

State Of Environment

Paul Anderson

Inform project manager

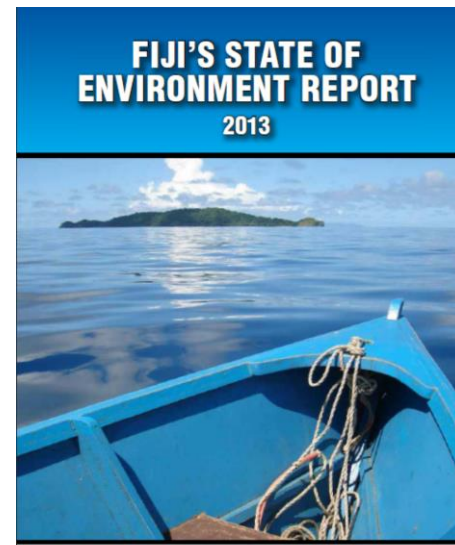
SOE - Context

- Round of regional SOEs done in early 1990s
- Some countries have continued the process over the past 25 years. Others.. Not



Current SOE status in the Pacific

- Current in the last 5 years- Samoa, Fiji, Cooks, Niue, RMI.. Palau
- In progress- FSM, Solomon Islands, Tonga
- Planned early 2019 – PNG, Kiribati, Samoa, Fiji
- Planned- Vanuatu, Tuvalu, Nauru



7 Thematic Areas

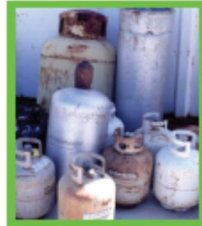
NO	THEMATIC CONTENT	THEMATIC LEAD
1	Atmosphere and Climate	Office of the Environmental Planning and Policy Coordination (OEPPC) and Environmental Protection Authority (EPA)
2	Land	Ministry of Resources and Development (MRD)
3	Marine (Inshore and offshore)	Marshall Islands Marine Resources Authority (MIMRA)
4	Biodiversity	Office of the Environmental Planning and Policy Coordination (OEPPC) and Environmental Protection Authority (EPA)
5	Culture and Heritage	Ministry of Internal Affairs
6	Built Environment	Ministry of Resources and Development (MRD) Ministry of Public Works (MOPW) Marshalls Energy Company (MEC) Majuro Water and Sewer Company (MWSC) Majuro Atoll Waste Company (MAWC)
7	Nuclear Legacy	Ministry of Foreign Affairs The 4 Atolls local governments

Theme 1: Atmosphere and Climate

ATMOSPHERE AND CLIMATE – OZONE DEPLETING SUBSTANCES

Stratospheric ozone is naturally generated at high altitudes (15–50km) above the earth's atmosphere and has a role to play in the global effort to combat climate change. RMI became a Party to the 1995 Vienna Convention on the Protection of the Ozone Layer, the 1987 Montreal Protocol on Substances that Deplete the Ozone Layer and the 1990 London Amendment, on 11 March 1993. It became a party to the 1992 Copenhagen Amendment on 24 May 1993. Accordingly, it is required to control the consumption of chlorofluorocarbons (CFCs), halons, methyl chloroform (1,1,1-trichloroethane), carbon tetrachloride, hydrochlorofluorocarbons (HCFCs), hydrobromofluorocarbons (HBFCs), "other halogenated CFCs" and methyl bromide at this time.

RMI is not a party to the 1997 Montreal Amendment or the 1999 Beijing Amendment to the Montreal Protocol. It is considering ratification of these amendments and is classified as operating under Article 5 of the Montreal Protocol – as such it is entitled to assistance from the Multilateral Fund to comply with its obligations (RMI ODS action plan).



Status:
Good
Trend:
Improving
Data confidence:
Medium

Status: Good Trend: Improving Data Confidence: Medium

Only three types of ozone depleting substances are known to have been imported into RMI in bulk form: (CFCs) and (HCFCs) which are used for refrigeration and air-conditioning, and methyl bromide used for quarantine fumigation. Other than the use of methyl bromide for fumigation, consumption of ODS in RMI is exclusively in the refrigeration and air conditioning sector.

According to the data submitted to the Ozone Secretariat, RMI must freeze its consumption of CFCs at 1.16 ODP tonnes from 1 July 1999. According to the same data, by 2000 RMI had reduced imports of CFCs to 0.53 ODP tonnes (Figure 48). It is therefore in full compliance with its obligations (RMI ODS action plan). As of 2004, RMI has banned CFCs and has committed to phasing out HCFCs by 2030 as part of the Montreal and Vienna protocols (Ozone Layer Regulation 2004) (Figure 49 and 50).

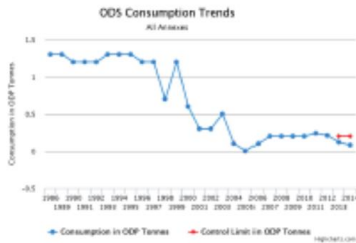


FIGURE 48. Marshall Islands ODS consumption (UNEP Data Center).

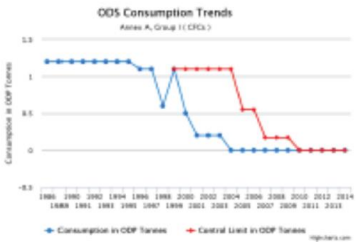


FIGURE 49. Marshall Islands CFCs consumption (UNEP Data Center).

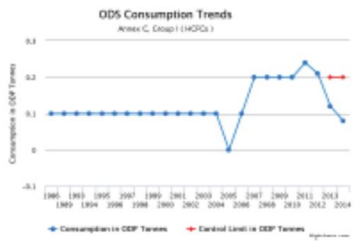
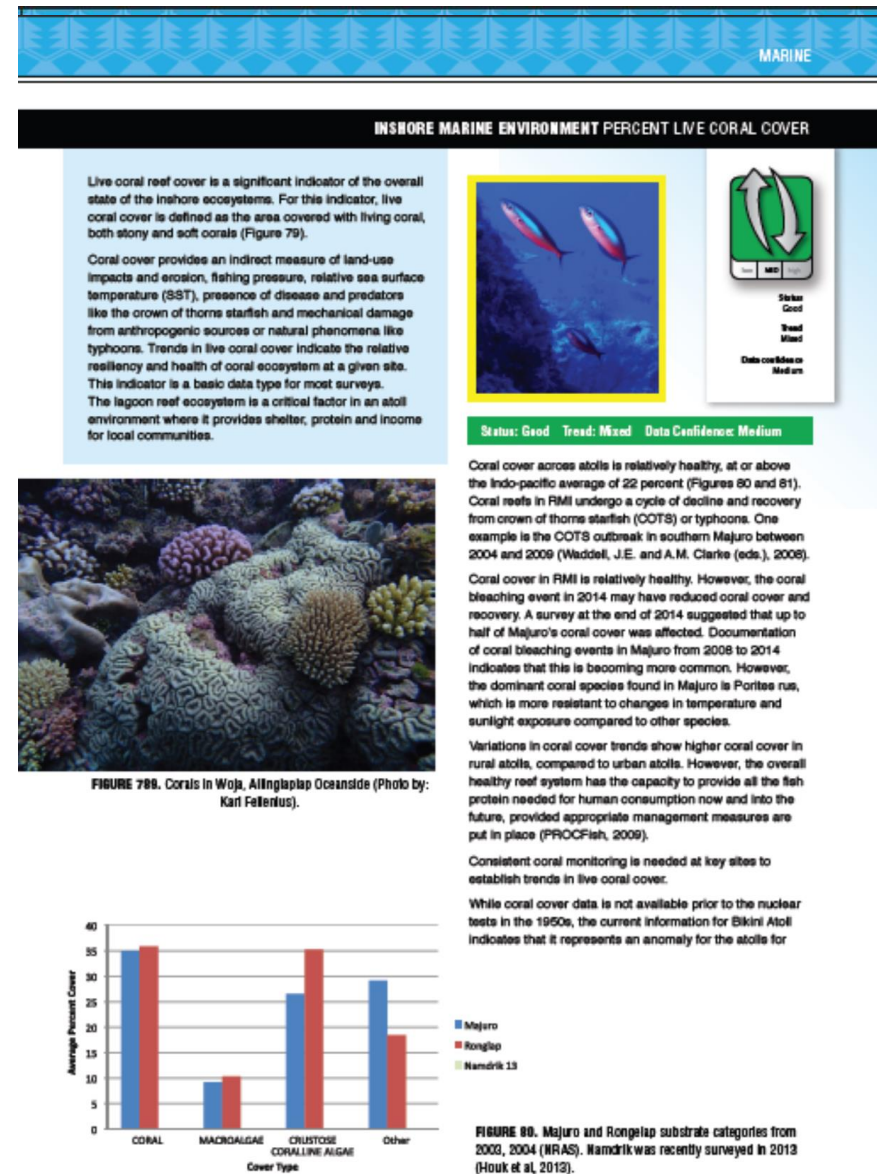


FIGURE 50. Marshall Islands HCFCs consumption (UNEP Data Center).

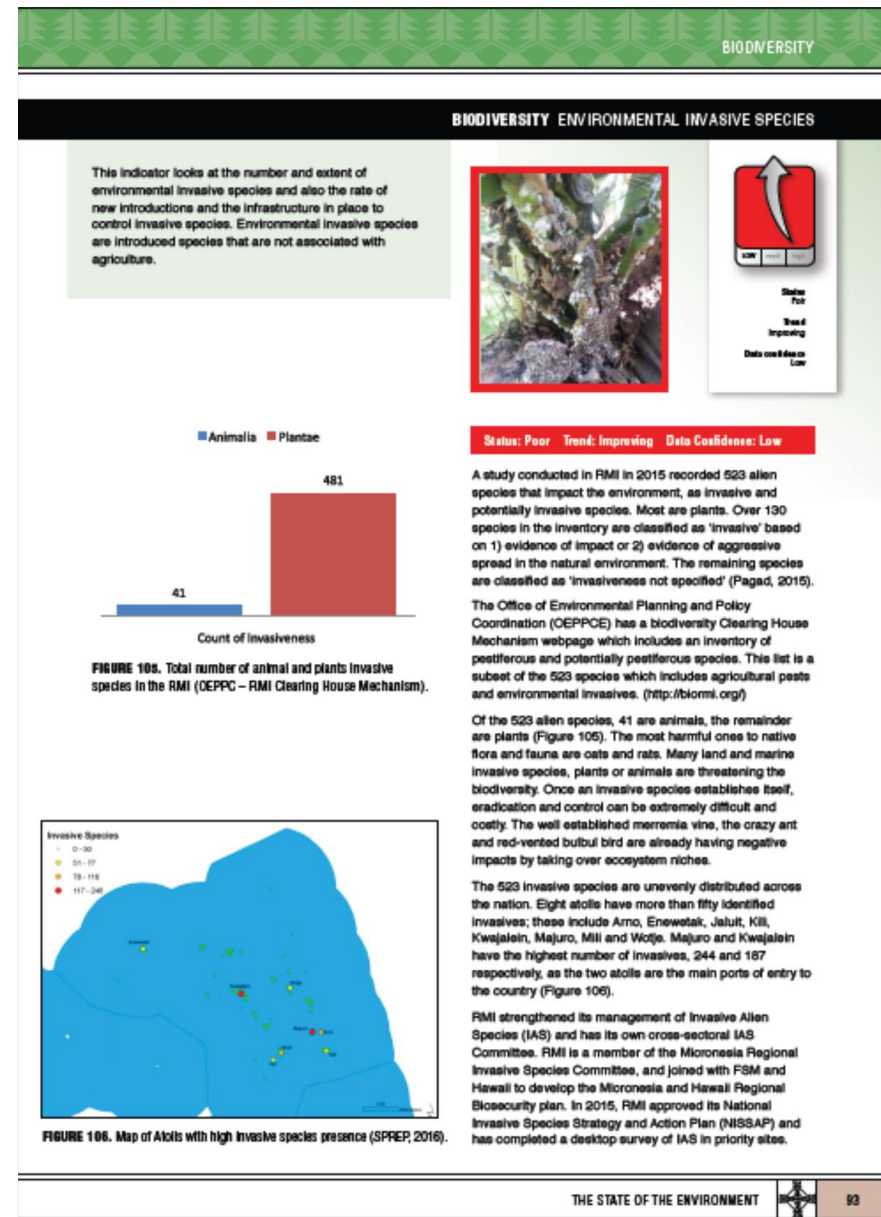
Theme 2: Land



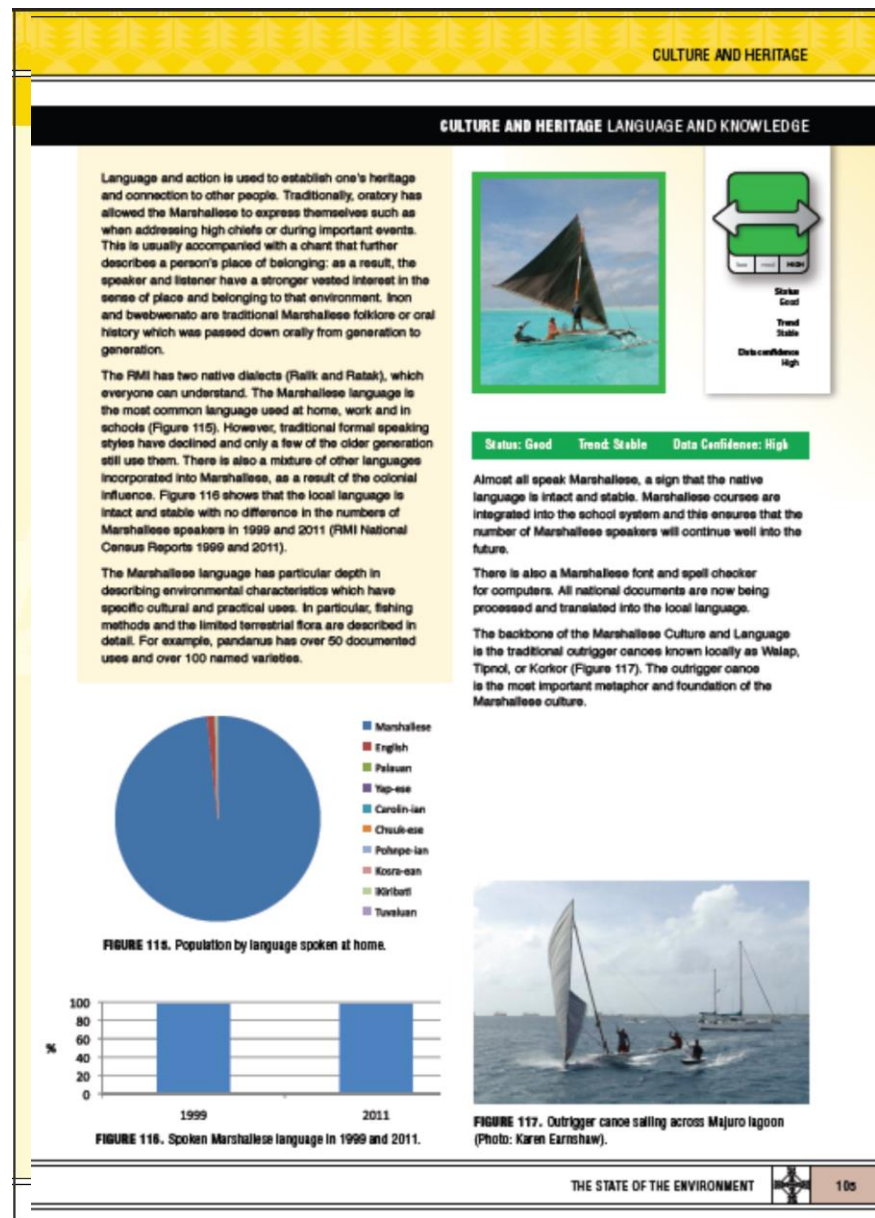
Theme 3: Marine



Theme 4: Biodiversity



Theme 5: Culture and Heritage

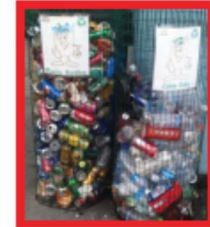


Theme 6: Built Environment

HAZARDOUS WASTE HOSPITAL, HOUSEHOLD AND WHITE GOODS WASTE

Hazardous waste consists of solid, gas or liquids that contain elements that pose a significant risk to public health or the environment. Effective transport, storage and end-of-life management of hazardous waste is extremely critical to preventing disease bearing materials and toxic chemicals from entering the environment. For the purpose of this indicator, hazardous waste includes:

- E-waste (electronic waste): from disposed computers, phones and other electronics containing heavy metals or other toxins.
- Bulky items and white goods: such as cars, tires and refrigerators that are difficult to dispose of and/or contain hazardous chemicals.
- Health Care Waste: including needles (sharps), bottles, blood and body tissues and materials that have come into contact with them. These items carry a significant health risk to anyone exposed.
- Asbestos: a fibrous, fire-proof building material used in the mid to late 1900's in roofs, paint, walls, stucco and other materials. Fibres released during handling and destruction of materials cause asbestosis, a serious lung disease. (RMI has no or a very small amount of asbestos).
- Batteries: Including car, boat and other engine batteries, as well as batteries from electronic devices.
- Other household toxins: including solvents, paints, pesticides and other household chemicals.



Status: Poor Trend: Improving Data Confidence: Low

E-waste, white goods, batteries, household chemicals and bulky waste such as cars are collected as general waste and taken to Majuro landfill. While there is no separation of the waste at the source, some hazardous wastes are separated at the landfill, including batteries, white goods and computers. There has been an increase in TVs, stoves, phones, air conditioning units and computers over the past decade (Figure 136).

According to Pattie Delamoe Partners Ltd (PDR, 2015), there is limited data on toxic waste, but it is believed that chemical and hazardous wastes are being illegally dumped in RMI. It is an EPA arrangement that all waste oil generated in Majuro is received by the Majuro Energy Company. This is used in power generating by burning to produce electricity.

Health care waste is handled by Island Supplies International (ISI) who runs the incineration plant for hospital waste. The ash is buried in multiple cement lined pits at the incineration site; however financial support is required to continue outsourcing treatment to ISI (PacWaste Baseline report). No health care waste is dumped at the landfill. However sharps medical tools are disposed of in a SteriMed 70 healthcare waste processor, while other health care waste in Ebeye, including pharmaceuticals, pathological and anatomical waste, is disposed of in an unlined landfill open to scavengers. There is little asbestos in RMI, the only notable amount is in water pipes and poses a small threat while buried in place (PACWASTE 2015).

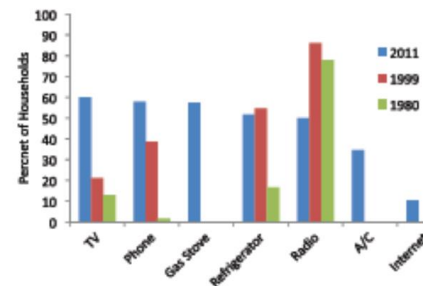
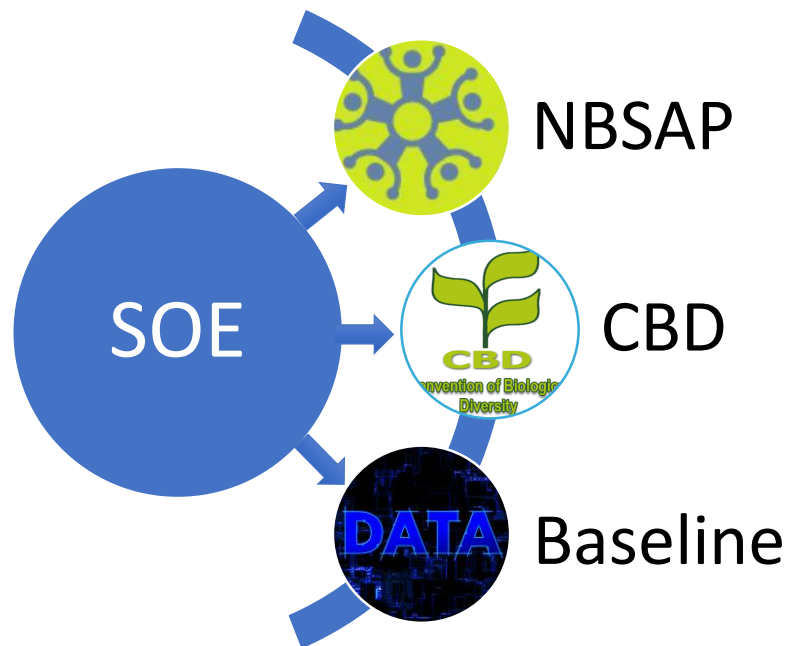


FIGURE 136. Percentage of households with appliances (Marshall Islands Census 1987, 1999, 2011).

Regional and Global reporting Links

- National state and status is the focus
- MEAs, SDGs, S.A.M.O.A Pathway



Links to Environmental Data Management

- SOEs require data and information
- The Inform project has used the SOE process to gather data to populate the data portals



Inform Regional Data Portal

Environmental Information for Decision Making

Datasets About Groups Stories Dashboards Topics ▼



Atmosphere and
Climate



Land



Biodiversity



Built Environment



Inland Waters

Knowledge Café

- Knowledge café style session to facilitate sharing of experiences on SoE and MEA reporting.

Directions Knowledge Café

- Four Groups
 - Lead by – Samoa, Cooks, RMI, Niue
- First round - 20 minutes
- Second round - 20 minutes
- Wrap up in plenary – 10 minutes

Broad discussion topics

- Experience in preparing SoE reports which includes the SoE formulation process, approval and implementation
- Role of the SoE reporting process as the basis for sector and national level reporting including reporting to regional and international commitments such as MEAs, SDGs and SAMOA Pathway?
- Has your country established a national environmental portal and how has it been used to support planning, reporting decision making?

Thank you