

OECS-PLASTIC WASTE FREE ISLANDS



POTENTIAL AREAS FOR COLLABORATION 2022-2025



PWFI VIDEO: <https://www.seariousbusiness.com/islands>

Linkedin: https://www.linkedin.com/posts/searious-business_plastic-waste-free-islands-project-activity-6871374464932827136-2kuM

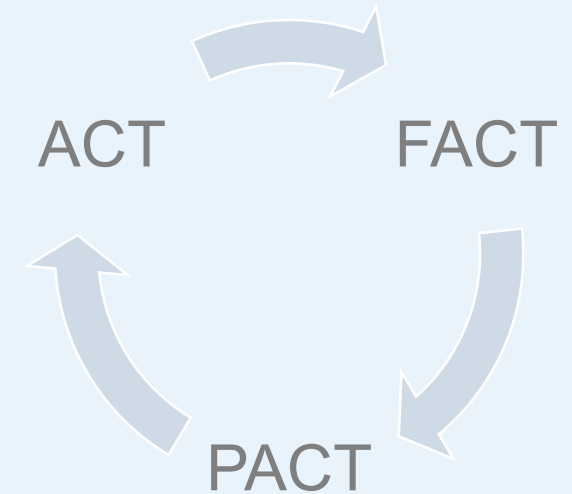
Facebook: <https://fb.watch/9EjUI4mb-4/>

Twitter: <https://twitter.com/SeariousBiz/status/1466343942044139523?s=20>

Goals and Targets

SUPPORT MEETING YOUR AMBITIONS

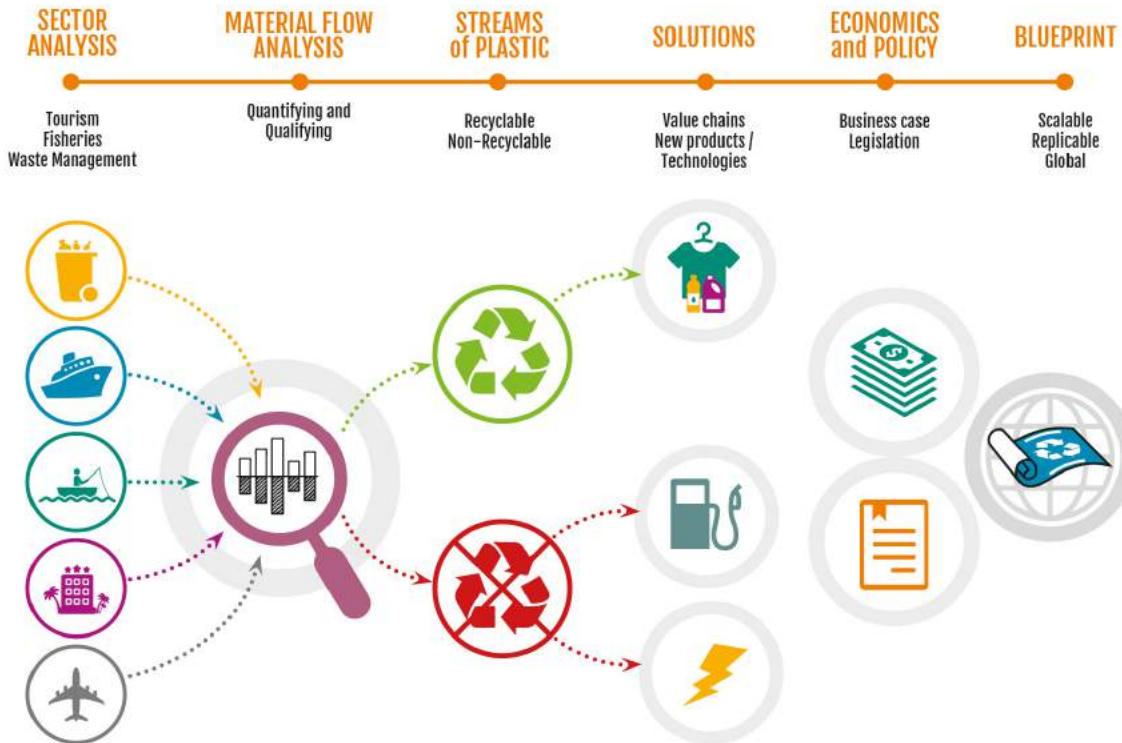
- Using **less** plastics
- Choosing **most sustainable solution** (both materials and technologies)
- Choosing what **circular design strategy & business models** best fits the situation
- Accelerating collaboration and **coordination** across alternative value chains
- Improving **plastic waste management systems**
- Enabling use of **recycled content**
- Meeting **sustainability goals**, i.e.
 - UN Sustainable Development DGs
 - OECS frameworks and action plans addressing plastic pollution
 - Green-blue economy strategy and action plan;
 - Biodiversity and Ecosystems management framework and associated action plans
 - Eastern Caribbean Regional Oceanscape policy (ECROP).
 - Building on OCES's Islands Systems Management (ISM) approach
- **Protecting / restoring biodiversity and ecosystems, reducing CO2-emissions, unlocking economic opportunities**



Results

Goal: Reducing plastic waste on 3 Caribbean islands & 3 Pacific islands

PLASTIC WASTE FREE ISLAND Project • Caribbean and Pacific



Key results

- Enhanced PET bottle-to-bottle recycling
- Setting up refillables and reusables in hotels and restaurants
- Setting up reusable packaging schemes for ready meals in take-away sector
- Developing a Toolkit as part of the global Blueprint for businesses in tourism
- Developing Waste-to-Product solutions on islands, including:
 - Business development
 - Cost-benefit analysis
 - Stakeholder engagement
 - Support in prototyping & manufacturing
- Developing "Deplastify" toolkit for assessing most suitable technologies for recycling the "unrecyclables"

Proposition for follow-up

Best practice-based deliverables

1. **Scale up** PWF_I work on current islands, i.e. sustainably funded Bottle to Bottle Recycling, Waste2Product Business development, Reuse Revolution
 2. **Duplicate** PWF_I work on other islands/regionally
 3. Support **business development hubs**
 4. Promote Plastic Waste Free **Tourism**
 5. Develop regional **recycling hubs**
 6. Develop **Waste-to-Product** solutions
 7. Recycle the **unrecyclables**
 8. Advance EPR on **fishing gear & ropes**
 9. Create vibrant learning **community**
 10. **Encourage regional policy harmonization** promoting circular economy in plastics
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1. Scale up PWFI work

ON CURRENT ISLANDS

Goal: Avoiding plastic waste on islands Antigua-Barbuda / Saint Lucia / Grenada

Deliverables:

- Scale up work of existing solutions
 - Based on best practices, i.e. business case modeling, collection, sorting, collection
 - i.e. Developing Container Deposit Regulation (incl legal drafting), tailored collection-design and funding recommendations
- Develop more solutions on existing islands
 - Make action plans and support proposal writing for plastic waste solutions that have not been prioritized by islands' Selection Committees
 - Develop business plans
 - Organize Working Groups
 - Develop prototypes
 - Organize pilot projects
 - Ensure sustainable financing
 - Provide business development support
- Ensure investor match-making & business incubation for business solutions



2. Duplicate PWFI work

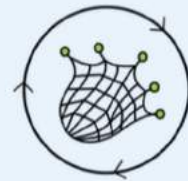
ON OTHER ISLANDS / REGIONALLY

Goal: Avoiding plastic waste on other islands in the Caribbean

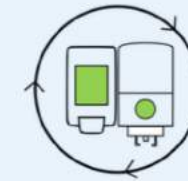
Deliverables:



1. Bottle-to-bottle recycling



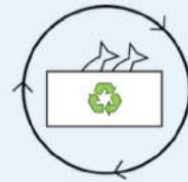
4. Fishery solutions:
Net-to-net recycling



7. Non-food
Dispensing system



2. Reusable PET water
bottles from bottling
company (25x reuses)



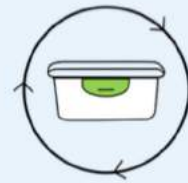
5. Fishery solutions:
Reusable
fish packaging



8. Waste-to-product



3. Reusable water bottles
at hotel



6. Reusable food
containers



9. Circular B2B logistics

3. Support business development

TO REALIZE SOLUTIONS



Goal: Avoiding plastic waste through business incubation

Deliverables:

Establishment of regional circular business development hubs/business incubating platforms, e.g.:

- Business development services from start-up support to launching and growing businesses
 - Product development, market research, project financing (blended financing)
- Provide technical support on i.e.
 - circular design, collection (professionalizing the informal sector),
 - value addition recycling option
 - export of circular products, import of recycled content,
 - circular business case modeling, market development
- Help establishment of i.e. PET bottle (pre)-processing facility, like seen on Antigua and Barbuda
- Match making between demand-supply of materials/technology/service providers



4. Promote Plastic Waste Free Tourism

ON ISLANDS

Goal: Avoiding plastic waste in tourism sector

Deliverables:

- Develop regional Plastic Waste Free Tourism (PWFT) programme, in collaboration with i.e. OECS and Tourism Associations
- Support policy harmonization and integrate PWFT targets in existing Climate Change and Sustainable Tourism targets
- Set up Multi-Stakeholder Tourism Councils that will: 1) ensure embedding Plastic Waste Free Islands-targets in related sustainability frameworks; 2) monitor progress on targets; and 3) provide an accountability mechanism
- Run specific campaign with relevant stakeholders, e.g.:
 - Introduce Palau-type of Pledges
 - Develop concept of regional tourist tax that will partially finance circular solutions
 - Connect tourism sector to the Refill/Reuse Revolution, e.g. City to Sea.
NB: Cruise liners have shown interest in this concept as long as it also links to their own Apps



5. Develop regional recycling hubs

TO DIVERT PLASTIC FROM LANDFILL

Goal: Avoiding plastic waste on islands

Deliverables:

- Consolidation of waste audits
- Feasibility studies for regional recycling hubs
 - Technical feasibility: material flow analysis, technology analysis.
 - Financial feasibility: cost-benefit analysis (incl environmental costs and benefits).
- Business case development for recyclables and unrecyclables relative to (renewable) energy security agenda
- Advise on management and governance structure, i.e. hub-spoke model
- Advise on sustainable financing plan and meeting investment requirements
 - A key component for meeting financing requirements is to ensure a stable demand and supply of recycling feedstock, which in turn requires quality sorting and collection



6. Develop Waste-to-Product solutions

IN i.e. WASH PROJECTS, INFORMAL SETTLEMENTS

Goal: Avoiding plastic waste on islands, through recycling in project on Water, Sanitation and Hygiene and/or informal settlements

Deliverables:

- Material Flow analysis
- Develop concept solutions, including product design and system design with recommendation on the collection approach and recycling technology
- Build prototypes with local producers
- Devise business plan to run business on Waste-to-Product solutions
- Provide business development support



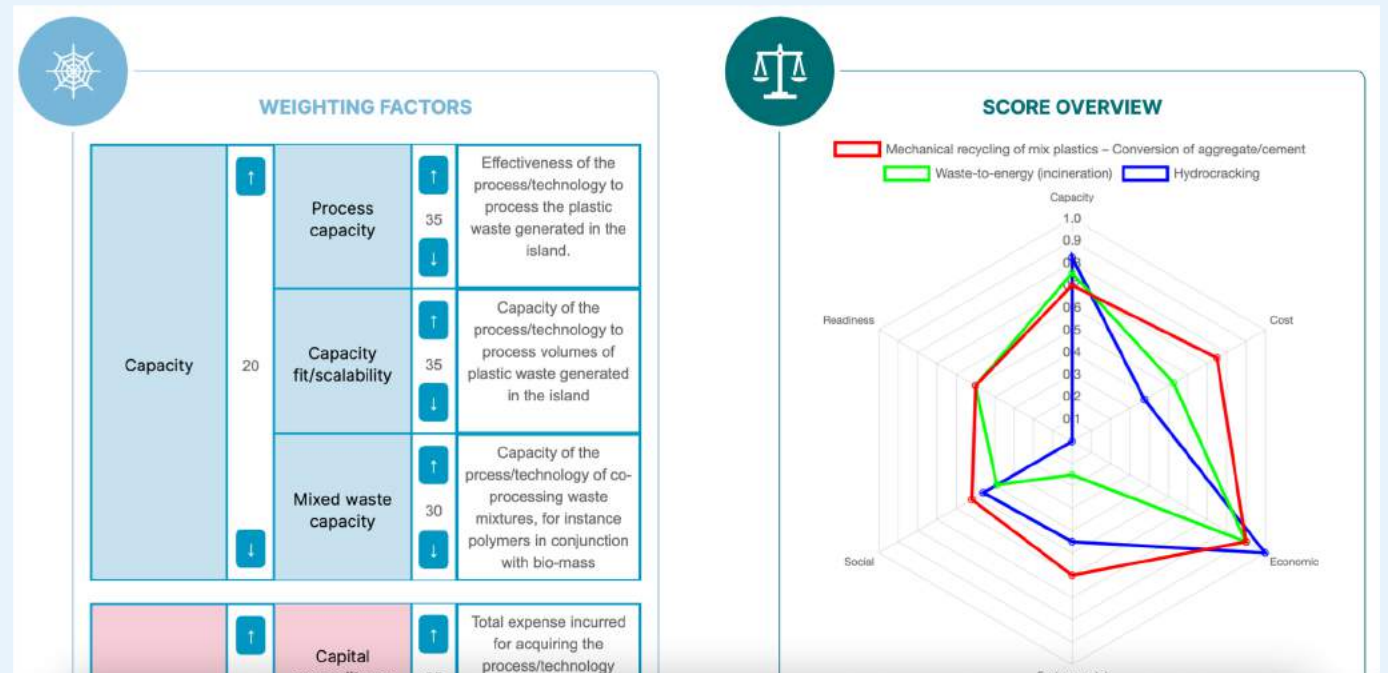
7. Recycle the unrecyclables

USING ONLINE TOOL TO DETERMINE BEST WAY OF ADVANCED RECYCLING

Goal: Avoiding plastic waste on islands through advanced recycling

Deliverables:

- Technical support & strategic advice to governments, institutional organizations and recyclers related to results from Deplastify, balancing waste-energy nexus
- Help develop specific business case, connecting with right processes/technologies' suppliers
- Support project financing (often required a blended approach)
- Test Deplastify tool and scaling it up to make it suitable for bigger regions/countries than SIDS



8. Advance EPR on fishing gear & ropes

THROUGH EXTENDED PRODUCER RESPONSIBILITY SCHEMES

Goal: Avoiding plastic waste in fisheries sector

Deliverables:

- Develop policy documents based on EPR position paper on fishing gear & ropes for national / regional governments / institutional partners
- Make EPR country-specific
- Organise a regional/national Net-to-Net pilot project, in collaboration with fisher(wo)men associations, collectors, recyclers, net manufacturers



It is recognized that no fisher ever wants to lose gear, as gear loss presents an economic cost, both immediate (via gear replacement costs) and future (via potentially impacted harvestable fish populations). However, it is expected for some gear to be lost during normal fishing operations due to inclement weather, snags beneath the surface, unintended interactions with other deployed gear and marine traffic: specific schemes and policies can be put in place to reduce usual gear lost. Some examples of concrete actions to prevent fishing gear loss include: gear maintenance; reducing active gear interactions with wildlife; reducing financial and administrative burdens for port reception facilities; reducing trip lengths; and targeting education and gear stewardship programs to fishers⁴. Additionally, it is essential to provide fishers with an effective and viable disposal solution for gear that reaches the end of its useful life so it does not end up in the aquatic environment either due to a lack of viable disposal options or as a last resort.

The establishment of *extended producer responsibility (EPR) policies and schemes for fishing gear and ropes* represents a clear and actionable response to address one major vector of potential plastic pollution derived from fishing activities. The main goal of implementing EPR for this type of waste is to reduce marine plastic pollution by preventing and reducing the volumes of used fishing gear and ropes into the environment.

¹ Lebreton, L., Slat, B., Ferrari, F. et al. Evidence that the Great Pacific Garbage Patch is rapidly accumulating plastic. *Sci Rep* 8, 4666 (2018). <https://doi.org/10.1038/s41598-018-22939-w>.

² Eriksen M, Lebreton LCM, Carson HS, Thiel M, Moore CJ, et al. (2014) Plastic Pollution in the World's Oceans: More than 5 Trillion Plastic Pieces Weighing over 250,000 Tons Afloat at Sea. *PLoS ONE* 9(12): e111913. doi:10.1371/journal.pone.0111913.

³ United Nations Conference on Trade and Development., 90% of fish stocks are used up – fisheries subsidies must stop. Available at: <https://unctad.org/news/90-fish-stocks-are-used-fisheries-subsidies-must-stop>

⁴ Richardson K, Hardesty BD, Vince JZ and Wilcox C (2021) Global Causes, Drivers, and Prevention Measures for Lost Fishing Gear. *Front. Mar. Sci.* 8:690447. doi: 10.3389/fmars.2021.690447



9. Create vibrant learning community

TO ENCOURAGE SYNERGIES & CROSS-LEARNINGS

Goal: Avoiding plastic waste on islands worldwide

Deliverables:

- Support set-up of Caribbean Plastic Pact (EMF) or island state chapters for Global Plastic Action Partnership (WEF), and ensure complementarity with i.e. **OECS projects incl Replast, ReMLit, Proposed blue economy pipeline project** (has a waste management component (UBEEC))
- Promote and support contextualization of Blueprint
- Expand PWFI community on platform of i.e. Ubuntu. E.g. develop video material on (concept) solutions and outcomes from working groups
- Inform & entice players for PWFI solutions like IISD, SDG knowledge hub, players from Declaration to Encourage Action on Plastic Pollution, UNEP, GEF, SPREP, etc.



10. Encourage policy harmonization

PROMOTING CIRCULAR ECONOMY IN PLASTICS

Goal: Avoiding plastic waste through regional **policy and legislative harmonization**

Deliverables:

- Container Deposit Legislation across the region through the set up and management of bottling company consortiums, together with local plastic processors and governments
 - Ensuring harmonization with broader fiscal eco-modulation programmes
- Gender analysis and policy influencing planning per region
- Help advocate for regional adoption of big fat policy recommendations, and national translation of these goals into national policy legislation processes. Contributing to:
 - 1) **OECS integrated waste management strategy and action plan** that includes sound solutions for waste collection and disposal in the respective Member States;
 - 2) **OECS Transboundary Marine Litter Strategy and Action Plan** aimed at meeting national, regional and international obligations for waste management and the establishment of mechanisms to address land-based sources of pollution as well as waste generated at sea, but which is treated and disposed of at ports of entry.
 - 3) **OECS circular economy strategy and action plans**, unlocking economic opportunities



Big Fat 5 policy recommendations

PLASTIC WASTE FREE ISLANDS



1. Limit types of plastics



2. Severely limit production of virgin plastics



3. Highly tax virgin plastics and/or CO2



4. Encourage transition towards reusables



5. Apply a maximum share of recycled plastics

Plastic Waste Free Islands

Let's catch the circular wave together



IUCN_Plastics



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<https://www.iucn.org/theme/marine-and-polar/our-work/close-plastic-tap-programme>

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#CloseThePlasticTap



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<https://www.seariousbusiness.com/islands>

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Plastic Waste Free Islands

An initiative supported by Norad, managed by IUCN and co-implemented by Searious Business