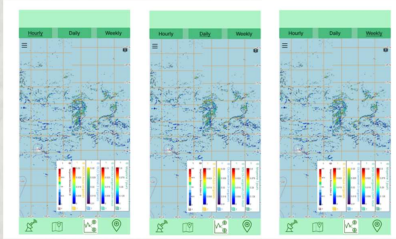


Improving Resilience and Sustainability through Innovation

SarGASsum

The development of a Sargassum biomass prediction app (SBPA) and resulting pilot production of biogas.

Dr Legena Henry, PhD
CEO/Founder - Rum and Sargassum Inc.



Mason 2023 Prediction simulations - Sargassum Masses

Specific Objectives

- Hotel beach clean-up efforts supported by the functional Sargassum Biomass Prediction App (SBPA)
- Biogas production using Sargassum Seaweed (harvested with the help of the Sargassum Biomass Prediction App (SBPA)) as a biofuel feedstock for transport fuel, and
- Biogas production using Sargassum Seaweed (harvested with the help of the Sargassum Biomass Prediction App (SBPA)) as a biofuel feedstock for transport fuel, and

Target Groups and Beneficiaries

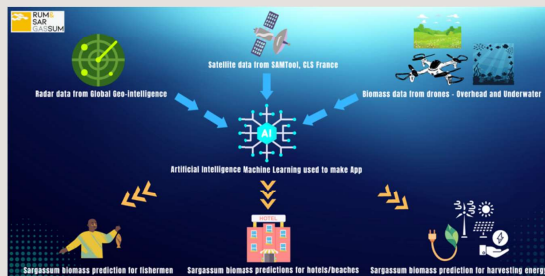
- Barbados Hoteliers
- Barbados Tourism sector
- Barbados Energy Sector
- Barbados Fisheries Sector



Locality: Barbados



Methodology



- Remote sensed data
- Ground truth capture via drones
- AI/Machine learning used to add biomass estimates to satellite data

Expected Results

1. More efficient approaches to Sargassum-free beaches



2. Improved conditions for fisheries

3. Renewable transport fuel for a fossil fuel free Barbados



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