

Project brief: “Material and Energetic Utilization of Organic Waste and Sargassum”

Project title	Material and Energetic Utilization of Organic Waste and Sargassum
Outcome	The productive use of organic waste and sargassum has improved in selected member states of the Caribbean Community.
Budget	Up to 10,000,000 EUR
Duration	From 09/2025 - 08/2029 (4 years)
Geographical focus	Dominica, Grenada, St. Lucia, St. Vincent and the Grenadines, Jamaica (peer to peer partner Dominican Republic, Barbados)
Lead executing entity	CARICOM
Project approach	The project will improve the regional exchange between governmental and non-governmental actors in CARICOM member countries on the utilization of organic waste and sargassum. This will be done through: - Advice on strengthening or establishing digital regional exchange platforms. - Strengthening institutional coordination capacities at CARICOM, where appropriate through digital knowledge transfer. - Advice on the development of a regional strategy for the productive use of organic waste and sargassum. - Implementation of (digital) gender-sensitive awareness-raising measures on the risks and potential of sargassum. Additionally, the project will strengthen the capacities of relevant national institutions to develop legal, political, and normative frameworks for the productive use of organic waste and Sargassum through: - Advice on the development of national action plans to promote the productive use of organic waste and sargassum. - Advice to sectoral ministries and regulatory authorities on the development and implementation of laws, regulations, or technical standards for the productive use of organic waste and sargassum. - Advising sectoral ministries on the development and implementation of financing instruments for the productive use of organic waste and sargassum. - Capacity development measures to strengthen the skills of specialist and management staff in government organizations. Moreover, business models for the productive use of organic waste and sargassum will be introduced on a pilot basis, taking into account gender equality and the empowerment of women. This will be done by: - Financing companies, institutions, or NGOS on innovative solutions for the productive use of organic waste and sargassum. - Advising companies on the technical feasibility and economic viability of business models. - Pilot implementation of private sector solutions.

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	- Connecting with investors through digital matchmaking platforms. Finally, the project will strengthen the technological and scientific capacities of research institutions in the field of productive use of organic waste and sargassum by: - Supporting in the implementation of applied research projects. - Networking with German or European research institutes. - Supporting exchange between scientific institutions and the private sector.
Target group	The entire population of CARICOM would benefit from improved material and energy recovery from organic waste and sargassum. Key intermediaries in both options are specialists and managers in CARICOM and in national institutions.
Implementing partner(s)	Key implementation partners: CARICOM institutions: University of West Indies (UWI), Caribbean Center for Renewable Energy and Energy Efficiency (CCREEE) and Caribbean Regional Fisheries Mechanism (CRFM). Ministries responsible for waste management, recycling, and energy at the national level, energy supply companies, national waste management authorities, companies, and associations in the tourism sector. Additionally: private companies, business associations, and scientific institutions. The geographical focus is on the Caribbean Community, with a likely focus on the partner countries Dominica, Grenada, Jamaica, Saint Lucia, and Saint Vincent and the Grenadines. The Dominican Republic and Barbados are to be included as learning partners.

Results Matrix: “Material and Energetic Utilization of Organic Waste and Sargassum”

Objective	Indicator
Outcome Objective The productive use of organic waste and sargassum has improved in selected member states of the Caribbean Community.	Outcome Indicator 1 Amount of organic waste or sargassum productively used annually by the private sector or NGOs in selected CARICOM member states in an environmentally sound and gender-sensitive manner Base value: 100 tons of sargassum; 1,000 tons of organic waste (02/2025) Target value: 30,000 tons of sargassum; 100,000 tons of organic waste (02/2029)
	Outcome Indicator 2 Amount of organic waste or sargassum productively used annually by government institutions in selected CARICOM member states in an environmentally sound and gender-sensitive manner. Base value: 100 tons of sargassum; 300 tons of organic waste (02/2025) Target value: 50,000 tons of sargassum; 70,000 tons of organic waste (02/2029)

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	Outcome Indicator 3 Number of business models or demonstration projects implemented by companies, government institutions or NGOs in selected CARICOM member states for the productive use of organic waste or sargassum based on research results in scientific institutions. Base value: 4 business models or demonstration projects (02/2025) Target value: 9 business models or demonstration projects, 30% of the additional ones in the area of material recycling and 30% in the area of energy recovery (05/2029)
	Outcome Indicator 4 Number of companies, government institutions or NGOs in selected CARICOM member states that confirm that national measures or regulations on the productive use of organic waste or sargassum have a positive impact on their business model. Basic value: 0 (no surveys exist) (02/2025) Target value: 25 companies, government institutions or NGOs (02/2029)
Output 1: The regional exchange of experience between governmental and non-governmental actors in CARICOM member states on the productive use of organic waste and or sargassum has been improved	Output Indicator 1.1 Number of regional events organised by the CARICOM Secretariat or a subordinate institution on the productive use of organic waste or sargassum involving governmental and non-governmental stakeholders with an average participant satisfaction of 4 on a scale of 1 to 5. Base value: 1 event (CCREEE Ocean Conference Side Event: 2017) (02/2025) Target value: 3 events with 30% participation of non-state actors (02/2029)
	Output Indicator 1.2 Number of regional digital business-to-business (B2B) information platforms that provide targeted solutions for the productive use of organic waste or sargassum. Base value: 0 information platform (02/2025) (1 platform exists, but without a thematic focus on organic waste and sargassum) Target value: 1 information platform with a thematic focus on organic waste and sargassum (02/2029)
Output 2: The capacities of relevant national institutions for the participatory development of legal, political and normative frameworks for the productive use of organic waste, including Sargassum are strengthen.	Output Indicator 2.1 Number of measures or regulations published by relevant national institutions on the productive use of organic waste or sargassum that were developed with the participation of the private sector. Base value: 1 measure or regulation (Sargassum Management Plan in St. Lucia) (02/2025) Target value: 4 measures or regulations, including 1 measure related to the Global Biodiversity Framework (GBF) (02/2028)

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Output 3: Technological solutions for the productive use of organic waste or sargassum are developed with gender equality in mind.	Output Indicator 3.1 Number of business models selected through 3 ideas competitions by private sector or civil society actors for the environmentally sound productive use of organic waste and/or sargassum, 50% of which were submitted by women-led businesses or NGOs. Base value: 0 business models (1 ideas competition on sargassum was conducted by the Inter-American Development Bank) (02/2025) Target value: 10 business models, 30% of which in the area of material recycling; 30% in the area of energy recovery (06/2027)
	Output Indicator 3.2 Number of demonstration projects with a business model character developed by government institutions for the environmentally sound productive use of organic waste or sargassum, taking gender equality into account Base value: 1 demonstration project with business model character (municipal composting plant - without gender equality aspects, Saint Lucia) (02/2025) Target value: 6 demonstration projects with business model character, of which 30% in the area of material recycling and 30% in the area of energy recovery (06/2027)
Output 4: The technological and professional capacities of scientific institutions in the field of the productive use of organic waste or sargassum are strengthened.	Output indicator 4.1 Number of scientific papers on the productive use of organic waste or sargassum published jointly by scientific institutions from CARICOM member states and Europe. Base value: 4 scientific papers (02/2025) Target value: 10 scientific papers (02/2029)
	Output indicator 4.2 Number of laboratories with improved technical capacities that have used them for scientific work in the field of productive use of organic waste or sargassum Base value: 0 laboratories (2 laboratories with basic capacities) (02/2025) Target value: 3 laboratories (06/2028)