* Fishermen Community
* Research organizations like NFDB & CMFRI
* Pharmaceutical, Chemical & Food Processing Industries

STAKEHOLDERS

ENVIRONMENTAL & HYDRODYNAMIC PARAMETERS

FUTURISTIC SUSTAINABLE APPROACH

* Salinity = not less than 30 ppt
* Temperature = 26oC to 30oC
* Water depth = Not less than 1m even in low tide levels
* Wave current = Moderately calm water conditions with sufficient water exchange is necessary
* pH = 6.5 to 8.5
* Nutrient = Sites with sufficient Nitrate-Nitrogen and phosphorous

WHY SEAWEED CULTIVATION IS IMPORTANT?

* Raw materials for food, chemical & pharmaceutical industries.
* Act as Carbon sequestration
* Giving livelihood to Fisherwomen
* Prevents coastal erosion

Sea surface water Temperature (SST), pH, Salinity, Nutrients, wave current, water depth & light irradiance

RESEARCH GAPS

IDEAL CONDITIONS FOR THE GROWTH

* Less availability of data related to culturable seaweed species in India
* Detailed marine spatial analysis for the identification of potential seaweed farming sites
* Innovation in seeding technology of seaweed

SOME NEGATIVE EFFECTS ON THE ENVIRONMENT DUE TO THE MASS PRODUCTION OF SEAWEED

* Reduction of phytoplankton on the cultivable area of seaweed due to higher intake of Nitrogen.
* Hampers the natural Hydrodynamic conditions existing on the site.
* Artificial Habitat creation
* Effective utilization of nitrogenous wastewater by cultivating seaweed.
* Integrated Multi-Trophic Aquaculture system