

FS on introduction waste management technology (2022)

Project name : “Waste Treatment, Recycling, and Nature Conservation Promotion Using Plant-Derived Biodegradable Plastics”

1.FS implementation company

(Project developer)

Business Innovation Partners Co., Ltd.(BIPC)

(Partner Companies/Association)

Grupo Futuro, Trafino, Ryohin Keikaku Co., Ltd.

2.Country and Waste types

(Year for FS implementation)

FY2022

(Country)

Ecuador

(Waste types)

Tagua (ivory palm) trees-unused or wasted

3.Planned project outline

(Technology)

- (1)Technology for extracting sugar components (raw materials for resin materials) from waste trees and plants.
- (2) Plant-derived biodegradable plastic manufacturing technology (from extraction to pelletization)

(Project description)

We will regenerate tagua (ivory palm), naturally grown in Ecuador but treated as a waste, into biodegradable plastics. By doing so, we will create achieve both protection of the natural environment and job creation.

(Project implementation formation)

With the support UNDP and the Ecuador government, BIPC will take the lead in creating upcycling waste(tagua) and develop its product plan with Ryohin Keikaku Co., Ltd.

(Impact of reducing environmental burden)

Through the replacement of plant-derived plastics with petroleum-based, we will reduce CO2 emissions by about 30%.

(General picture of this project)

