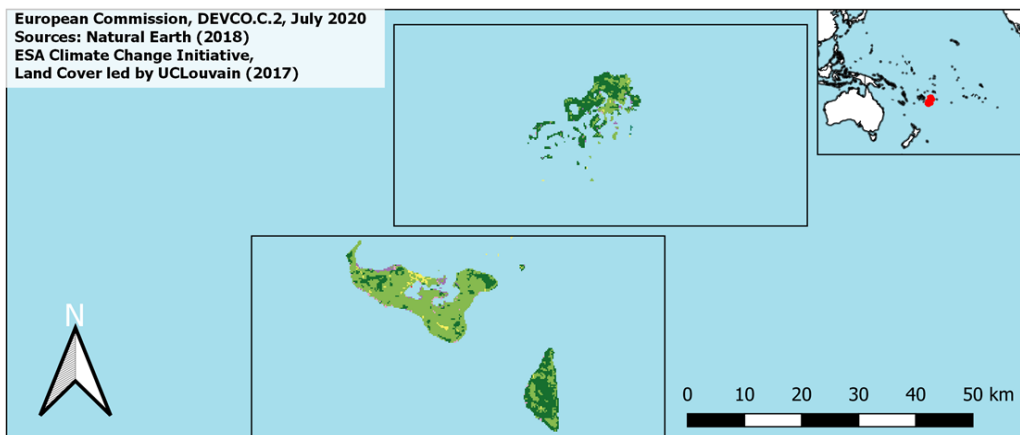
Human Development Index  
0,73 (2019, UN target: >0,8)

#### Legend

##### 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)  
0,000%

#### NDC: Mitigation Summary

(NDC from 2020)

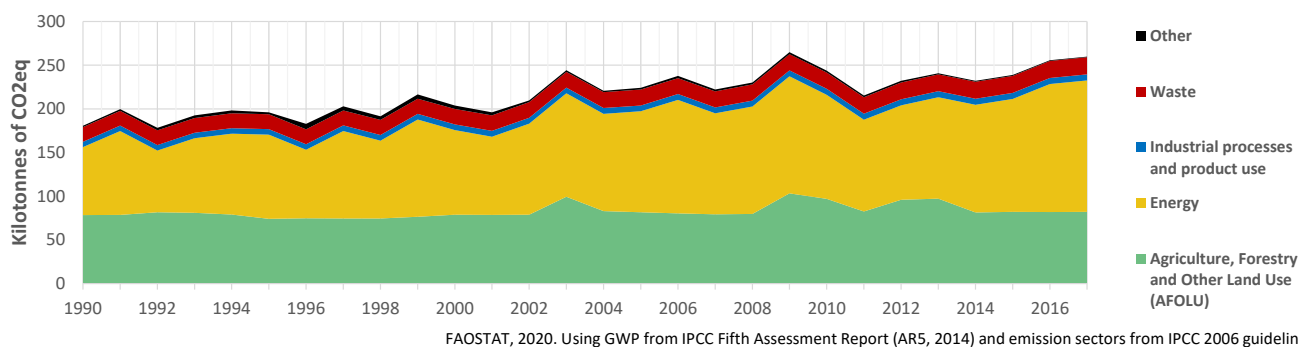
Tonga commits to reduce its GHG emissions by 13% (16 ktCO<sub>2</sub>eq) by 2030 compared to 2006 in energy sector through transition to 70% renewable energy as well as energy efficiency measures.

#### INTPA "NDC Group"

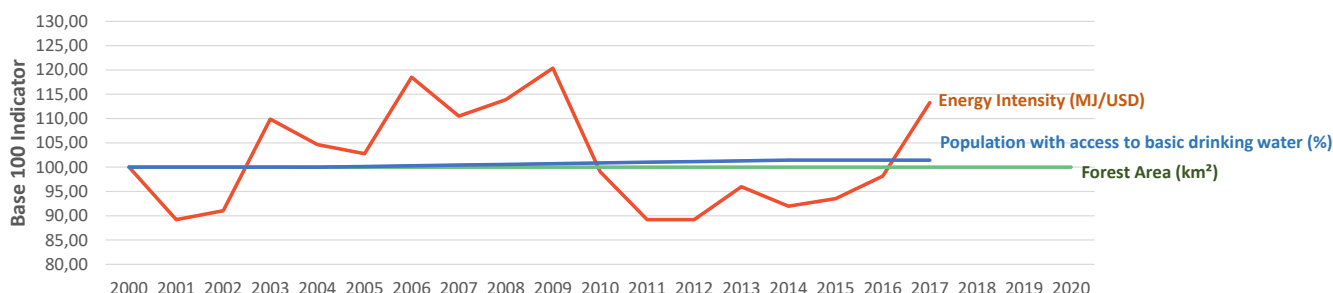
Group 3 - Suggested focus on adaptation for EU cooperation

Pillar	Indicator Name and Unit	Value	Interpretation
Green, circular and low-carbon economy	Ecological footprint (Consumption in global hectares per capita, 2017)	3,24 gh/cap	Above 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 m <sup>3</sup> of water extracted, 2017)	NA	No Data
	Material footprint (Kg of raw materials used per USD of GDP, 2010)	NA	No Data
	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)	+8% / +43%	Relative decoupling: emissions increased, but slower than GDP
Biodiversity & Forests	Terrestrial protected areas (% of total land area, 2020)	12,59%	Further progress is needed to meet CBD Target of 17% by 2020
	Threatened species (% of total evaluated species, 2019)	5,53%	Medium share of threatened species, risk missing SDG target 15.5
	Population around protected areas (% total pop., 10km buffer, 2015)	NA	No Data
	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)	22,35%	Significant efforts needed to meet SDG Target 15.2 (100% by 2020)
	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)	NA	No Data
	Satisfaction with public transport (% satisfied, 2018)	NA	No Data
	Solid waste uncollected or dumped in the open (% of total, 2017)	NA	No Data
	Wastewater receiving primary treatment (% of total)	5,11%	Significant efforts needed to ensure at least full primary treatment
	Urban air pollution (µg/m <sup>3</sup> of PM 2.5 particules, 2016)	10,21 µg/m <sup>3</sup>	Within EU 2020 target (18µg/m <sup>3</sup> ), above WHO guideline (10µg/m <sup>3</sup> )
	Alignment of national DRR strategies to Sendai Framework (0-1 Score)	NA	No Data
Sustainable Energy	Access to electricity (% of population, 2018)	98,89%	Some efforts still needed to meet SDG Target 7.1 of 100% by 2030
	Renewable energy (% of total energy consumption, 2016)	1,98%	Very low share of renewables, low contribution to SDG Target 7.2
	Renewable electricity (% of electricity production, 2015)	5,91%	Very low share of renewables, low contribution to SDG Target 7.2
	Access to clean cooking (% of total population with access, 2016)	59,17%	Further efforts still needed for universal access to clean cooking
	Fossil fuel subsidies (% of GDP, 2015)	NA	No Data
	Energy Intensity (megajoules per constant 2011 PPP GDP, 2017)	3,67 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, 2015)	1,20%	Some 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, 2012)	8,10%	Progress is still needed to meet SDG Target 2.2 of 0% by 2030
	Fertilizer consumption (kg per hectare, 2016)	39,3 kg/ha	Below lowest EU MS value (60 kg/ha in Romania)
	Land degradation (national area with declining productivity 1999-2013)	0,01%	Progress is still needed to meet SDG Target 15.3 of 0% by 2030
	Agriculture and FOLU share of emissions (% of CO <sub>2</sub> eq in 2017)	31,58%	Medium share of emissions - Relevant for climate mitigation
Water & Oceans	Population using at least basic drinking water (% of pop., 2017)	99,91%	Some progress still needed to meet SDG Target 6.1 (100% by 2030)
	Population using at least basic sanitation services (% of pop., 2017)	93,40%	Further progress needed to meet SDG Target 6.2 (100% by 2030)
	Water scarcity (m <sup>3</sup> of renewable freshwater per capita, 2014)	NA	No Data
	Water stress (water withdrawal as % of total available water, 2014)	NA	No Data
	Marine protected areas (% of total marine area, 2020)	0,05%	Significant efforts needed to achieve CBD Target of 10% by 2020
	Fish stocks overexploited or collapsed (% of fish stocks, 2014)	39,81%	SDG Target 14.4 (0% by 2020) not met, significant efforts needed

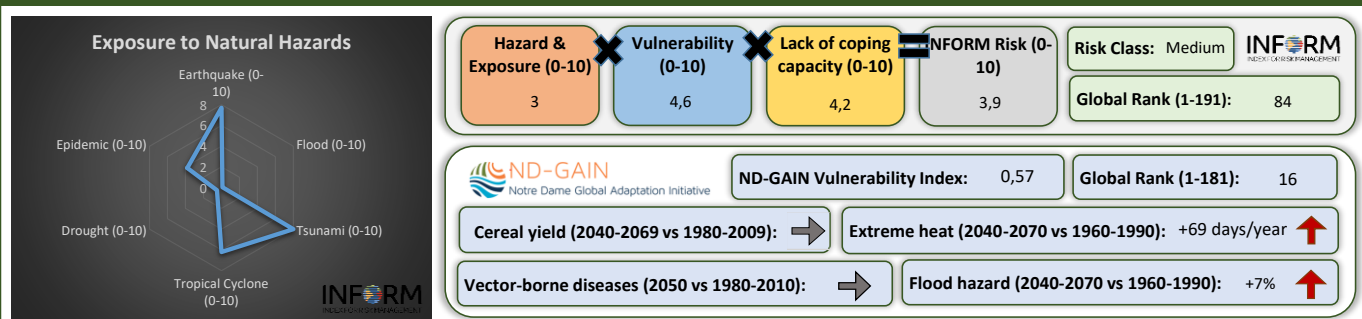
## Greenhouse Gas Emission History (Production-based)



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



## Climate Adaptation Needs



## Environmental Performance Index 2020

2020 EPI Country Rank (out of 180)

82

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

45,1



## SDG Index 2020

(UN SDSN & Bertelsmann Stiftung)



### Legend:

- SDG achieved
- Challenges remain
- Significant challenges remain
- Major challenges remain
- Information unavailable