

CITY-TO-CITY COLLABORATION

EHIME PREFECTURE AND GORONTALO PROVINCE;

ZERO CARBON EMISSION POLICIES

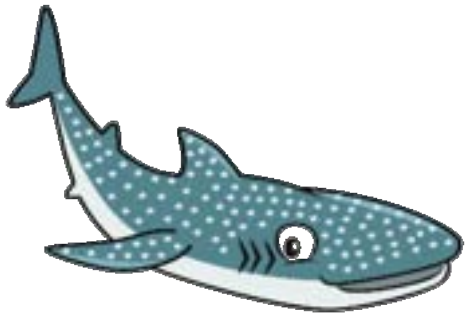
Seminar On City-to-City Collaboration for Zero Carbon Society
Tokyo, 26-27 February 2024

PRESENTED BY:

SOFIAN IBRAHIM

REGIONAL SECRETARY

GOVERNMENT OF GORONTALO PROVINCE

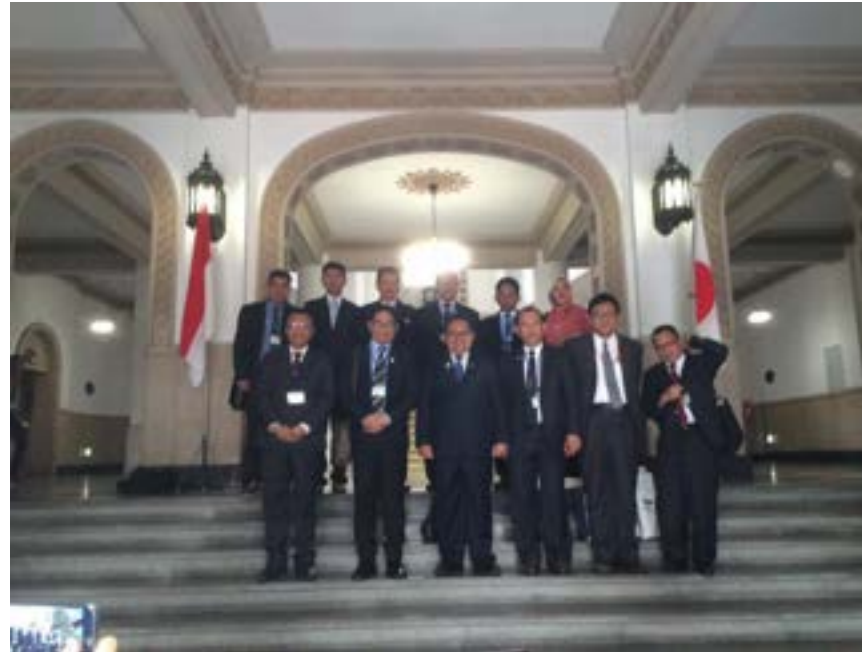




The Beginning of Ehime-Gorontalo Collaboration



In 2013, representatives from the Gorontalo Provincial Government, North Gorontalo District Government, and Gorontalo State University visited Ehime University, Seiyo Geopark, and Yuzuki Elementary School.



In 2018, a meeting was held at the Mayor's office in Matsuyama, where representatives from the Gorontalo City Government and Matsuyama City Government discussed cooperation opportunities.



In 2018, a meeting between the delegation of Gorontalo State University and the Rector of Ehime University took place at the Ehime University rectorate. Detailed discussions regarding the follow-up actions for the cooperation between both sides were conducted.



GORONTALO PROVINCE



Ilohua Waterfall



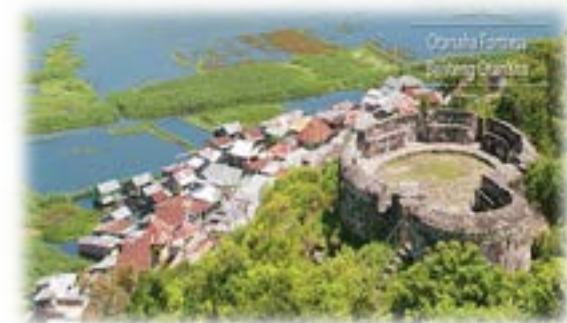
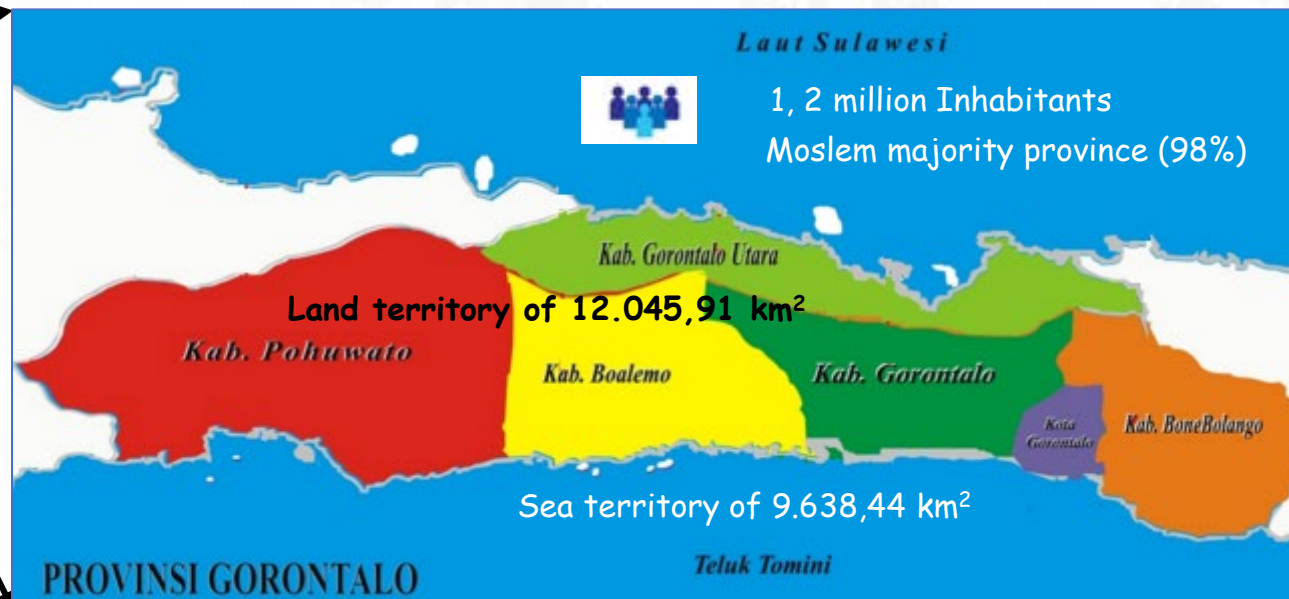
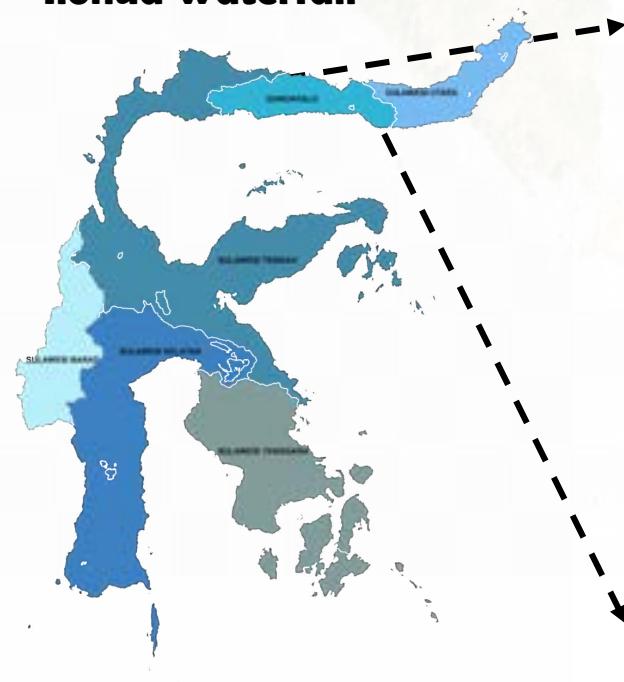
Olele Marine Park



Golden Walimah Moswue



Whale Shark in Botubarani



Otanaha Fortress



Aspiring National Geopark Gorontalo "Gorontalo's Earth Symphony: Exploring the Diversity of Land and Sea"

Enjoying the beautiful melodies of nature intertwined amidst the diversity of landscapes and oceans in the Gorontalo Geopark. A journey exploring the beauty and wonders of the earth as well as the amazing underwater life.

<https://geopark.gorontaloprov.go.id/>

Diversity of Land



Tohupo fossil forest (Geosite)



Old City Gorontalo



Saripi Granodiorit (Geosite)

Symphony of the Ocean



Botubarani (Biological site)



Biluhu (Geological site)



*Olele Underwater
(Biological site)*



KARAWO (Traditional handicraft)



Karawo Carnaval



Seiyo City grows Bitter Gourd using
Sugar Palm Fiber Net From Gorontalo

"Karawo cookies"



"Handcrafted hats made from
natural fibers"

GORONTALO PRODUCTS



Palm Sugar Aren Go



"Smoked fish"





Environmental Issues

LANDFILLS PROBLEMS

The disposal of hazardous waste still occurs at the Talumelito landfill.



artisanal mining operations and mercury contamination pathways to human and environment (Arifin.Y.I, 2021)

Artisanal mining operations

Mercury contamination

Ore excavation Site

Vertical hole



Rocks crushing



Transporting



Ore processing site

Tromol milling with mercury (whole ore amalgamation)



Amalgam separation



Outside /Houses / Gold shops

Amalgam smelting



Gold acquired



Mining Waste



Pollution

Global environmental problems

Contaminated atmosphere, ocean, Water and foods

Local environmental problems

Contaminated atmosphere, soils, rivers, ocean, water, foods.

landslides, short of food , etc., poverty

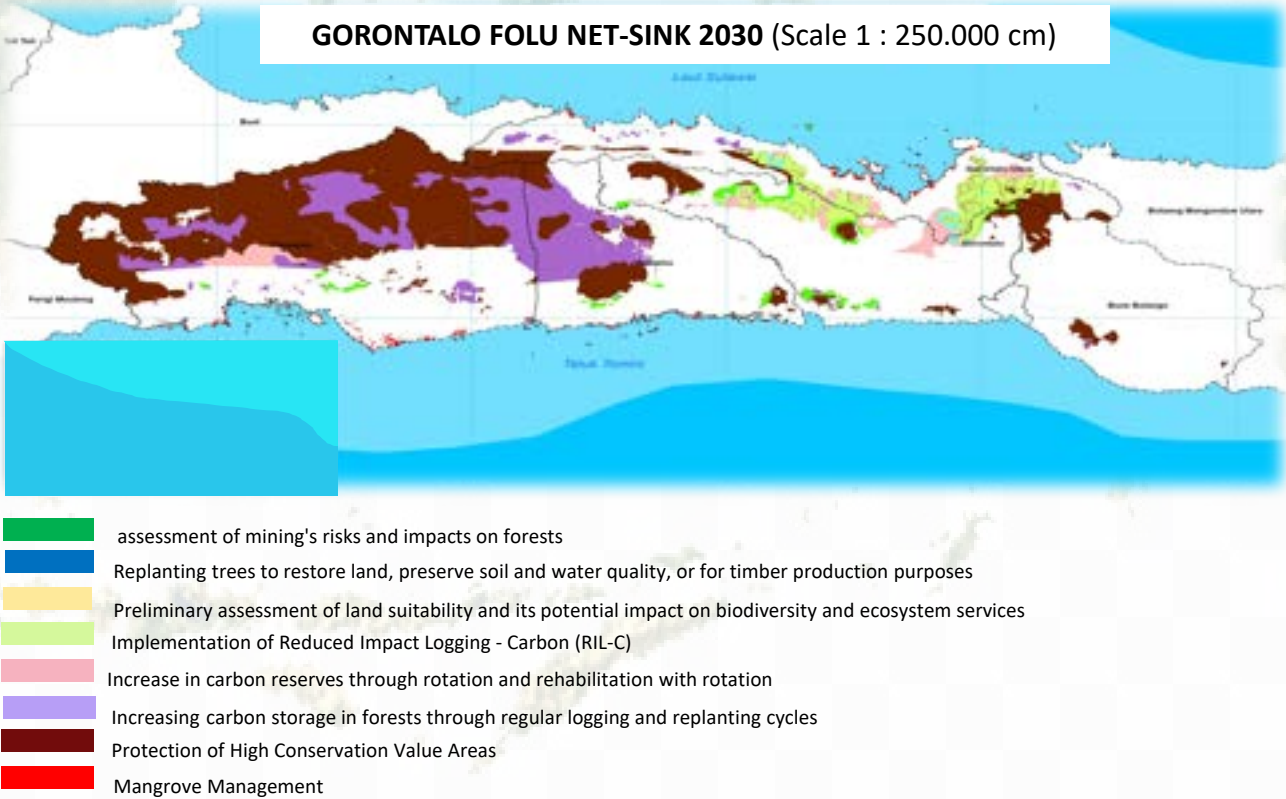
Impacts to human health

Patients with neurological disorders

Patients with neurological disorders
patients with other diseases related Hg intoxicant & environment, etc.

8 (eight) Operational Plans for Indonesia's FOLU Net Sink 2030 in Gorontalo Province, include:

- 1. Prevention of Mineral Land Deforestation
- 2. Development of Plantation Forests
- 3. Enrichment of Natural Forests (Enhanced Natural Regeneration - ENR)
- 4. Implementation of Reduced Impact Logging - Carbon (RIL-C)
- 5. Increase in carbon reserves through rotation and rehabilitation with rotation
- 6. Increase in non-rotation carbon reserves and non-rotation rehabilitation
- 7. Protection of High Conservation Value Areas
- 8. Mangrove Management





Conservation issues on Limboto Lake include:

1. Siltation and shrinking of its area
2. Deterioration of water quality in the lake
3. Proliferation of water hyacinth
4. Declining fisheries productivity.



Deforestation

Agricultural expansion, wood extraction (e.g., logging or wood harvest), and infrastructure expansion, have caused the occurrence of deforestation in Gorontalo





Potential funding resources:

- State-based Direct Investment
- Private-mandatory Based Investment
- Private-voluntary Based Investment
- Private-market Based Investment
- Trust Fund
- Grants/Donation/Charity
- Community Based Funding



Decarbonization Plan (Funding Resources)



MEMORANDUM OF UNDERSTANDING
BETWEEN
THE GOVERNMENT OF GORONTALO PROVINCE
OF THE REPUBLIC OF INDONESIA
AND
THE GOVERNMENT OF EHIME PREFECTURE,
JAPAN
ON
ENVIRONMENTAL COOPERATION

The Government of Gorontalo Province of the Republic of Indonesia, and the Government of Ehime Prefecture, Japan, hereinafter referred to individually as the "Party" and collectively as "The Parties";

RECOGNIZING the existence of good partnership and cooperation between The Republic of Indonesia and Japan;

REFERRING to the Letter of Intent between the Government of the Republic of Indonesia and the Government of Ehime Prefecture, Japan, on the Establishment of City to City Cooperation, signed by The 1 September 2022 and in Gorontalo on 23 September 2022;

DESIRING to promote partnership and cooperation between the people in the two regions;

CONSIDERING the importance of equality and mutually benefit

PURSUANT to the prevailing laws and regulations in the respective Parties;

HAVE AGREED as follows:

**Article 1
Objective**

The objective of this Memorandum of Understanding (MoU) is beneficial cooperation between The Parties in the development with the end-view to promote a carbon-free society, with authorities, financial and technical capabilities based on the mutual respect, and mutual benefits.

3. Either Party may terminate this MoU at any time by giving written notification to the other Party of its intention to terminate this MoU at least 6 (six) months prior to the intended date of termination.

4. The termination of this MoU shall not affect the completion of any ongoing programs and activities under this MoU, unless agreed otherwise by The Parties.

IN WITNESS WHEREOF, the undersigned, being duly authorized thereto by their respective Governments, have signed this MoU.

SIGNED in duplicate in Gorontalo on 19 Januari 2023, each in Indonesian and English languages, all texts being equally authentic. In case of any difference in the interpretation of this MoU, the English text shall prevail.

FOR THE GOVERNMENT OF
GORONTALO PROVINCE
OF THE REPUBLIC OF INDONESIA

SALAFUDDIN HASANAH
GOVERNOR

FOR THE GOVERNMENT OF
EHIME PREFECTURE
OF JAPAN

TAKESHIRO NAKAMURA
GOVERNOR



*Signing of the MoU
by both Governor of
Ehime Prefecture and
Acting Governor of
Gorontalo, January
19th 2023*

Area of Cooperation:

1. Environmental Management
2. Economic and Industry Management
3. Agriculture and Forestry
4. Education and Training



City-to-City; Gorontalo and Ehime





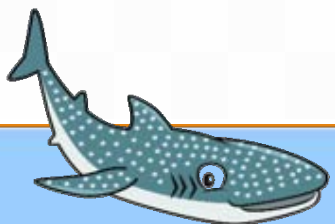
Governor Nakamura had a great time when visit Whale Shark site, Botubarani Village, Bone Bolango Regency.



Exchanging souvenirs between Vice Governor (Mr. Tanaka) and chair of House of representatives of Gorontalo (Mr. Paris)



Calling call with the former Acting Regional Secretary of Gorontalo Province.



City-to-City; Gorontalo and Ehime





*Ehime, JANUS and Gorontalo Provincial officers
visiting potential location of future cooperated issue
in the area of agriculture development.*



City-to-City; Gorontalo and Ehime





Ehime, JANUS and Gorontalo Provincial officers visiting potential location of future cooperated issue in the area of agriculture development.



City-to-City; Gorontalo and Ehime



Intense discussions between Team Ehime, Aiken Kakoki and PT Royal Coconut, regarding the management of their liquid waste to be environmentally friendly and generate electrical energy. PT Royal Coconut is a company engaged in coconut processing.



City-to-City; Gorontalo and Ehime





*Visit and discussion between Ehime Team,
Aiken Kakoki and Talumelito landfill
officials for leachate handling*



City-to-City; Gorontalo and Ehime





Lensa Kegiatan :

Sabtu, 27 Januari 2024 - Kota Gorontalo

**Kunjungan Tim Ehime Jepang Terkait Pengembangan Layanan
RSUD dr. Hasri Ainun Habibie Provinsi Gorontalo**



*Visit and discussion between Ehime Team,
JANUS, Aiken Kakoki, Daiki Axis Talumelito
and Hasri Ainun Habibie hospital
management, Bappeda Gorontalo Province*



City-to-City; Gorontalo and Ehime

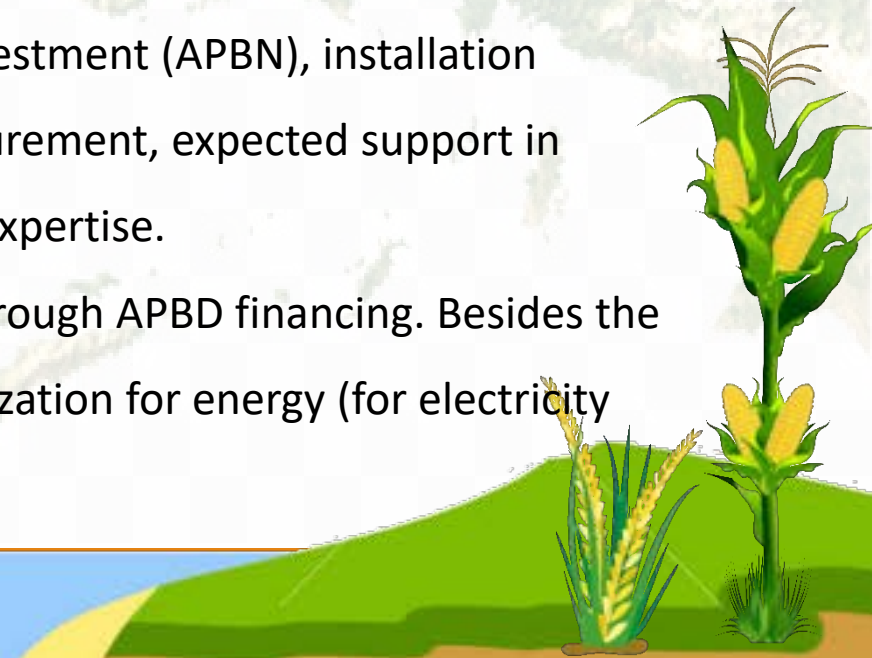




- Project Design and Business Process with **PT Royal Coconut, PT. Trijaya Tangguh and PT Pabrik Gula Tolangohula**. Potential application of the offered technology through the Government Cooperation with Business Entity financing scheme. Further exploration is needed. Support from Ehime is expected for the preparation of the Outline Business Case (Initial Feasibility Study) to attract investors more effectively when offered at the Market Sounding event.
- **Hasri Ainun Habibie Hospital**, Hospital Wastewater Treatment Plant (WWTP), financed by government investment (APBN), installation procurement scheme through e-procurement, expected support in technology/knowledge transfer, and expertise.
- **Talumelito landfill**, will be pursued through APBD financing. Besides the Leachate issue, support for waste utilization for energy (for electricity generation, etc.) is also expected.



Prospective Projects





Fisheries Field



Advancement of fishery technology, etc.

- Maintain freshness and quality of landed marine products
- Development of sales system and distribution network for out-of-region distribution

High value-added marine products, etc.

- Introduction of long-term preservation technology (sterilization, freezing, etc.) for out-of-region distribution
- Improve distribution through the introduction of primary processing technology
- Value-added improvement and new product development through secondary processing (heating, drying, mixing, fermentation, etc.)

Agricultural Field

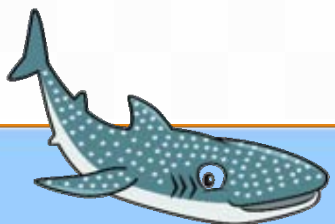


Advancement of agricultural technology, etc.

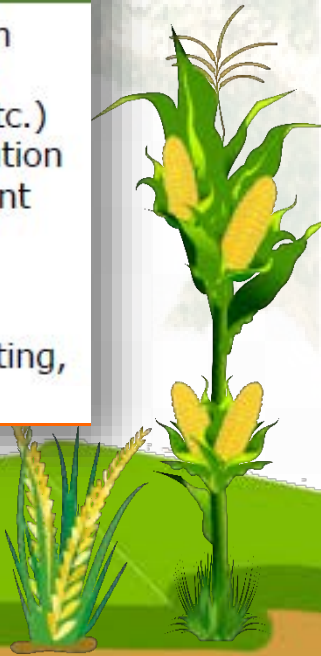
- Agricultural products (grains, fruits, etc.) Productivity and quality improvement of
- Improved shelf life for out-of-region distribution
- Establish mechanisms for organizing producers, joint sales, direct sales, etc.

Value-added agricultural products, etc.

- Introduction of long-term preservation technology (sterilization, freezing, etc.) for out-of-region distribution
- Value-added improvement and new product development through processing (drying, squeezing, crushing, cutting, etc.)

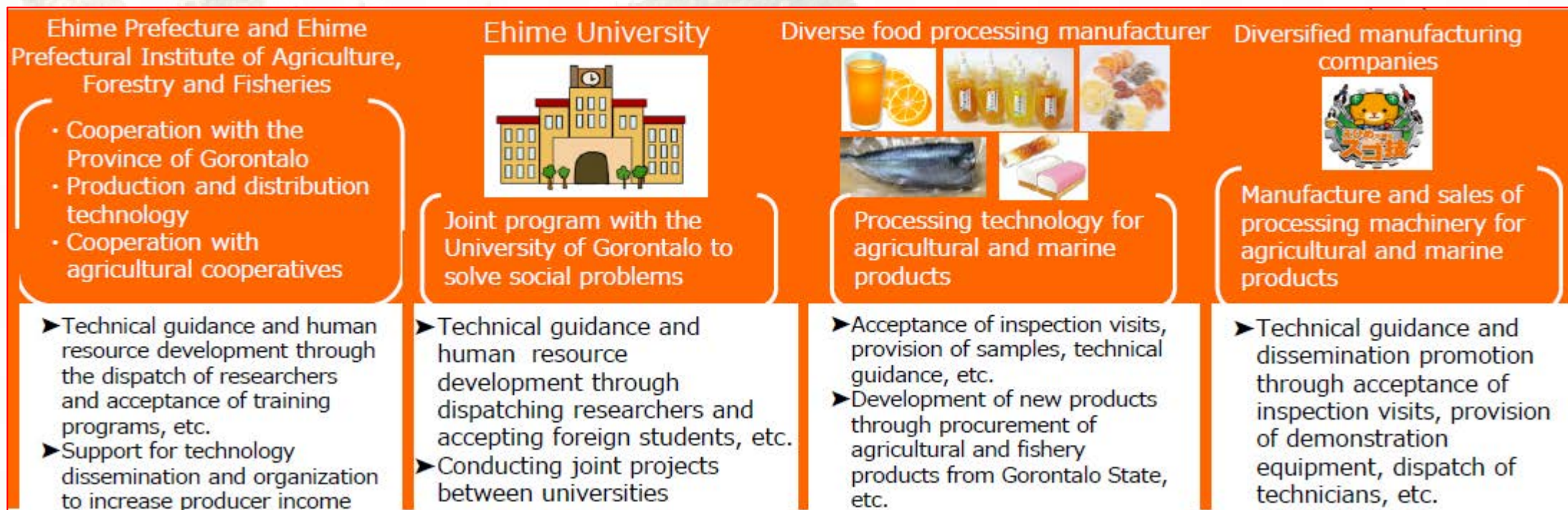


Beyond Environmental Cooperation





In order to achieve advancement in agriculture and fisheries sectors, these technical aspects are expected to be conducted beforehand.



Beyond Environmental Cooperation





**NOTA KESEPAHAMAN
SERAH TERIMA BARANG
MILIK PEMERINTAH PREFEKTUR EHIME
KEPADA
PEMERINTAH PROVINSI GORONTALO**



Nomor :
Nomor : 909/BK/PG/31a/2023

Pada hari ini Kamis tanggal Lima Bulan Januari tahun Dua Ribu Dua Puluh Tiga (05 / 01 / 2023), kami yang bertandatangan di bawah ini:

I. **NAKAMURA TOKIHIRO** : Gubernur Pemerintah Prefektur Ehime, berkedudukan di Jepang yang selanjutnya disebut **PIHAK KESATU**.

II. **BLAMKA HENDRA NOER** : Pengganti Gubernur Gorontalo, berkedudukan di jalan Sapta Marga Kelurahan Batu Keraman Dumbo Raya Kota Gorontalo, dalam hal ini bertindak untuk dan atas nama Pemerintah Provinsi Gorontalo yang selanjutnya disebut **PIHAK KEDUA**.

PIHAK KESATU dan **PIHAK KEDUA** selanjutnya bersama-sama disebut sebagai **PARA PIHAK**, telah bersepakat untuk melakukan kesepakatan mengenai penyerahan sumbangan 4 (empat) mobil ambulans bekas, dengan ketentuan sebagai berikut :

**Paragraf 1
TUJUAN**

Sumbangan berupa 4 (empat) mobil ambulans bekas ini bertujuan untuk mendukung tias medis Pemerintah Provinsi Gorontalo dalam upaya mengurangi dampak bencana alam.

Standards for ambulances to be donated by Ehime Prefecture to the State of Gorontalo

①Seiyo City Fire Department



②Uwajima City Wide-area Administration Association Fire Department



③Kumakogen Town Fire Department



④Ozu City Wide-area Administration Association Fire Department



Partnership in improvement of health service in Gorontalo, by donating four units of ambulances.

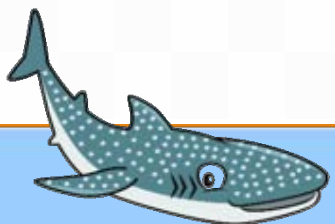


Beyond Environmental Cooperation





- The support provided must have a clear outline up to the year 2026. It should be detailed down to the financing, to be integrated into planning documents if using the APBD budgeting.
- As the budget years in Gorontalo and Ehime differ, efforts should be made to ensure no steps are missed in the planning stages. For the short term, what will be implemented in 2025 should be finalized by June 2024.
- Considering the limited fiscal capacity of Gorontalo, it is hoped that this collaboration can provide support for:
 - ✓ Studies, research, expert personnel, educational visits
 - ✓ Capacity building in the form of short-term training or degree education in the field of environmental science
- Technologies offered/provided should be affordable and reachable, still in line with the resources' capabilities, both human resources and fiscal.
- Supporting Gorontalo Geopark for sustainable development



What We Expect in the future





**ARIGATO
GOZAIMAS**