



CSER PROGRAM

CLIMATE LABORATORY AND NURTURING COMMUNITY





OVERVIEW

CSER PROGRAM





OVERVIEW

- **The Corporate Social and Environmental Responsibility (CSER) Program: Climate Laboratory and Nurturing Community** is a strategic initiative that integrates environmental sustainability with social welfare, contributing to climate change mitigation and local community development.
- **Lembata Island in East Nusa Tenggara** has been selected as the pilot project location due to its diverse ecosystems, ideal for studying climate impacts and developing solutions. The program employs the **Climate, Community, and Biodiversity (CCB) approach** to address environmental issues while enhancing the well-being of surrounding communities.
- By collaborating with **PT Lembata Hira Sejahtera (BATARA)**, the initiative is expected to serve as a model for the sustainable implementation of social responsibility, integrating environmental and social aspects into a harmonious whole, and delivering long-term benefits to the company, the environment, and the local communities.





CSER PROGRAM ROADMAP

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2024-2025



Phase 2: Pilot Project

Based on the findings from the assessment phase, targeted pilot projects will be implemented to test and refine proposed solutions.

2024



Phase 1: Assessment

In this initial phase, we focus on assessing the current environmental conditions, climate vulnerabilities, and socio-economic factors in Lembata Island.

CSER Program Roadmap

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2025-onward

Phase 3: Roll-out Implementation

The final phase involves the large-scale implementation of successful pilot projects across Lembata and other locations, focusing on sustainable practices that promote resilience and environmental conservation.



Phase 1: Assessment (2024)

This include:

- **Data Collection & SOP Establishment:** gathering baseline data on climate patterns, biodiversity, soil health, and water resources, as well as Develop the Standard Operating Procedure (SOP) for the Phase 1 action plan.
- **Stakeholder Engagement:** Collaborating with local communities, government agencies, and research institutions to identify key challenges and opportunities.
- **Risk Analysis:** Evaluating potential climate impacts and risks to local ecosystems and livelihoods.

Phase 2: Pilot Project (2024-2025)

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This phase involves:

- **Experimentation:** Conducting small-scale trials of innovative practices such as agroforestry systems.
- **Monitoring and Evaluation:** Continuously tracking project outcomes to assess effectiveness and make necessary adjustments.
- **Capacity Building:** Providing training and resources to local stakeholders to enhance their skills and knowledge in climate adaption techniques.



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Phase 3: Roll-out Implementation (2025-onward)

Key activities include:

- **Scaling Up:** Expanding proven initiatives to cover larger areas and reach more communities.
- **Partnerships:** Strengthening collaborations with national and international partners to leverage additional support and resources.
- **Impact Assessment:** Measuring the long-term impacts of implemented strategies on climate resilience, ecosystem health, and community well-being.



CSER PROGRAM ACTION PLAN

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Phase 1: Assessment (2024)



Scouting Training

Introduction to Malapari directly in its habitat in Lembata as a potential bio-energy plant for the future



Seeds & Cuttings Collection Training

Understanding how to collect seeds and cuttings.



Stakeholder Engagement

Meeting with office in Lembata Regency to gain input on achieving SDGs, and meeting with various communities to get direct feedback on climate activities that have been and will be conducted.



Trial Planting

Experimental planting of 100 Malapari seedlings in mangrove areas, Social Forestry Land, and others.



Phase 1: Assessment (2024)

Visiting Lembata Island



17-24 September 2024



- 1.Drajat Ananto Wibowo – Environmental Study Dept. Head
- 2.Taufik Adityawan – Sustainability Dept. Head
- 3.Juwita Ajeng W. – Corporate Secretary
- 4.Anggun Lestari – Corporate Sustainability



- 1.Alexander Bala Tifaona – CEO
- 2.Anderias Cornelys N. – Scouting & Database Coordinator



Date	Activities & Counterparts	Description
Day 1: Tue, 17 Sep 2024	Visit Rumah Malapari Lembata	Tour the Malapari Seedling Center to observe current operations and discuss future expansion.
	Meet UPTD KPH Lembata	Visit the UPT KPH office to review their reforestation programs and assess potential areas for social forestry.
	Visit Sahabat Penyu Loang	Meet with the conservation group to learn about their activities and explore potential synergies with CSER efforts
	Visit Mangrove Plantation Area-1	Visit the mangrove area and hold discussions with the head of the local conservation group about ongoing efforts.

Date	Activities & Counterparts	Description
Day 2: Wed, 18 Sep 2024	Scouting Malapari at Kecamatan Nagawutung	Conduct scouting activities to identify potential natural Malapari growth areas.
	Meet Kelompok Budidaya Rumput Laut	Meet with the Seaweed Farming Group to Understand Their Practices and Discuss Potential Integration with the CSER Climate Laboratory and Community Empowerment Programs
	Kelompok Budidaya Mutiara	Visiting the Pearl Farming Group to Discuss Integration with the CSER Climate Laboratory and Community Development Initiatives
	Mangrove Plantation Area-2	Visit the mangrove area and hold discussions with the head of the local conservation group about ongoing efforts.
Day 3: Thu, 19 Sep 2024	Visit Desa Imulolong	Engage with village leaders to understand the status of the Village Forest (Hutan Desa) and ongoing Village-owned enterprise (BUMDes) initiatives.
	Visit Desa Belek-lerek	Explore activities within the Community Forest (HKm) and meet with local farmers to discuss production and BUMDes roles.
	Meet Bupati Lembata for Informal Dinner	Informal meeting with the PJ Bupati Lembata (Dinner) to introduction.



Phase 1: Assessment (2024)

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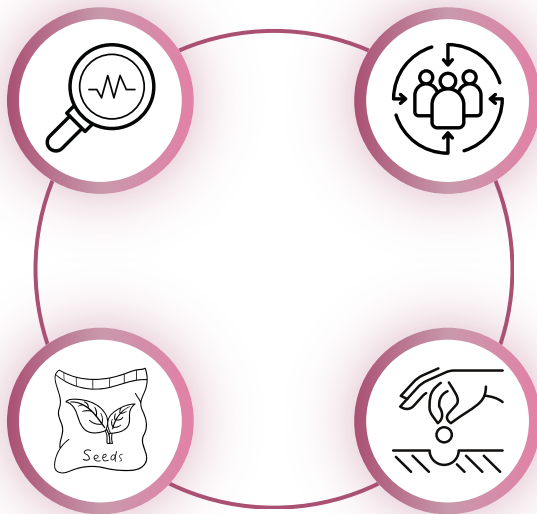
Date	Activities & Counterparts	Description
Day 1: Tue, 17 Sep 2024	Visit Rumah Malapari Lembata	Tour the Malapari Seedling Center to observe current operations and discuss future expansion.
	Meet UPTD KPH Lembata	Visit the UPT KPH office to review their reforestation programs and assess potential areas for social forestry.
	Visit Sahabat Penyu Loang	Meet with the conservation group to learn about their activities and explore potential synergies with CSER efforts
	Visit Mangrove Plantation Area-1	Visit the mangrove area and hold discussions with the head of the local conservation group about ongoing efforts.

Date	Activities & Counterparts	Description
Day 4: Fri, 20 Sep 2024	Desa Lamalera (Desa Pemburu Paus) Mangrove Plantation Area-3	Meet with village leaders and fishermen to discuss local practices and potential collaboration in sustainable development. Visit the mangrove area and hold discussions with the head of the local conservation group about ongoing efforts.
Day 5: Sat, 21 Sep 2024	Pasar Induk Lembata	Observe agricultural commodity sales activities at the central market to understand the local economic landscape.
Day 6: Sun, 22 Sep 2024	Scouting Malapari at Pantai Lewolein	Conduct scouting activities to identify potential natural Malapari growth areas.
Day 7: Mon, 23 Sep 2024	Wrap Up & Discussion	
Day 8: Tue, 24 Sep 2024	Back to Jakarta	



Phase 2: Pilot Project (2024-2025)

Replicating the Phase 1's Activities to New Sites & Implement the Agroforestry System



- **Kalianget Port (Sumenep District, Madura):** This location was chosen because of the presence of the Mobile Offshore Production Unit (MOPU) in the Madura Strait owned by the Company.
- **Contaminated Soil Ex Chevron (Duri, Riau):** This location is selected based on the largest branch of the Company and occupies CHEVRON's ex land with degraded status.
- **Location of the BP Tangguh Project (Papua):** This location was chosen because there is a project between the Company and the BP Tangguh. BP Tangguh has a rehabilitation program around the site of the project, it is expected that on the rehabilitation programme the Company can cooperate in the planting of malapari seeds and accompanying seeds.



CSER PROGRAM OBJECTIVES

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CLIMATE LABORATORY

Environmental Conservation and Rehabilitation

Developing a superior seed nursery for reforestation and Malapari conservation, as well as introducing sustainable agroforestry practices to enhance land productivity and support biodiversity.



NURTURING THE COMMUNITY

Local Communities' Economic Empowerment

Engaging local communities in our CSER Program by implementing agroforestry programs and utilizing natural resource-based economic activities, which leads to a rise in income and a decrease in reliance on non-sustainable resources.

Enhancing Community Involvement and Education

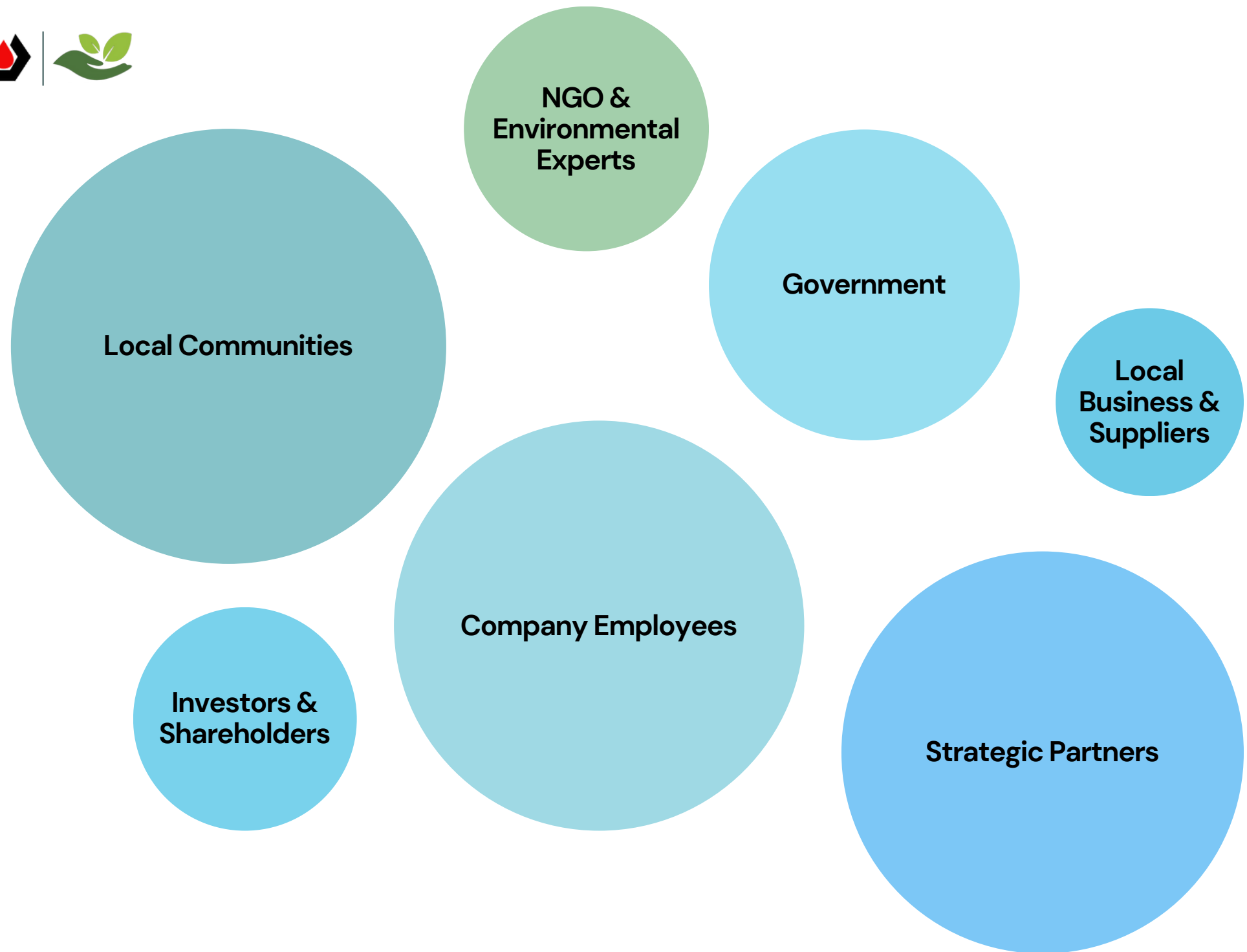
Encouraging active community participation at every stage of the program, while improving access to education and information on sustainability and effective environmental management.



STAKEHOLDERS INVOLVED **AND** **IMPACTED**

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RISKS AND CHALLENGES

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Risks and Challenges



Community Engagement and Social Risks

Community Rejection, Community Dependency, & Community Engagement



Environmental Risks

Climate Uncertainty and Failure in Rehabilitation



Operational Risks

Resource Shortages and Complex Coordination



Financial Risks

Unexpected Costs, Unclear Return on Investment, Early Investment, and Markets and Regulations



Technology Risks

Knowledge and Technology as well as R&D



THANK YOU



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