

Preliminary national diagnostic for environment statistics

Country: *Fiji*
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Country Background



Fiji comprises of more than 332 islands of which 110 are permanently inhabited. The total land area is about 18,300 square kilometres. The two main islands are Viti Levu and Vanua Levu. These two islands account for 87% of the population of 0.9m. The main industries of the country are Manufacturing, Wholesale & Retail, Tourism, Transport & Storage and Financial & Insurance. We have grown over the years due to the abundance of resources such as forest, mineral and fish.



National vision

- **Vision – “A Better Fiji For All”**
- Green Growth Framework: “ *Restoring the balance in development that is sustainable for our future*”



Guiding principles

- Reducing carbon footprints at all levels.
- Improving resource productivity (doing more with less).
- Move away from ‘sector based’ approach to ‘integrated approach’
- Socio-cultural education of responsible environmental stewardship and civic responsibility.
- Increasing adoption of comprehensive risk management practices
- Increasing adoption of environmental auditing
- Structural reform to encourage fair competition and efficiency.
- Incentivizing investment in efficient use of natural resources.

Policy priorities and policy tools

Sustainable development policy priorities:

- Building resilience to climate change and disasters
 - Waste Management
 - Sustainable Oceans and Islands resource
 - Inclusive social development
 - Food security
 - Freshwater resource and sanitation management
 - Energy Security
 - Sustainable Transportation
 - Technology Innovation and Development
 - Greening tourism and manufacturing industries
- } Environmental priorities
- } Social priorities
- } Economic priorities

Policy priorities and policy tools

Policy Tools

FRAMEWORKS

- Green Growth framework
- Pacific disaster, risk reduction and disaster management framework

POLICIES

- National climate change policy
- National Liquid Trade Waste Policy 2013
- Rural Water and Sanitation Policy
- Groundwater Resources Exploitation and Management Policy
- Revised National Energy Policy 2014-2020

STRATEGIES

- National Air Pollution Control Strategy 2007
- The National Solid Waste Management Strategy 2011-2014
- Tuna Management Plan 2002

DECREES

- The Litter Decree was amended in 2010
- Offshore Fisheries Management Decree 2012
- Draft Fisheries Aquaculture Decree
- Draft Inshore Fisheries Management Decree
- Water Resource Management Decree
- Commerce Commission Decree 2010;

ACTS

- Public Enterprise Act (1996);
- The Public Health Act
- Electricity Act (Cap.180); Land Transport Act (1998);
- Environmental Management Act (2005); Hotels Aid Act (1999);
- Public Private Partnership Act (2006); Petroleum (Exploration and Exploitation) Act (Cap.148);
- Petroleum Act (Cap 190);
- Fuel and Power Emergency Act (Cap 191);
- Land Conservation and Improvement Act (Cap.141);
- Native Land Trust Act (Cap.134) and Crowns Land Act (Cap.132);
- State Acquisition of Lands Act (Cap.135);
- Marine Act.

[SOURCE: *Green Growth Framework*]



Institutions

STAKEHOLDERS

Supporters & Users:

Ministry of Economy -Strategic Planning Office (Climate Change Unit), Finance Department, Fiji Bureau of Statistics

Users:

Ministry of Industry, Trade and Tourism, Department of Environment (Reporting Purposes), Donor agencies, Public, Researchers.

Data Providers (Source):

Department of Environment

Ministry of Agriculture

Department of Fisheries

Department of Forestry

Department of Lands

Department of Minerals and Resources

Department of Water and Sewerage

Department of Meteorology

Department of Energy

I'Taukei Lands Trust Board (Native Land Trust Board)

Water Authority of Fiji

Fiji Electricity Authority



Institutions

INSTITUTIONAL MECHANISMS:

- Strategic Planning Office – Monitoring and Evaluation of projects and programs through their four divisions
 - i.) Macro Planning and Policy
 - ii.) Good Governance Division
 - iii.) Human Resources Planning Division
 - iv.) Sectoral/Regional and Project Planning & Evaluation Unit
- Department of Environment – promote sustainable use and development of Fiji's environment and efficient implementation of policies, legislations and programs; to fulfill Fiji's obligation under regional and international environment related conventions and treaties.
- ALL WORK DONE IN ISOLATION - SILOs



Institutions

ROLE OF NSO:

- Collect, collate, analyze and present
- Providing accurate, relevant and timely statistics
- Providing information over a period time
- Creating awareness on the importance of collaboration
- Co-ordinate a working group of environmental



Knowledge

Key documents and data sources:

State of Environment Report 2014 – draft copy

- Compiled by Department of Environment
- To be endorsed by cabinet

FIJI National Solid Waste Management Strategy 2011-2014

- Compiled by the Department of Environment
- In circulation

National Solid Waste Management Strategy and Action Plan 2006-2010

- compiled by the Government of Fiji (Department of Environment) with the support of SPREP

Republic of Fiji: Second National Communication

to the United Nations Framework Convention on Climate Change

- Compiled by Fiji Ministry of Foreign Affairs and International Corporation in conjunction with different stakeholders i.e. Climate Change Unit in the Strategic Planning Office
- Published in 2013
- Contains information on greenhouse gas emissions inventory 2004 (data availability in 2000), ways to mitigate and adapt to climate change



Knowledge

Key Statistics

- Compiled by Fiji Bureau of Statistics
- Compiled Quarterly & Annually
- Contains information on Socio economic situation of Fiji
- Latest available publication: December 2015
- Available online : www.statsfiji.gov.fj

Establishment Surveys

- Industrial sectors financial information i.e. value added and intermediate consumption
- Compiled annually
- Latest publication 2013

Agricultural Census Report 2009

- Compiled by Ministry of Agriculture
- Every 10 years
- Contains information on land use, irrigation, crop and animals, agricultural commodities



Knowledge

Fiji Electricity Authority Annual Report

- Compiled by FEA
- Contains info on power sources and generation , distribution and consumption by customer and region
- Compiled Annually
- Latest Publication: 2015

Pacific Possible: Climate and Disaster Resilience Report 2016

- Compiled by World Bank
- Contains quantities on potential costs of climate adaption for PICs and targets ways in which decision makers can manage vulnerability and build resilience.
- First in a series of publications



Existing compilations

THE SEEA CENTRAL FRAMEWORK

- Identified priority areas via stakeholder consultations
- Recent mission with SEEA experts
- Compiling flow accounts for Water – metered water
- Compiling flow accounts for Energy – electricity and fuel
- Still in progress – no publications yet
- Planned: Waste and Land Cover /Land Use Account
- Long Term: Ecosystem Accounting together with Department of Environment



Context

OTHER STATISTICAL DEVELOPMENT ACTIVITIES

NATIONAL:

- Fiji Land Information System
- National Strategy for the development of Statistics
- SNA 2008 Implementation Strategy
- Reporting on SDG's



Context

OTHER STATISTICAL DEVELOPMENT ACTIVITIES INTERNATIONAL:

- **Bio Fin Initiative** – started in 2014. Focused on 7 thematic area
 - 1.) Forest Conservation
 - 2.) Invasive Species
 - 3.) Inshore Fisheries
 - 4.) Coastal development
 - 5.) Species Conservation
 - 6.) Protected Areas
 - 7.) Inland Waters
- **Fiji National REDD+ Policy** – reduce greenhouse emissions, strengthen socio economic status of forest resource owners and protect forest ecosystems
- **Waste Management (JICA & J-Prism)** - 5 year project on solid waste management implementation in Pacific Island Countries.



Priorities

Priority Accounts

- Water Account
- Energy Account
- Land Account
- Waste Account
- Ecosystems Account



Constraints

FEASIBILITY

Ready to Test

Accounts – Water & Energy

Constraints:

Water – lack of information on other sources of water

Energy – volume information from major oil companies on consumption

Hence only parts of these accounts will be focused on:

Water will be mostly metred water since this information is readily available

Energy will be electricity generation and consumption



Constraints

Need Capacity Building / Data Development/ Institutional Coordination, Financing:

Accounts: Land Cover/ Land Use Accounts, Ecosystems, Waste

Constraints:

- Skills and knowledge
- Human resource (man power)
- Interdepartmental coordination with FLIS team
- Technical expertise and awareness
- Need more data from waste companies
- Continuity of information – one off studies



Opportunities

Priority Actions:

Accounts: Energy – fuel data

Action: Inclusion of Department of Energy Template in Establishment Questionnaires for the oil companies

Accounts: Waste

Action: Coordinate with the correct data custodians

Accounts: Land Use/ Land Cover

Actions: collaboration and involvement in working groups and workshops of data custodians. Creating awareness of the data available and how it can be used for environmental monitoring

Vinaka ☺

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