

Solomon Islands

Transport Climate Profile

Population (2024)
756.7 thousand

Urban population
26%

Below 18 y.o.
47%

Population density
26 persons per sqkm

Rural population
74%

Above 60 y.o.
6%

Subregion
(1) **Pacific**

Gross domestic product
(1) (GDP PPP, 2022)
1.92 billion USD

(1) Domestic consumption per capita, tonnes (2024)
5.8 tonnes

(1,2) *Domestic consumption is the total amount of materials directly used in the economy (used domestic extraction plus imports), minus the materials that are exported.*

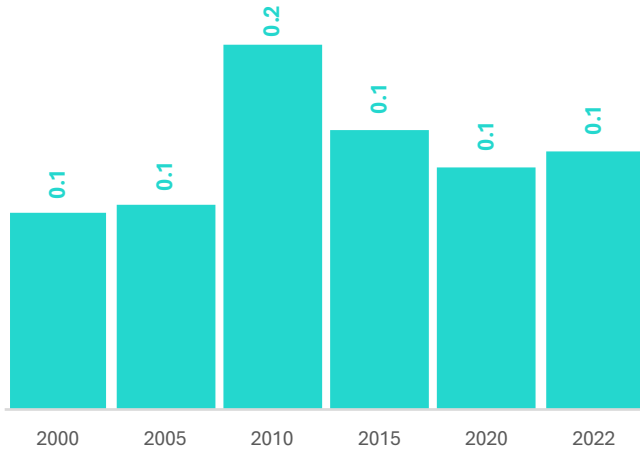
Income class
Low and lower middle income

GDP per capita (PPP, 2022)
2,655 USD (1,2)
(2)

(3)

Transport and Climate Change

Transport fossil CO2 emissions, million tonnes



(4)

In 2010, transport contributed 52.0% of total fossil CO2 emissions. By 2022, transport contributed 42.4%.

Share of transport CO2 emissions by mode (2022)

| Road **86.1%** (4)
| Rail **0.0%**

| Navigation **7.9%** (4)
| Aviation **6.0%**

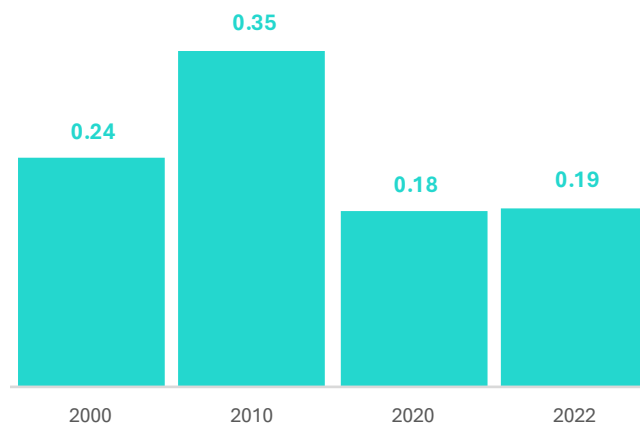
Navigation and aviation only includes domestic transportation

Between 2000-2015, road transport contributed 75.0% in transport fossil CO2 emissions. Between 2016-2022, road transport contributed 84.5%.

Transport CO2 emissions intensity with GDP, 2022
70.1 gCO2 per USD

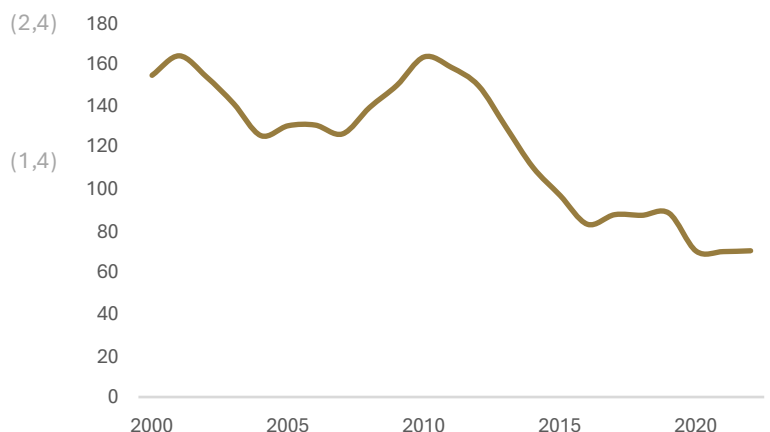
Asia-Pacific average is 33.2 gCO2 per USD

Transport fossil CO2 emissions per capita, tonnes

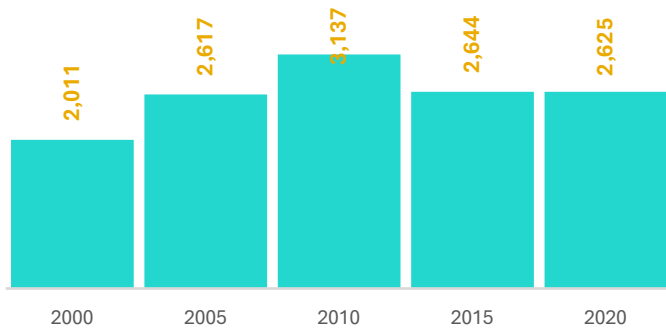


Transport CO2 emissions intensity with GDP trend, gCO2 per USD

(2,4) (1,4)



Transport energy consumption, terajoules

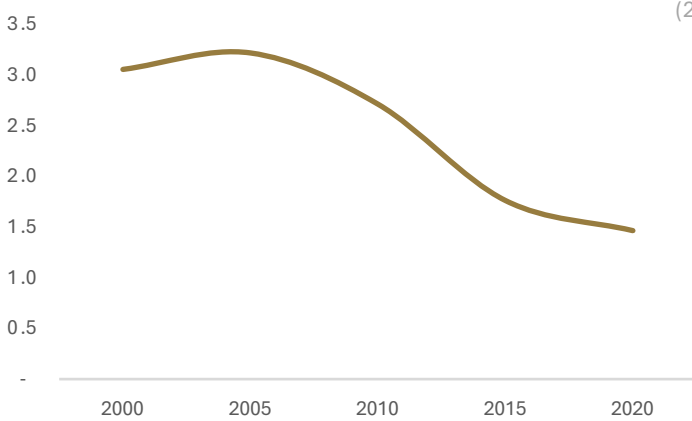


Transport energy intensity with GDP, 2020

1.5 MJ per USD

Asia-Pacific average is 0.5 MJ per USD

Transport energy intensity with GDP trend, MJ per USD

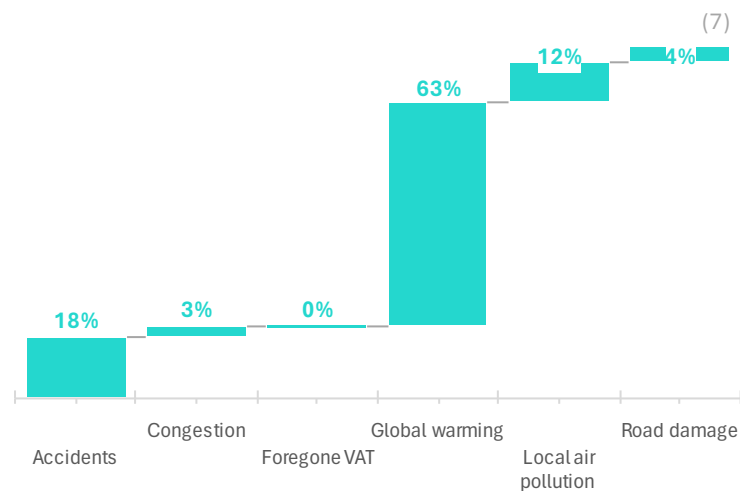


Transport fossil fuel subsidies, cumulative from 2010 to 2022

None

0.0% of Asia-Pacific total

Implicit fossil fuel subsidies due to externalities

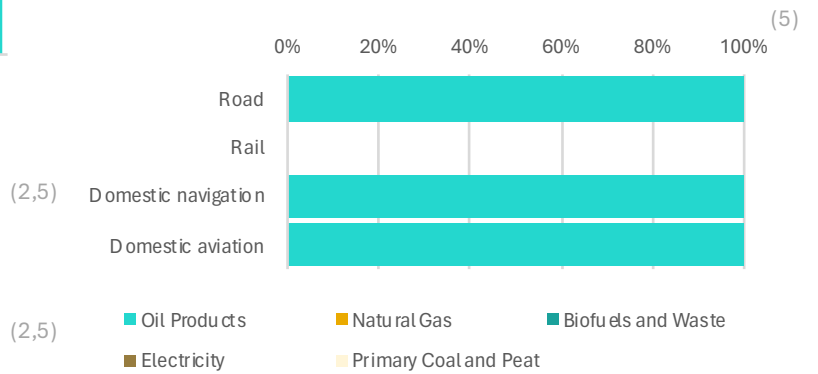


Share of transport energy consumption by mode (2020)



Navigation and aviation only includes domestic transportation

Share of transport energy consumption by source (2020)



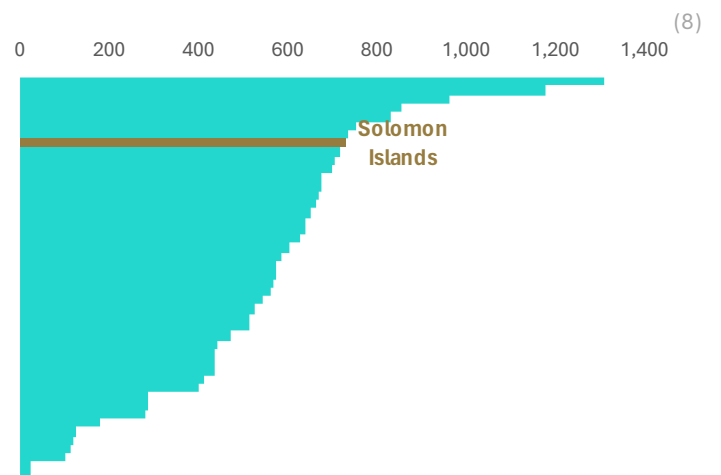
Grid emission factor (2022)

727.3 gCO₂ per kWh

(8)

Grid emission factor trend, gCO₂ per kWh

Grid emission factors in Asia-Pacific, gCO₂ per kWh



Vehicle Fleet

Road vehicles (2023)
n.d.

Road vehicle motorization rate (2023)
n.d.

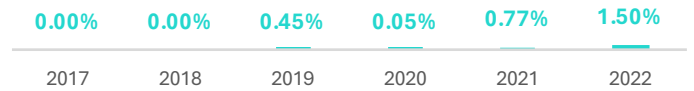
Road vehicles include 2- and 3-wheelers, LDVs, buses and other informal public transport, trucks, and other unclassified types

Electric road vehicle import value (2017-2022)

(9) | Total **700 thousand USD** | Hybrid-electric **298 thousand USD** (11)

(1,9) Electric road vehicle share in total road vehicle import value trend (11)

Share of vehicles by type

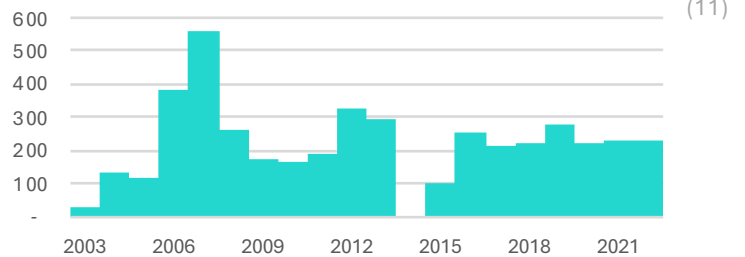


Bus vehicle production, units

Bus import value (2017-2022)

9.8 million USD (11)

(10) Bus import value trend, assuming 2015=100 (11)



Adaptation

Average annual losses to transport infrastructure due to hazards (2023)

0.33 million USD

Share of average annual losses due to hazards, by mode (2022)

Road	Rail
83%	0%
Ports	Airports
15%	2%

National road vulnerability index ranking (2023)

n.d.

Share of population in low elevated coastal zones (2018)

13%

Average annual losses to transport infrastructure due to hazards, as a share of GDP, in Asia-Pacific (2023)

(12) 0.00% 0.10% 0.20% 0.30% 0.40% 0.50% (12)



Developed with the support of:



Urban Transport

Urban rapid transit length (2021)

| BRT **None** | LRT **None**

| Metro **None** (16)

Urban rapid transit ratio in Asia- Pacific, kilometers per million urban population (2021)

Urban rapid transit ratio (2021) **NA** (1,16)

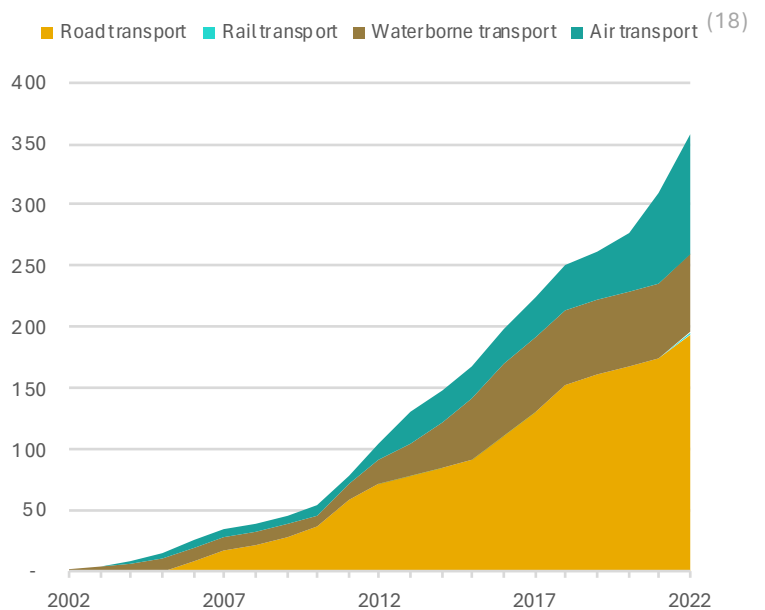
Urban rapid transit ratio, kilometers per million urban population (2000-2021)

Based on 2015 estimates, only 12% of the population could reach the nearest city in 30 minutes, another 3% could reach in 1 hour, and another 6% could reach only after 3 hours.

Transport Investment

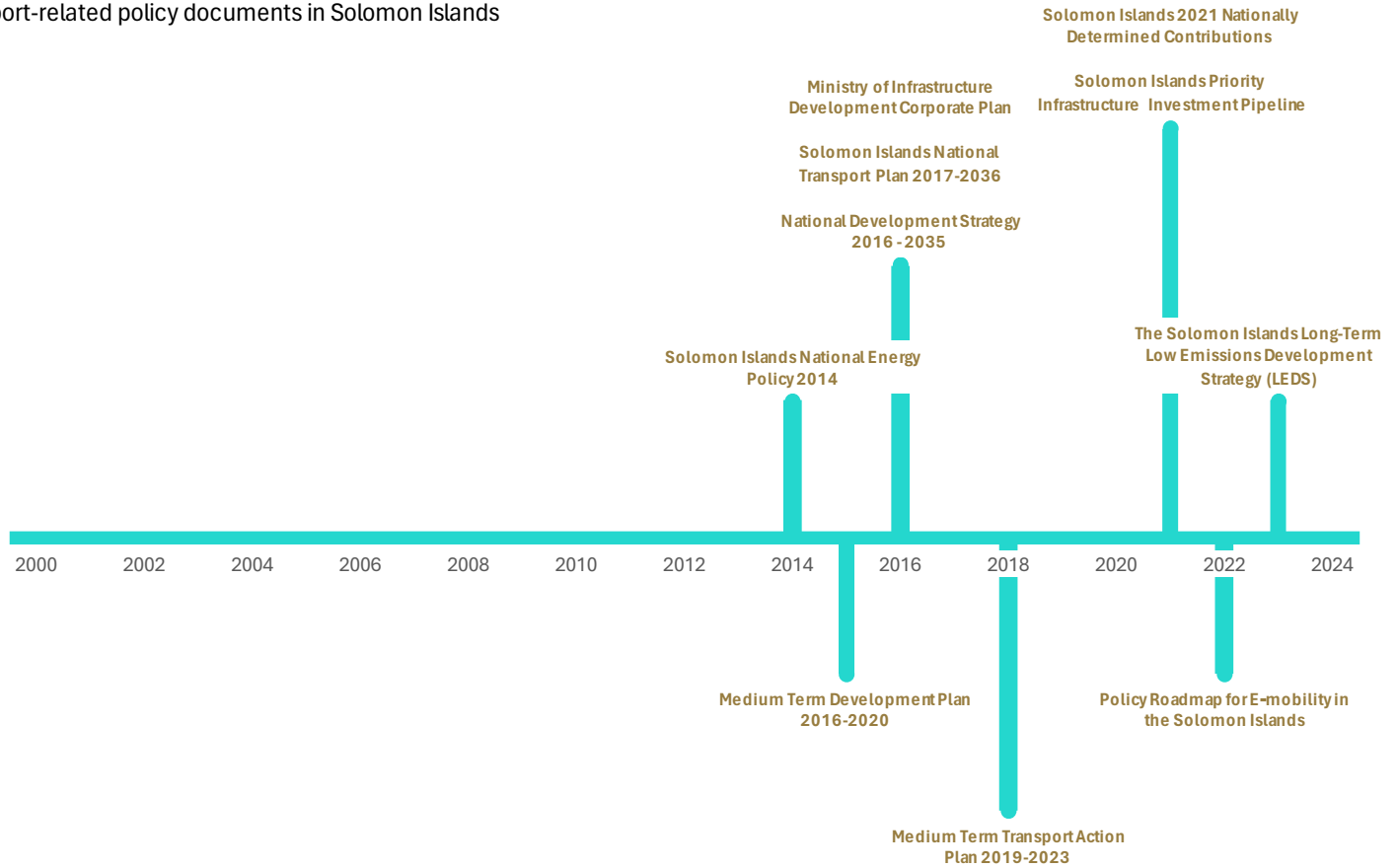
Public-private partnership investments in the transport sector, million USD

Official development assistance in the transport sector, million USD



Transport Climate Policy Documents

Transport-related policy documents in Solomon Islands



Selection made based on the number of climate change mitigation and adaptation

Nationally Determined Contributions

Solomon Islands 2021 Nationally Determined Contributions (adopted in 2021)

	Road transport	Rail transport	Domestic navigation	Domestic aviation	Urban transport
Mitigation measures	Yes				
Mitigation targets					
Adaptation measures	Yes				
Adaptation targets					

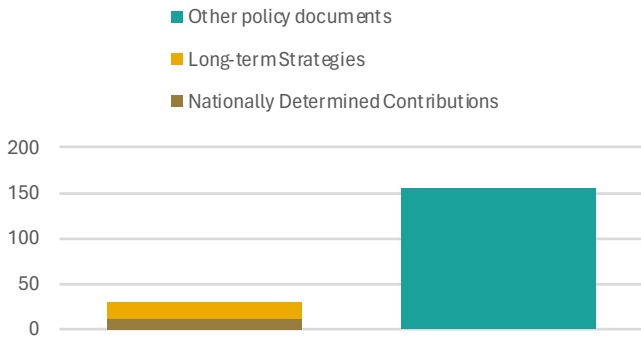
Long-term Strategies

The Solomon Islands Long-Term Low Emissions Development Strategy (LEDS) (adopted in 2023)

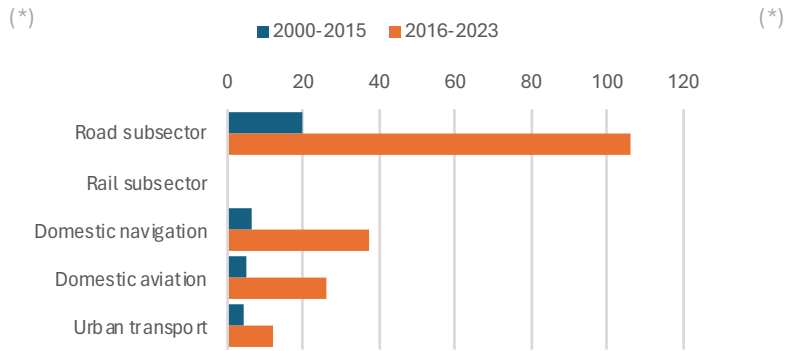
	Road transport	Rail transport	Domestic navigation	Domestic aviation	Urban transport
Mitigation measures	Yes		Yes	Yes	Yes
Mitigation targets	Yes		Yes		
Adaptation measures	Yes		Yes	Yes	
Adaptation targets					

Transport Climate Policy Overview

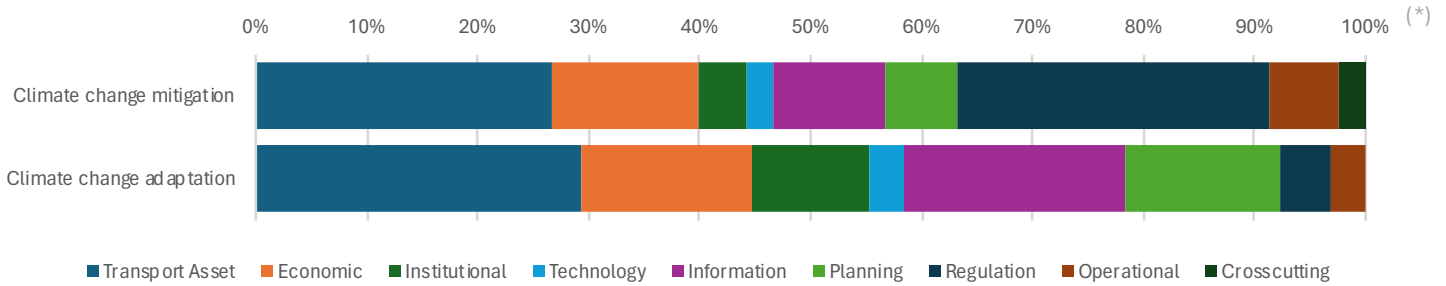
Number of measures by source



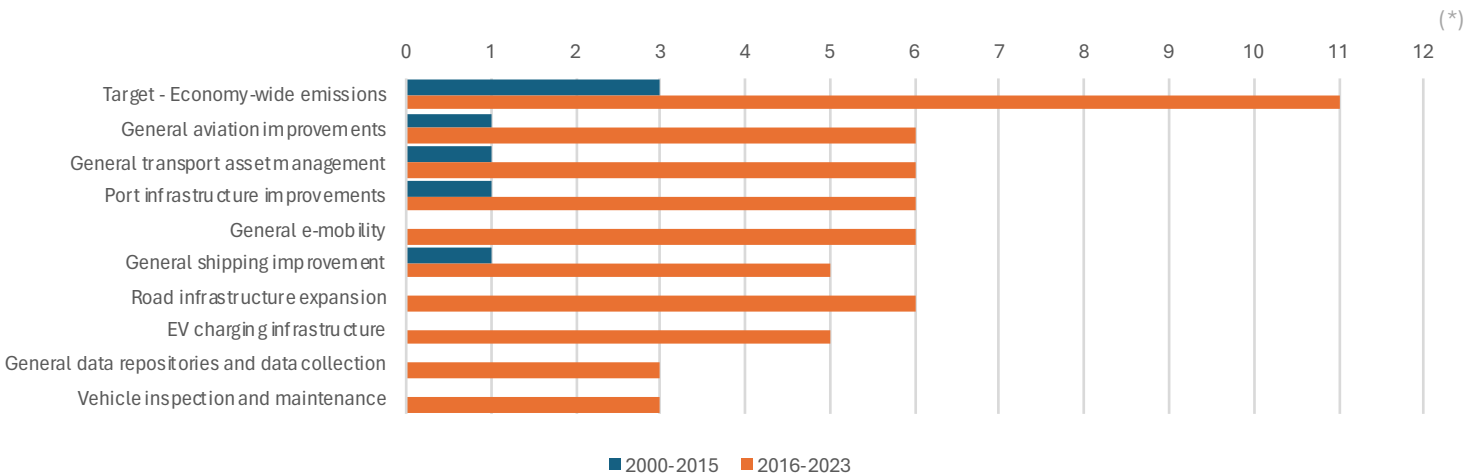
Number of climate change measures by subsectors



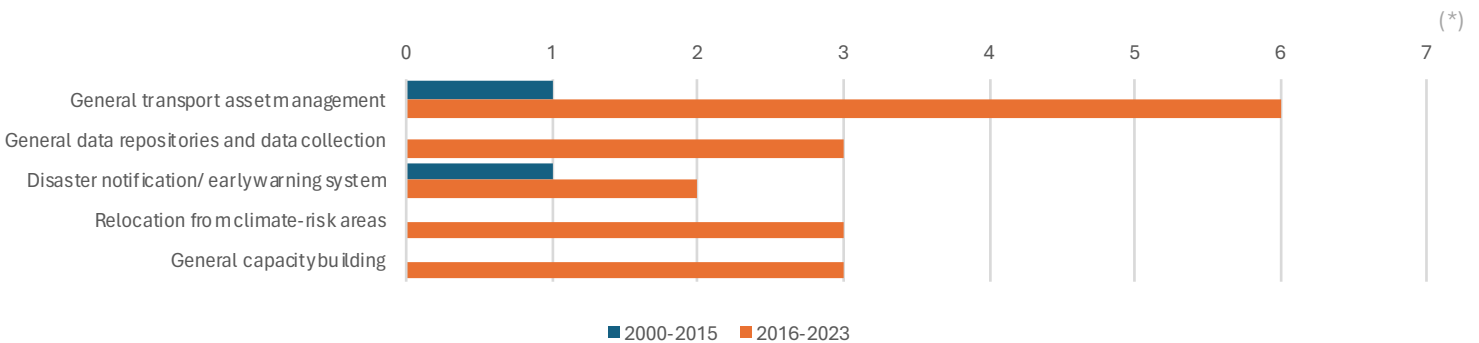
Transport-related climate change by framework



Climate change mitigation top 10 typology, number of measures



Climate change adaptation top 5 typology, number of measures



Climate Change Mitigation Policy Measures - Road Transport

Policy document	Year	Measures
Medium Term Transport Action Plan 2019-2023	2018	Active transport infrastructure expansion, General public transport, Transport asset management funding strategy, Asphalt mix resurfacing, General transport asset management, Investment required for specific projects, Road infrastructure expansion
Second National Communication - SLB	2017	Biofuels, Development of national energy plan/ policy
Solomon Islands National Energy Policy 2014	2014	Development of biofuel plan/policy, Biofuels, General alternative fuels, General public transport, Energy efficient vehicle purchase incentives, General education and behavior change
59 UN Transport Agreements/ and Conventions Serviced by ECE	2021	Customs Convention on the Temporary Importation of Private Road Vehicles 1954
The Solomon Islands Long-Term Low Emissions Development Strategy (LEDS)	2023	Development of e-mobility transport plan/policy, EV charging infrastructure, General e-mobility, Vehicle taxes, Development of transport plan/ policy, Vehicle efficiency standards, Vehicle restrictions (import, age, access, sale, taxation)
National Development Strategy 2016 - 2035	2016	General public transport, General transport asset management, Road infrastructure expansion, Development of transport plan/ policy, Transport law
Policy Roadmap for E-mobility in the Solomon Islands	2022	General data repositories and data collection, Electric vehicle readiness requirements for new or refurbished buildings, EV charging infrastructure, EV manufacturing, Fiscal incentives for EVs and components, Renewable energy, Smart charging, General e-mobility, Vehicle inspection and maintenance, Vehicle scrappage scheme, Fuel tax, Vehicle taxes, General economic instruments, General transport finance, Technology and knowledge transfer, General capacity building, Stakeholder Involvement, General education and behavior change, Vehicle air pollution emission standards, Vehicle restrictions (import, age, access, sale, taxation), Local production, services, contracting etc.
Solomon Islands National Transport Plan 2017-2036	2016	Transport asset management funding strategy, General transport asset management, Investment volume for transport, Reference to finance mechanisms within country, General capacity building, Road infrastructure expansion
Medium Term Development Plan 2016-2020	2015	General infrastructure improvements, Routine transport asset maintenance, Surface treatment resurfacing, General transport asset management
Solomon Islands Priority Infrastructure Investment Pipeline	2021	General infrastructure improvements, General transport asset management, Road infrastructure expansion
Ministry of Infrastructure Development Corporate Plan	2016	Vehicle inspection and maintenance, Transport asset management information system, Transport asset condition assessment, General transport asset management, Reference to finance mechanisms within country, Road infrastructure expansion, Reporting, transparency, feedback mechanism, Stakeholder Involvement, Transport law
Solomon Islands 2021 Nationally Determined Contributions	2021	General transport finance
Global Status Report on Road Safety 2018	2018	National speed law, Local authorities have the power to modify national speed limits
Traffic Act 1996	1996	National speed law, Local authorities have the power to modify national speed limits, Passenger and freight load limits, Road-side checks on overspeeding, Road-side checks on overloading
Solomon Islands National Climate Change Policy 2023-2032	2023	Vehicle efficiency standards
Road Safety Opportunities and Challenges: Low- and Middle-Income Country Profiles	2020	Vehicle inspection and maintenance, Vehicle import inspections

Climate Change Mitigation Targets - Road Transport

Policy document	Target year	Targets
Policy Roadmap for E-mobility in the Solomon Islands	2025	Charging infrastructure target: Slow Chargers 19 Fast Chargers 41
Policy Roadmap for E-mobility in the Solomon Islands	2030	Charging infrastructure target: Slow Chargers 100 Fast Chargers 200
Policy Roadmap for E-mobility in the Solomon Islands	2035	Charging infrastructure target: Slow Chargers 191 Fast Chargers 389
Policy Roadmap for E-mobility in the Solomon Islands	2025	EV sales target: Two-Wheeler 20.0% (5) Three-Wheeler 100.0% (37) Four-Wheeler Personal 20.0% (285) Four-Wheeler Taxi 20.0% (113) Bus (Mini) 20.0% (13) Bus (Standard) 20.0% (3) Truck (Light duty) 5.0% (31) Truck (Medium and Heavy duty) 5.0% (5) Overall sales target (%) 15.7% (492) Overall EV mix (%) 1.2%
Policy Roadmap for E-mobility in the Solomon Islands	2030	EV sales target: Two-Wheeler 70.0% (32) Three-Wheeler 100.0% (53) Four-Wheeler Personal 30.0% (975) Four-Wheeler Taxi 40.0% (477) Bus (Mini) 50.0% (65) Bus (Standard) 50.0% (188) Truck (Light duty) 10.0% (131) Truck (Medium and Heavy duty) 10.0% (23) Overall sales target (%) 28.3% (1944) Overall EV mix (%) 5.3%
Policy Roadmap for E-mobility in the Solomon Islands	2035	EV sales target: Two-Wheeler 100.0% (89) Three-Wheeler 100.0% (58) Four-Wheeler Personal 40.0% (2064) Four-Wheeler Taxi 60.0% (1884) Bus (Mini) 70.0% (161) Bus (Standard) 70.0% (79) Truck (Light duty) 15.0% (326) Truck (Medium and Heavy duty) 15.0% (58) Overall sales target (%) 35.6% (4019) Overall EV mix (%) 12.3%
The Solomon Islands Long-Term Low Emissions Development Strategy (LEDS)	2030	Standards and verification system operational from 2030.

Climate Change Mitigation Policy Measures - Domestic Navigation

Policy document	Year	Measures
Second National Communication - SLB	2017	Development of national energy plan/ policy
National Development Strategy 2016 - 2035	2016	General data repositories and data collection, General public transport, General shipping improvement, Port infrastructure improvements, Development of transport plan/ policy
The Solomon Islands Long-Term Low Emissions Development Strategy (LEDS)	2023	General data repositories and data collection, Port electrification, General shipping improvement, Target - Transport GHG emission, Development of transport plan/ policy
Ministry of Infrastructure Development Corporate Plan	2016	General shipping improvement, Transport asset management information system, Transport asset condition assessment, Reference to finance mechanisms within country, General capacity building, Port infrastructure improvements, Reporting, transparency, feedback mechanism, Stakeholder Involvement, Transport law
Solomon Islands National Transport Plan 2017-2036	2016	General shipping improvement, Investment volume for transport, Reference to finance mechanisms within country, General capacity building, Port infrastructure improvements
Medium Term Development Plan 2016-2020	2015	General infrastructure improvements, General shipping improvement, General transport asset management, Port infrastructure improvements
Solomon Islands Priority Infrastructure Investment Pipeline	2021	General infrastructure improvements, General shipping improvement, Port infrastructure improvements
Medium Term Transport Action Plan 2019-2023	2018	Transport asset management funding strategy, General transport asset management, Investment required for specific projects, Port infrastructure improvements

Climate Change Mitigation Targets - Domestic Navigation

Policy document	Target year	Targets
The Solomon Islands Long-Term Low Emissions Development Strategy (LEDS)	2030	Use of zero emissions vessels and charging infrastructure for domestic shipping.
The Solomon Islands Long-Term Low Emissions Development Strategy (LEDS)	2030	At the Fourth Pacific Regional Energy and Transport Minister's Meeting in 2019, Solomon Islands agreed to work towards reducing GHG emissions from domestic shipping by 40 per cent in 2030 and 100 per cent in 2050, and to adopt Pacific Ports 2030-2050, a vision of Resilient, Green and Clean Ports in the Pacific.

Climate Change Mitigation Policy Measures - Domestic Aviation

Policy document	Year	Measures
National Development Strategy 2016 - 2035	2016	Development of aviation plan/policy, General aviation improvements, Development of transport plan/ policy
Second National Communication - SLB	2017	Development of national energy plan/ policy
The Solomon Islands Long-Term Low Emissions Development Strategy (LEDS)	2023	Development of transport plan/ policy
Medium Term Development Plan 2016-2020	2015	General aviation improvements, General infrastructure improvements, Surface treatment resurfacing, General transport asset management
Medium Term Transport Action Plan 2019-2023	2018	General aviation improvements, Transport asset management funding strategy, Routine transport asset maintenance, General transport asset management, Investment required for specific projects, General transport institutional reform
Ministry of Infrastructure Development Corporate Plan	2016	General aviation improvements, Transport asset management information system, Transport asset condition assessment, Reference to finance mechanisms within country, Reporting, transparency, feedback mechanism, Stakeholder Involvement
Solomon Islands National Transport Plan 2017-2036	2016	General aviation improvements, Investment volume for transport, Reference to finance mechanisms within country, General capacity building
Solomon Islands Priority Infrastructure Investment Pipeline	2021	General aviation improvements, General infrastructure improvements

Climate Change Mitigation Policy Measures - Urban Transport

Policy document	Year	Measures
Medium Term Transport Action Plan 2019-2023	2018	Active transport infrastructure expansion, Port infrastructure improvements, Road infrastructure expansion
National Development Strategy 2016 - 2035	2016	Development of transport plan/ policy
Policy Roadmap for E-mobility in the Solomon Islands	2022	Electric vehicle readiness requirements for new or refurbished buildings, Renewable energy
The Solomon Islands Long-Term Low Emissions Development Strategy (LEDS)	2023	EV charging infrastructure
Medium Term Development Plan 2016-2020	2015	General aviation improvements, General transport asset management, Port infrastructure improvements
Solomon Islands National Transport Plan 2017-2036	2016	General transport asset management
Solomon Islands Priority Infrastructure Investment Pipeline	2021	General transport asset management, Port infrastructure improvements, Road infrastructure expansion
Solomon Islands National Energy Policy 2014	2014	Renewable energy
Ministry of Infrastructure Development Corporate Plan	2016	Stakeholder Involvement

Climate Change Mitigation Targets - Urban Transport

Policy document	Target year	Targets
Solomon Islands National Energy Policy 2014	2030	Increase the use of renewable energy sources for power generation in urban and rural areas to 79% by 2030

Climate Change Adaptation Policy Measures

Policy document	Year	Measures
Solomon Islands 2021 Nationally Determined Contributions	2021	Disaster notification/ early warning system, Relocation from climate-risk areas, General transport finance, Adaptation transport laws, regulations and programmes (Sub-sectors: Road transport)
Medium Term Transport Action Plan 2019-2023	2018	Transport asset management funding strategy, Asphalt mix resurfacing, Routine transport asset maintenance, General transport asset management, Investment required for specific projects, General transport institutional reform (Sub-sectors: Road transport, Domestic Navigation, Domestic Aviation)
The Solomon Islands Long-Term Low Emissions Development Strategy (LEDS)	2023	General data repositories and data collection, Development of e-mobility transport plan/policy, Relocation from climate-risk areas, Development of transport adaptation/ emergency/ disaster plan/ policy, Development of transport plan/ policy (Sub-sectors: Road transport, Domestic Navigation, Domestic Aviation)
Solomon Islands National Climate Change Policy 2023-2032	2023	Development of transport adaptation/ emergency/ disaster plan/ policy (Sub-sectors: NA)
Voluntary National Review 2020 - SLB	2020	Development of transport adaptation/ emergency/ disaster plan/ policy (Sub-sectors: NA)
National Development Strategy 2016 - 2035	2016	General data repositories and data collection, Disaster notification/ early warning system, General transport asset management, Development of transport plan/ policy, Transport law (Sub-sectors: Road transport, Domestic Navigation, Domestic Aviation, Urban transport)
Medium Term Development Plan 2016-2020	2015	Disaster notification/ early warning system, Routine transport asset maintenance, Surface treatment resurfacing, Transport infrastructure resilience, General transport asset management (Sub-sectors: Road transport, Domestic Navigation, Domestic Aviation, Urban transport)
Ministry of Infrastructure Development Corporate Plan	2016	Transport asset management information system, Transport asset condition assessment, General transport asset management, Reference to finance mechanisms within country, General capacity building, Reporting, transparency, feedback mechanism, Stakeholder Involvement, Transport law (Sub-sectors: Road transport, Domestic Navigation, Domestic Aviation, Urban transport)
Policy Roadmap for E-mobility in the Solomon Islands	2022	General data repositories and data collection, General transport finance, Technology and knowledge transfer, General capacity building, Stakeholder Involvement (Sub-sectors: Road transport)
Solomon Islands National Transport Plan 2017-2036	2016	Transport asset management funding strategy, General transport asset management, Investment volume for transport, Reference to finance mechanisms within country, General capacity building (Sub-sectors: Road transport, Domestic Navigation, Domestic Aviation, Urban transport)
Solomon Islands Priority Infrastructure Investment Pipeline	2021	General transport asset management (Sub-sectors: Road transport, Urban transport)
Second National Communication - SLB	2017	Relocation from climate-risk areas (Sub-sectors: Road transport, Domestic Navigation, Domestic Aviation)

Notes



(*) Policy measures and targets were extracted from policy documents as listed in the ATO National Transport Policies Database

<https://bit.ly/ATOpolicyrepository>

References

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- (15) Environmental Vulnerability Indicators (UN, 2018), <https://www.un.org/development/desa/dpad/least-developed-country-category/evi-indicators-ldc.html>
- (16) Rapid Transit Database (ITDP, 2022), <https://www.itdp.org/rapid-transit-database/>
- (17) PPI Database (World Bank, 2023), <https://ppi.worldbank.org/en/ppi>
- (18) Organisation for Economic Co-operation and Development (OECD) (2022), <https://stats.oecd.org/Index.aspx?DataSetCode=CRS1#>

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