



PacWaste

PACIFIC HAZARDOUS WASTE MANAGEMENT



SPREP
PROE



EUROPEAN UNION

EDF 10 Pacific Hazardous Waste (PacWaste) Project

- €7.85 M SPREP administered project
- 5 years (2013-2018), 15 Countries - 14 Pacific Islands plus Timor Leste
- To improve hazardous waste management across the Pacific (asbestos, E-waste, medical waste) + atoll waste pilot

Healthcare Waste

- Baseline studies completed at 42 hospitals (13 countries)
- healthcare waste training completed for 42 hospitals
- 26 Incinerators delivered, 23 installed and commissioned
- Remainder to be installed under PacWaste Plus (includes non-operational incinerators)



Asbestos

- Baseline surveys completed in 13 countries (26 islands)
- Asbestos removal in 11 countries (73 prioritised locations) completed
- Emergency clean-ups in 4 locations completed with country level training



E-waste

- Baseline surveys in 9 countries
- Pilot project launched in 7 countries (ULAB/e-scrap recovery)
- Recycling networks initiated – shipment of ULAB to Korea in 2017



Atoll waste management

- Atoll baseline study completed (RMI)
- Pre-paid bag implementation
- Green waste and scrap metal diversion
- Waste finance introduced (CDL/ULAB buyback)



Disaster Waste

- Pilot projects launched in 3 countries (Fiji, Vanuatu and Tuvalu)
- Established the ground work for a regional disaster waste programme



Knowledge transfer

- Twinning initiatives
- Training – HCW, Asbestos
- Major contributor to enhance regional collaboration in the Pacific (Inaugural Clean Pacific Roundtable with JICA)
- Exchanges of best practices (Pacific to Pacific)
- Five Steering Committees (Kiribati, RMI, Vanuatu, Samoa)
- Awareness raising – campaigns and various media products (fact sheets, posters, country profiles, etc)

Outstanding work from PacWaste

1. Healthcare waste

- Healthcare waste training
- Incinerators – repairs and installations
- Review the issues that have arisen with some types of incinerators deployed

2. Asbestos

- Niue Asbestos Project
- Continue the roll-out under PacWaste Plus

3. E-waste

- Challenge is to move from collection to sale (review)

Evaluation

- Worthwhile and highly relevant project with overall positive and beneficial results
- The lessons from the findings and conclusions strongly supported the continuation and expansion of the topic under EDF 11

Key Recommendations

- Tailored, sustainable and innovative solutions
- Priority waste streams focus
- Increased emphasis on capacity building and a move to purposeful and competency based/certified training
- Stronger national cooperation among stakeholders; more active national oversight roles and involvement in projects

Mid Term Evaluation 2017 – Lesson Learned & Recommendations

Strategy and focus

1. **Tailoring solutions** to countries' needs
2. Maintaining and building on **regional links and networks** created will be essential for a successful EDF11
3. Focus on the stated **priority waste streams**, including asbestos, HCW and e-waste; also disaster, wastewater, bulky and other waste

Mid Term Evaluation 2017 – Lesson Learned & Recommendations

Strategy and focus (cont.)

4. Focusing on assisting to develop /enhance **effective legislative waste management framework**, since it is essential to achieve sustainability
5. **Continued efforts in asbestos removal**, assessing the significance of water pipe and other ACM waste not included in PacWaste
6. Increased **emphasis on disaster waste**
7. Developing **optimal tailored solutions for managing e-waste** and other wastes: requires government support, appropriate regulation and instruments and stakeholder support

Mid Term Evaluation 2017 – Lesson Learned & Recommendations

Strategy and focus (cont.)

8. Increased **emphasis on capacity building** including:

- **asbestos**: public awareness and training for local competent authorities staff, contractors; but removal work should be under the supervision of external licensed persons until local capacity and regulation is developed;
- **E-waste**: public awareness and training in handling and management;
- **move from ad hoc to purposeful and competency based/certified training**;
- emphasis on **train the trainer** and training hubs for increased efficiency of resources and enhanced sustainability;
- **stronger involvement of the Academia** and vocational systems

Mid Term Evaluation 2017 – Lesson Learned & Recommendations

Organisation and resources

9. **Sustainable financing** to ensure initiatives are sustainable
10. Continue **good donor collaboration** at regional and national levels; maintain and develop networks
11. Ensuring **sufficient resources** for an appropriately qualified, skilled and supported project team