



## CALL FOR EXPRESSION OF INTEREST

### for potential in-country used oil refinery and processing systems for Pacific Islands

#### 1. BACKGROUND

##### 1.1. SPREP Presentation

The Secretariat of the Pacific Region Environment Programme (SPREP) is the regional organisation established by the Governments and Administrations of the Pacific charged with protecting and managing the environment and natural resources of the Pacific. The head office is based in Apia, Samoa with over 100 staff. The establishment of SPREP sends a clear signal to the global community of the deep commitment of Pacific Island Governments and Administrations for better management of the environment within the context of sustainable development.

SPREP's mandate is to promote cooperation in the Pacific region and provide assistance to Pacific Island countries and territories in order to protect and improve its environment and to ensure sustainable development for present and future generations.

##### Members

SPREP has 21 Pacific island member countries and territories:

- American Samoa
- Cook Islands
- Federated States of Micronesia
- Fiji
- French Polynesia
- Guam
- Kiribati
- Marshall Islands
- Nauru
- New Caledonia
- Niue
- Northern Marianas
- Palau
- Papua New Guinea
- Samoa
- Solomon Islands
- Tokelau
- Tonga
- Tuvalu
- Vanuatu
- Wallis & Futuna

and 5 'metropolitan' member countries:

- Australia,
- France,
- New Zealand,
- United Kingdom and the United States of America;
- with direct interests in the region.

##### 1.2. SWAP project presentation

Pacific Island Countries and Territories (PICTs) offer some of the richest areas of biodiversity on the planet. These areas, and their island communities, are under increasing pressure from development and growing human population, and the social and economic pressures associated with this growth.

Increased populations and urbanisation have led to increased product importation, production, and waste generation. Much of the waste generated through these imported products cannot economically be managed due to issues of small and isolated populations; economic volatility; geographical isolation from large economies; limited institutional, financial and human capacity; and inadequacy of infrastructure to capture and process waste



materials. Poor waste management poses risks to the economies of PICTs, as most rely heavily on clean environments for agricultural activities and a vibrant tourism industry, therefore polluted and degraded environments pose a significant threat to PICTs.

The Project funded by the Agence française de Développement (AFD), referred to hereafter as “Committing to Sustainable Waste Actions in the Pacific (SWAP)”, aims to improve sanitation, environmental, social, and economic conditions in Pacific Island countries and territories through proper waste management. To achieve this, the project will focus on three streams of wastes: used oil, marine debris, disaster wastes and an overarching issue on sustainable financing mechanisms.

Eight countries and territories will benefit from this project which include Fiji, French Polynesia, New Caledonia, Samoa, Solomon Islands, Tonga, Vanuatu, and Wallis and Futuna.

The objective of this project is to strengthen communities and local authorities’ capacity in the areas of technical waste management, institutional governance, and finance through several activities:

- a) The development and delivery of a regional vocational training program in collaboration with regional partners;
- b) The implementation of pilot projects; and
- c) The development and delivery of tools for a sharing of good practices through a Community of Practice for PICTs including French OCTs.

## 2. USED OIL MANGAMENT ISSUE IN THE PACIFIC REGION

A number of Pacific Island Countries (PICs) are facing the growing problem of waste oil stockpiles. Used oil includes, but is not restricted to, used engine oils, transmission fluids, refrigeration oils, compressor oils, metalworking fluids and oils, electrical insulating oil and hydraulic fluids. Used oil may contain several compounds which are harmful to human health and the environment.

But PICs are faced with limited viable options for their recycling in-country or exporting to recycling markets, due to:

- Economic constraints, including economies of scale (as the small size of Pacific PICs can limit options for economical recovery operations);
- Geographic spread and isolation within and between countries;
- Variable quantities and qualities of used oil;
- Differing (or non-existent) laws and policies that address used oil management;
- Challenges associated with exporting items such as expensive transportation, quality compliance of used oils, international legislation (Waigani Convention).

As a result, the used oils are often stored or disposed of in unsuitable manners, posing a potential hazard to human health and the environment.

As a response to growing stockpiles and increasing risks to the environmental and human health, many PICs are looking for available technology for recycling or processing/converting used oils into a new product that has value locally or in region.



### 3. EXPRESSIONS OF INTEREST (EOI)

SPREP is seeking to establish a database of companies that may have technology available to assist PICs with the In-Country Processing/Recovery Technology of used oils adapted to the specificities of the Pacific Islands (isolation, limited production, lack of qualified personnel...) with evolving economic models proven in the context of the PIC.

#### **Companies with existing used oil processing and/or recovery technology are invited to Express.**

Expressions of Interest should include where possible or relevant:

- An executive summary outlining the specific waste focus of the business / industry group;
- A brief summary detailing the locations the technology is currently in operation and references to the company who currently owns/operates the technology. If the technology is not currently in operation, please provide details on what stage of Research and Development it is in;
- A statement outlining the technologies ability to operate in the Pacific context, including it's ability to negotiate a range of local conditions and factors, such as:
  - climatic conditions (e.g. high humidity, exposure to salt air/water)
  - geographic factors such as remoteness, isolation, rugged terrains, low-lying terrains
  - disaster events including cyclones, tsunamis, earthquakes and volcanic eruptions
  - irregular power or limited power (e.g. availability of 3-phase power, unreliable power)
  - limited economic resources
  - potentially limited local technical knowledge and experience
  - limited availability of technical parts (typically long lead times to receive delivery)
  - irregular quality and quantity of used oil collected
  - variability in population in settlements and countries (from small remote villages to large metropolitan centres)
  - variability in cellular network range and access to internet.
- A statement outlining the company's accreditation / attainment of international standards for waste management, or commitments to attain such accreditation.

The information provided will be used to develop a register of companies that organisations in the Pacific Region can contact to discuss technology options for the In-Country management and recycling of used oils.

Note: Providing details of your company and technology in no way guarantees procurement will occur, nor does it require you to tender a price etc. We are simply seeking to include your technology(ies) on a register that can be accessed by PICs when seeking to identify and assess existing and proven technology options suitable for used oil treatment and recovery in small and remote islands.

### 4. SUBMISSION PROCEDURE

Thank you for taking the time to provide information on the potential suitability of your technology(ies) to assist with used oil management in the Pacific region.

Companies (or persons authorized to represent them) that would like to be included in the SPREP register of companies that can provide waste oil treatment/recycling technologies adapted to the Pacific Islands situation are requested to submit their documents as follows:

- 1) preferably by filling out the online Registration Form available at:  
<https://docs.google.com/forms/d/e/1FAIpQLSeujQRnZnr20k20tUbCAKU2oaQQSzraVNYFXsOd76C5B>



- [hoHfg/viewform?vc=0&c=0&w=1&flr=0](#)), attaching any technical documents presenting the technology(ies) under consideration; or
- 2) by filling in the Registration form in Appendix 1, and sending it to Ms Julie PILLET, technical coordinator of the SWAP project, at [juliep@sprep.org](mailto:juliep@sprep.org), attaching any technical document presenting the technology(ies).

Written Expressions of Interest should not exceed 3 pages in length (excluding the Registration of Interest Form and any company brochures / promotional materials),

Note: The documents provided under this EOI may be produced in English and/or French. With a preference for documents produced in English.

Should you require further clarification please email Julie Pillet, Technical Waste Project Coordinator, SWAP: [juliep@sprep.org](mailto:juliep@sprep.org).

**Interested parties may submit an Expression of Interest at any time, but we would appreciate hearing from you by 12 November 2021.**