

Boalemo REDD+ Demonstration Project

- Deforestation is due to socio-economic difficulty.
- We reduce deforestation by improving livelihood of communities.

Boalemo District Government
Gobel Group, Indonesia
Kanematsu Corp., Japan

Boalemo District Governor (“BUPATI”) and REDD+ project team



Gorontalo Province, Indonesia



Sulawesi Island



Gorontalo Province

Deforestation driver is “Slash & Burn” of Corn agriculture

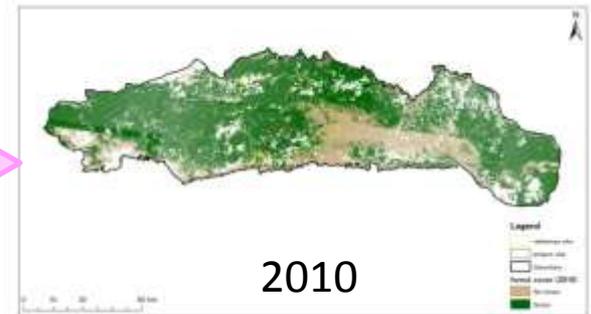
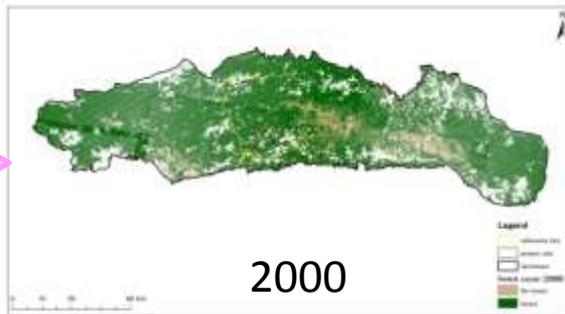
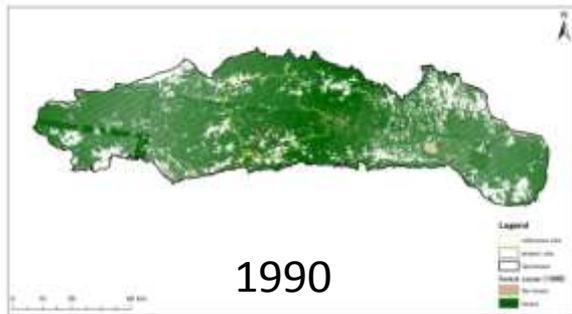
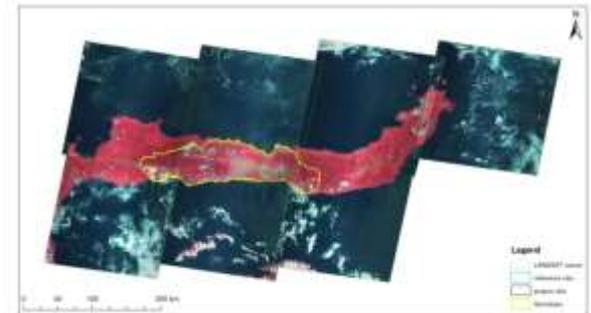
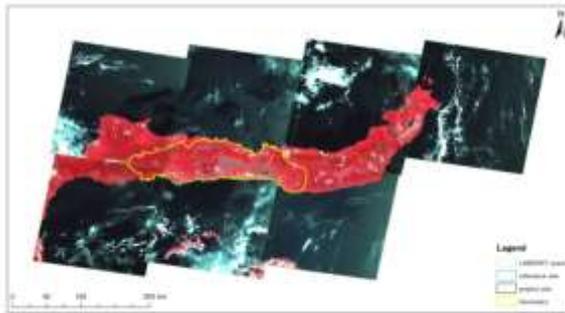
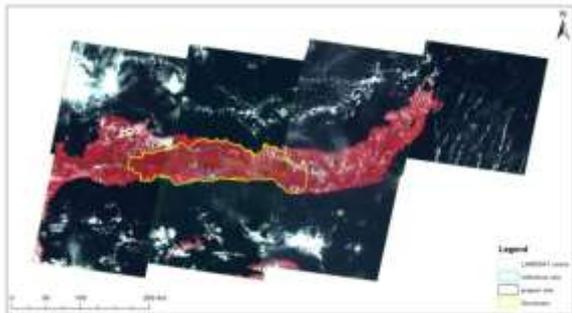
- Corn is major industry of Gorontalo, because the provincial government is providing much subsidies to the corn farmers.



Slash & Burn for Corn agriculture



Deforestation of Gorontalo



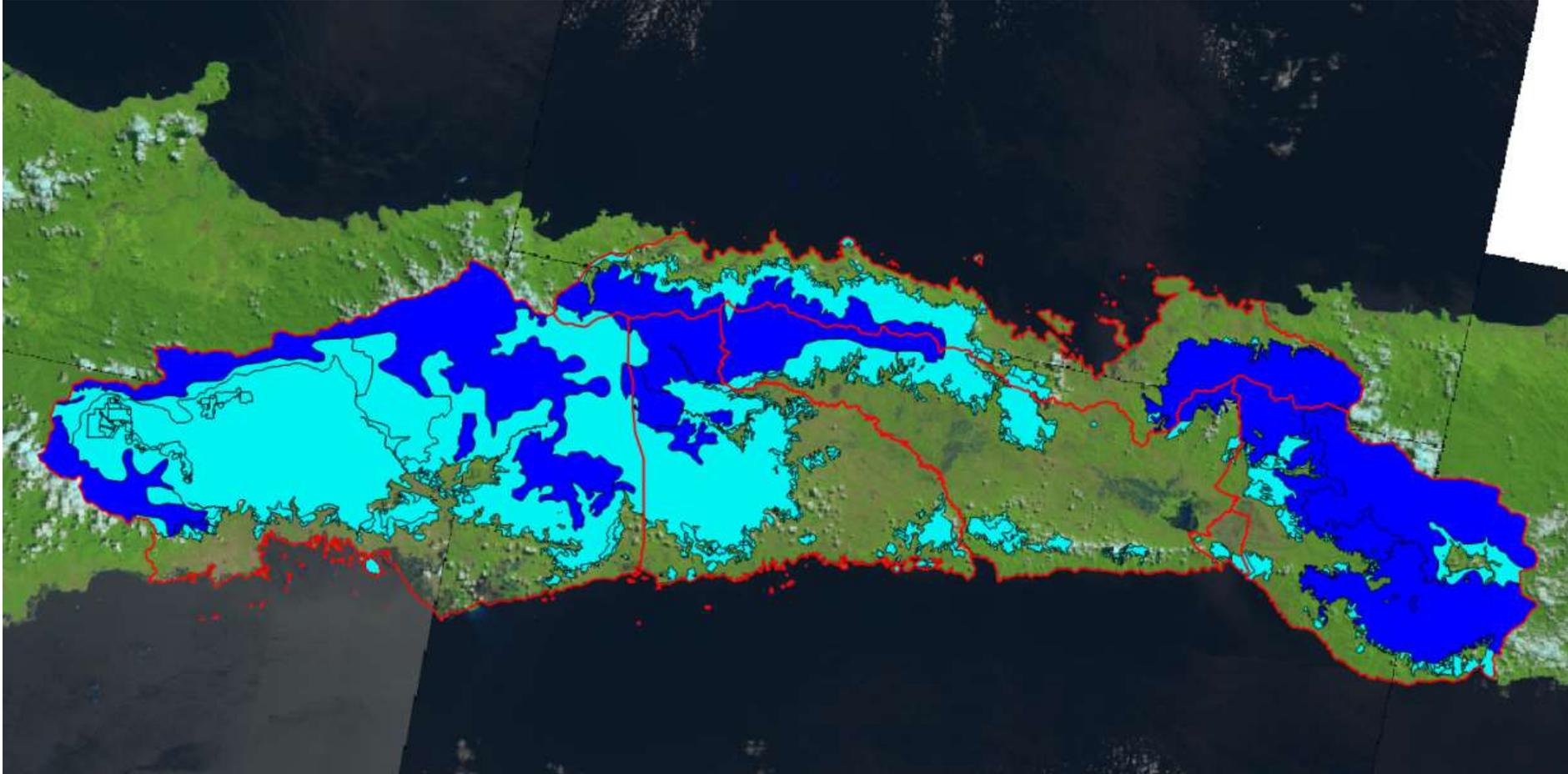
Forest area size (ha)

	1990	2000	2010
Forest	779,832	710,587	592,205
Non-Forest	43,213	112,458	230,547

Boalemo District



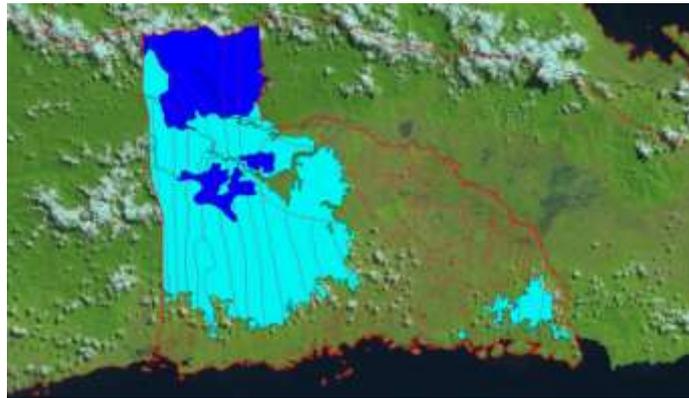
Reference area : Forest area of Gorontalo Province



- We make REL (Reference Emission Level) by deforestation trend of Gorontalo Province.

Project Boundary : Forest area of Boalemo District

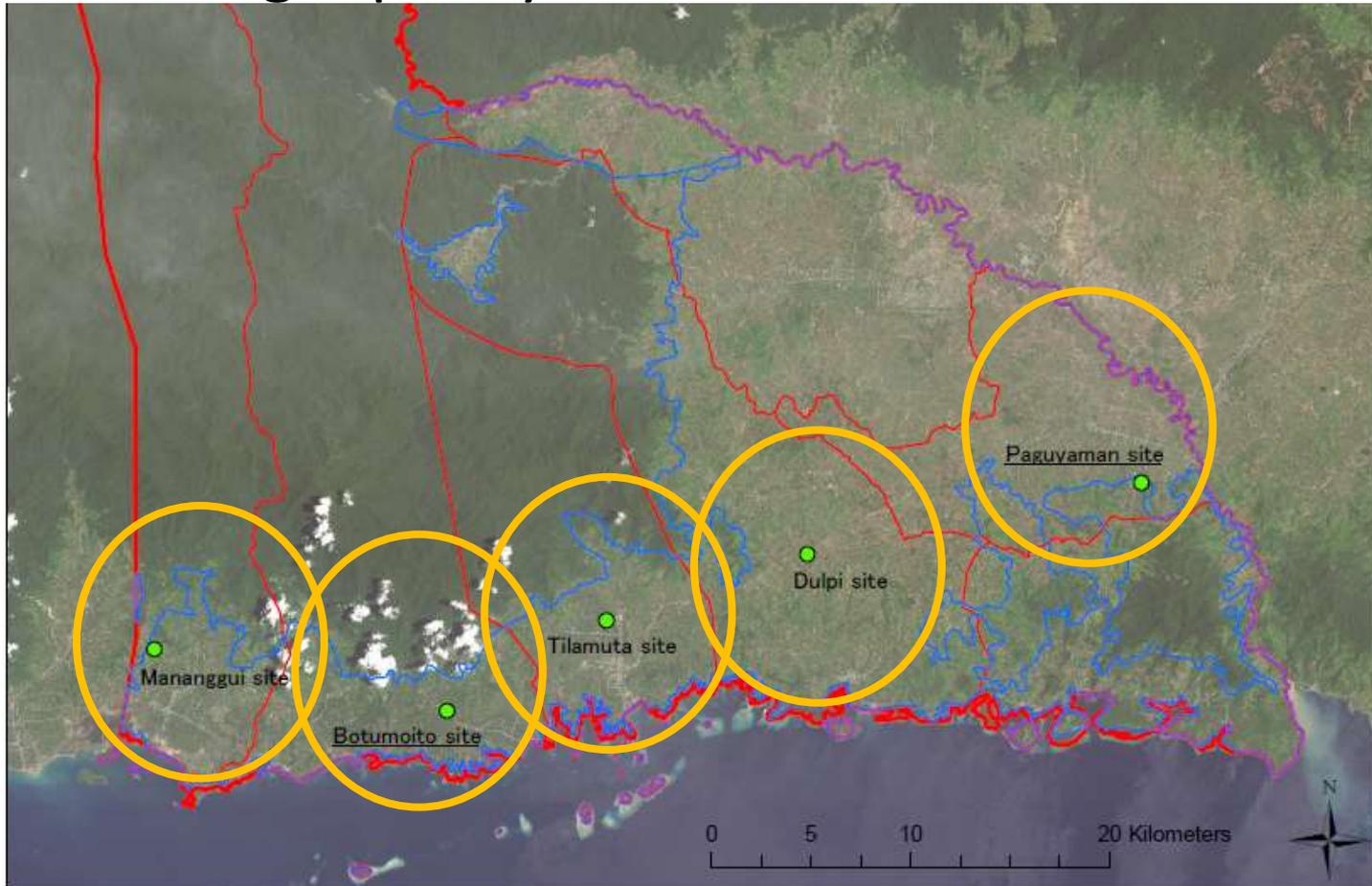
- Our REDD+ project boundary is within this forest area; 88,815ha



- We will monitor the forest area size every year, and will compare with REL, then, we will know the emission reduction amount per year.

Five (5) demonstration cacao farms

- As a part of REDD+ activities, for each sub-district, we have set up demonstration farm to show how to produce high quality cacao.



Cacao Program

- By providing “**Capacity Building**” and “**Value Chain**”, we help farmers to shift from **CORN** to **CACAO**.



Training of cacao production

- We provide “Capacity Building”.
- More than 20 farmers get together in the demonstration farm, then, farmers will broaden the knowledge to local community.



Seed Bed (Nursery)



Demonstration Farm

High Quality Chocolate made from Sulawesi Island

- Dari-K, a Japanese chocolate company in Kyoto, is importing fermented cacao beans made by Sulawesi farmers.

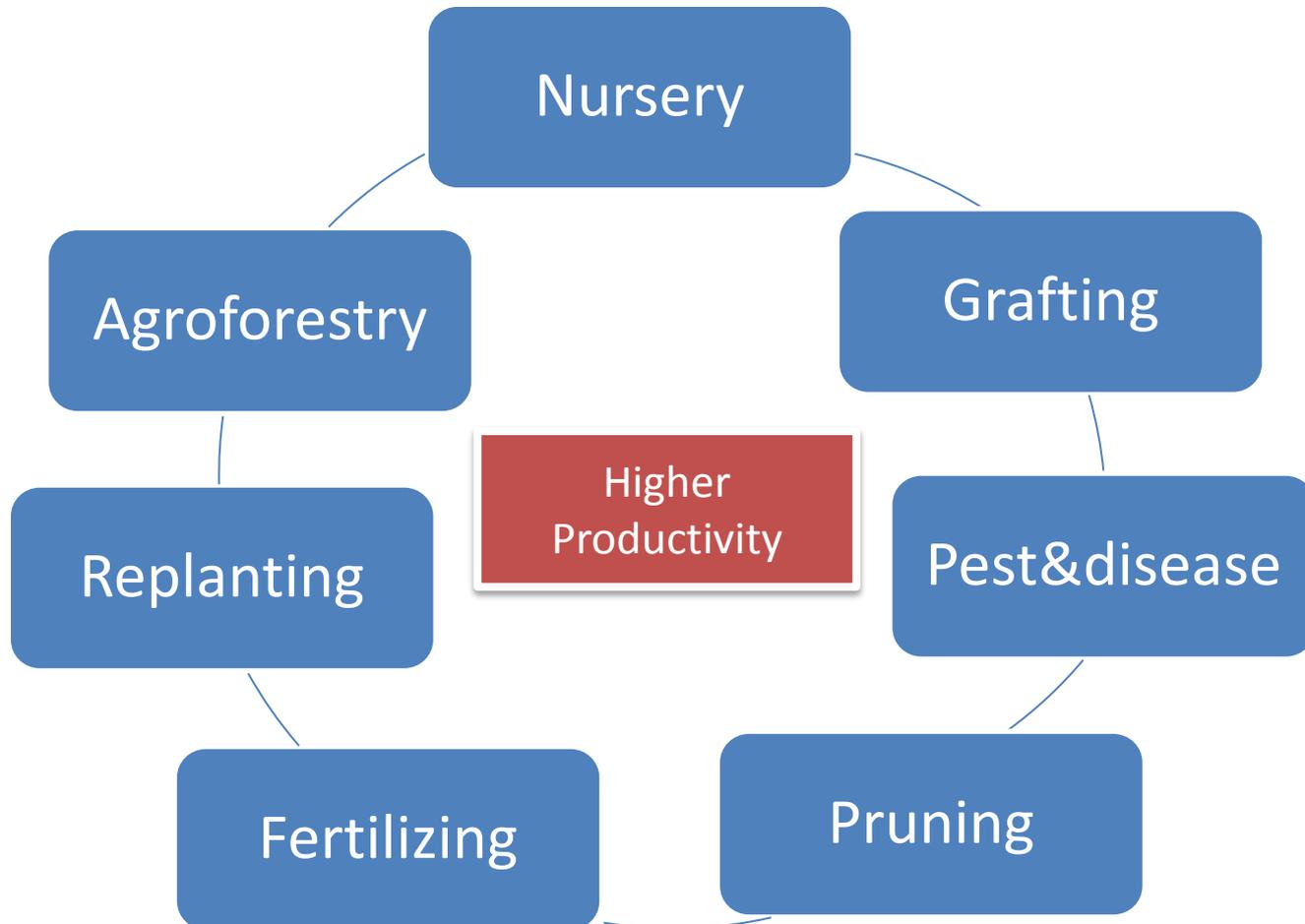


Products of Dari K



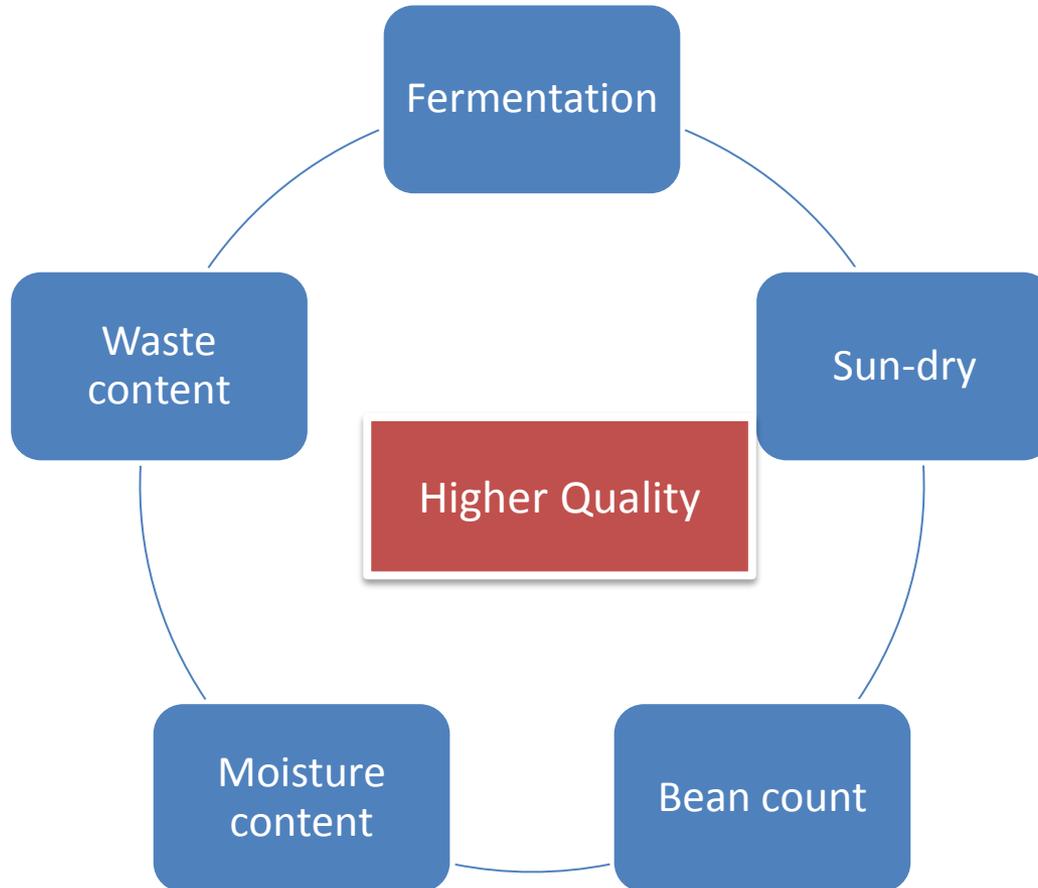
Capacity Building (i)

Maintenance of cacao farms



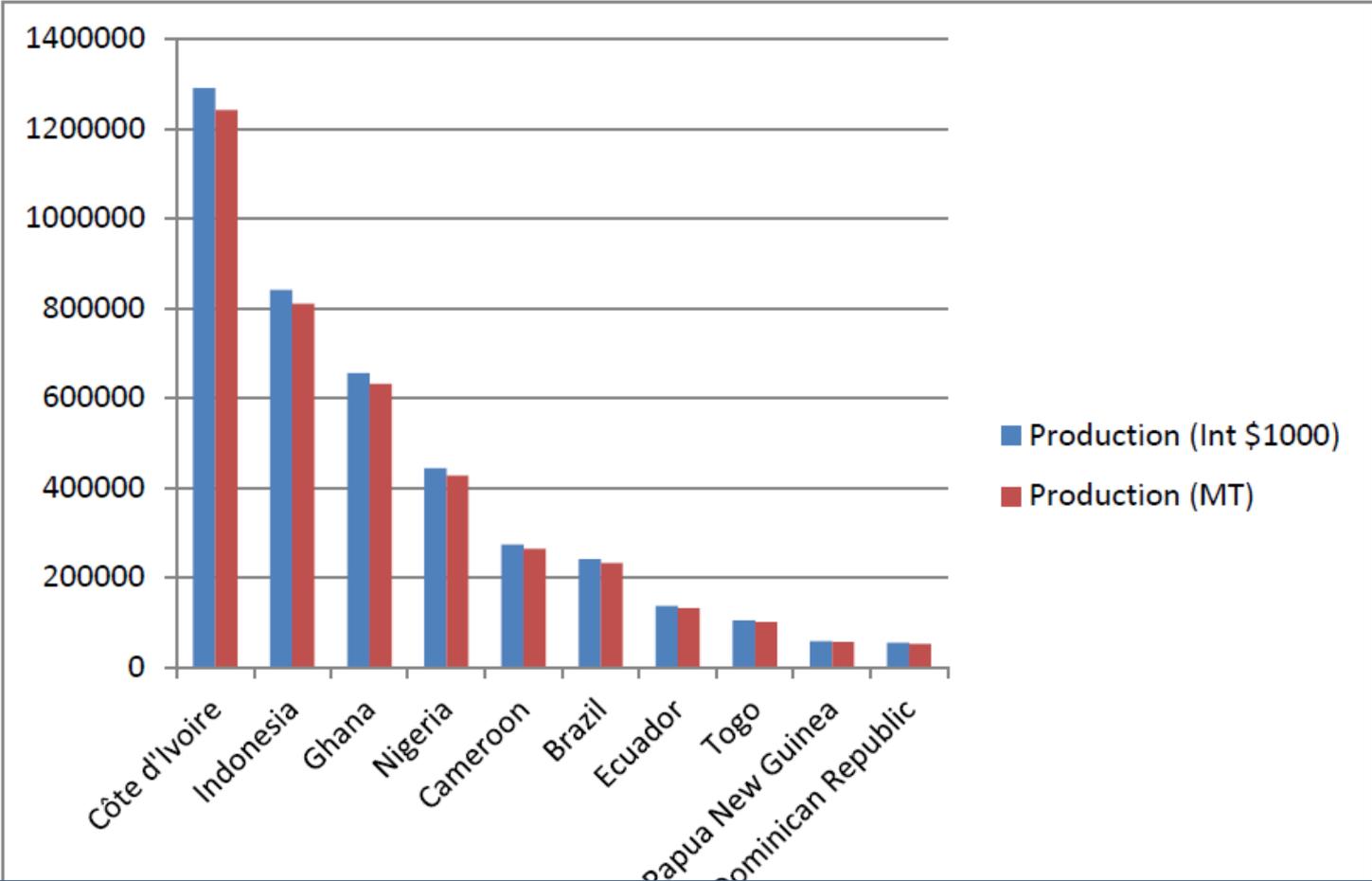
Capacity Building (ii)

Post Harvest Treatment



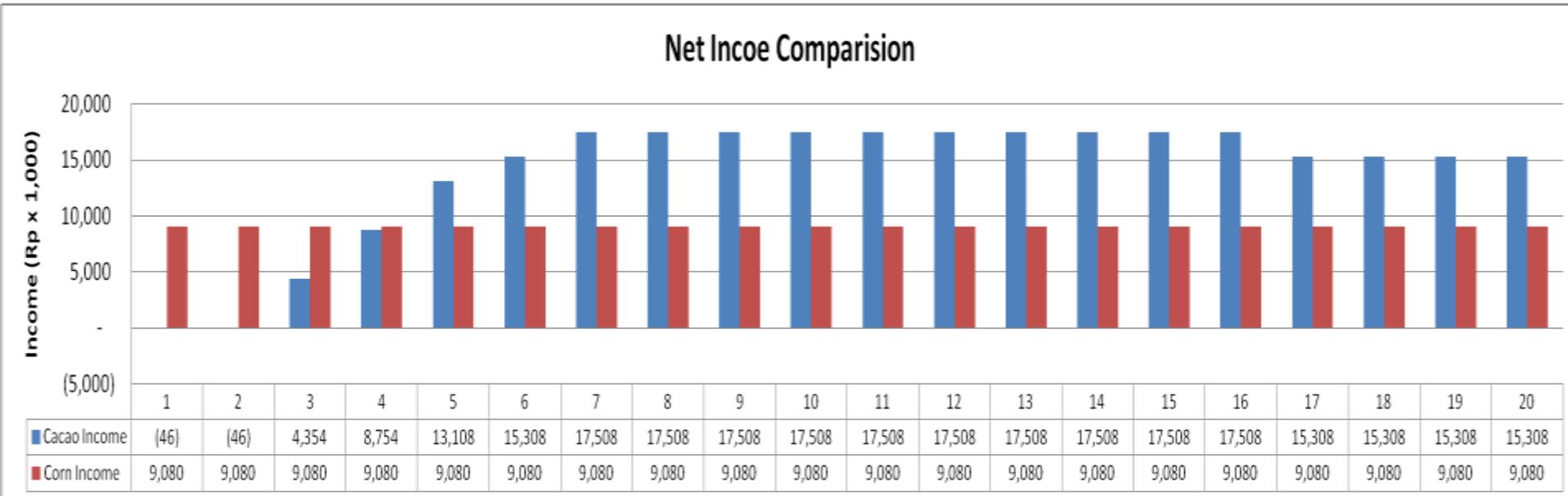
Sulawesi Island is suitable area for Cacao

Figure 1: Top ten cocoa producing countries in 2010 (USD, tonne).



Indonesia is supplying 30% of world Cacao market
Sulawesi is supplying 80% of Indonesian market

Income Comparison “Cacao” vs “Corn”



For the beginning two years,
we provide Microfinance

- ✓ In 5 years, Cacao annual income (Blue) exceeds Corn (Red)
- ✓ 20 years total Cacao income will be 53% more than Corn

Training at the demonstration farms



To get better yield,
we teach important knowledge



Corn farmers learn how to make Cacao



Some corn farmers have already shifted from Corn to Cacao



No rain for long time, this year.
It was difficult for corn agriculture.



To understand our project simply;

- Project Consortium;
 - (i) Boalemo District Government
 - (ii) PT. DKM (Panasonic Gobel Group), Indonesia
 - (iii) Kanematsu Corporation, Japan
- Our REDD+ project activities;
 - (A) CO2 Emission Reduction Project to do “MRV”
 - (B) Cacao Project as “Safeguard Program”

Panasonic Gobel supports the project

- Panasonic Manufacturing Indonesia(PMI) and Panasonic Gobel Indonesia (PGI) has granted sets of solar power system to Boalemo gov.



Concept of our project

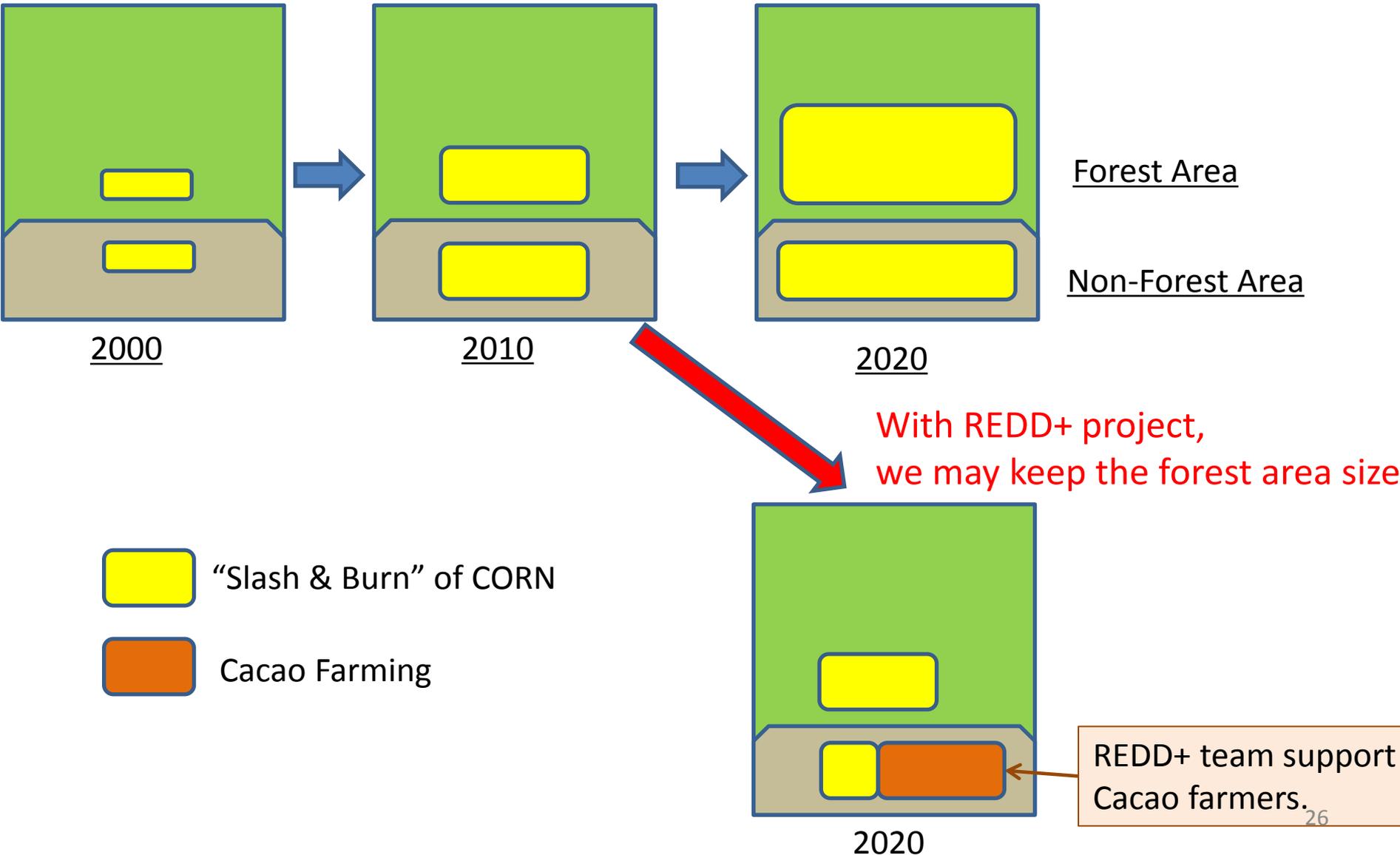
Without REDD+ project, deforestation will increase

Forest Area

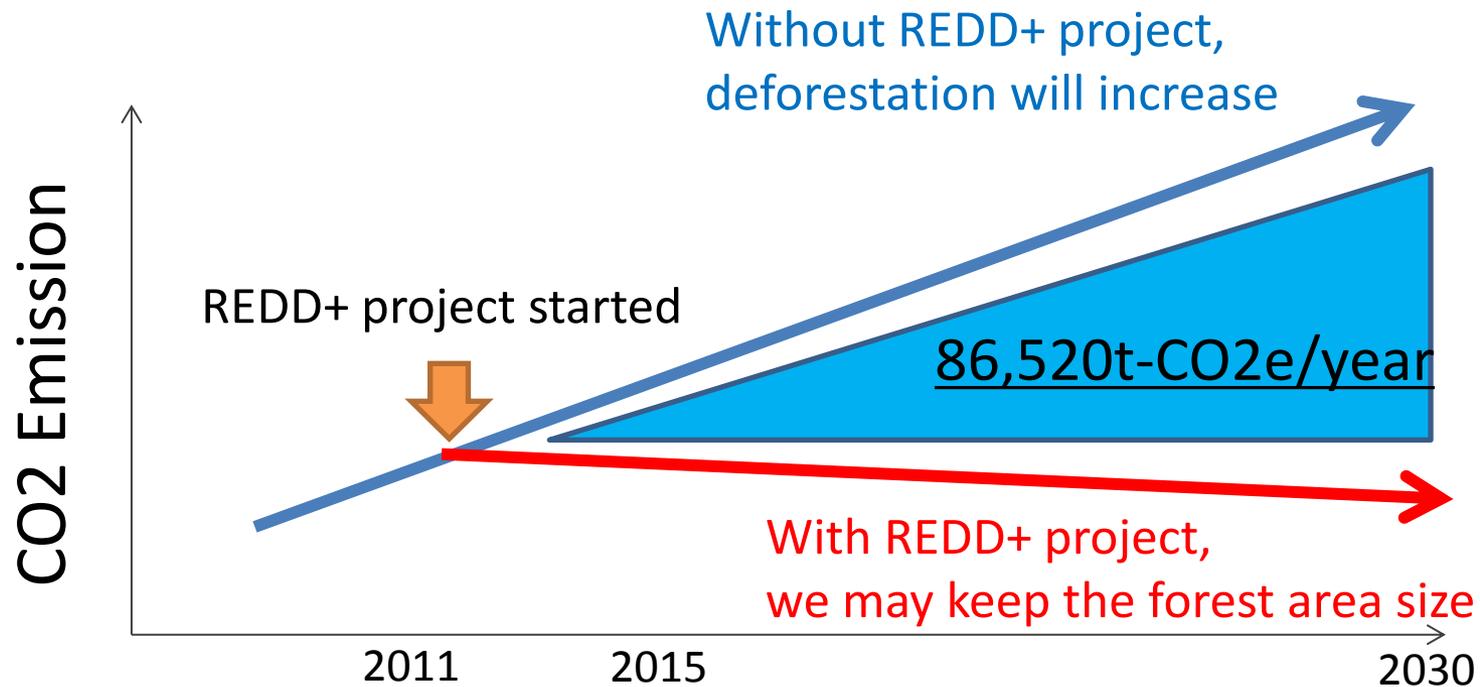
Non-Forest Area

With REDD+ project, we may keep the forest area size

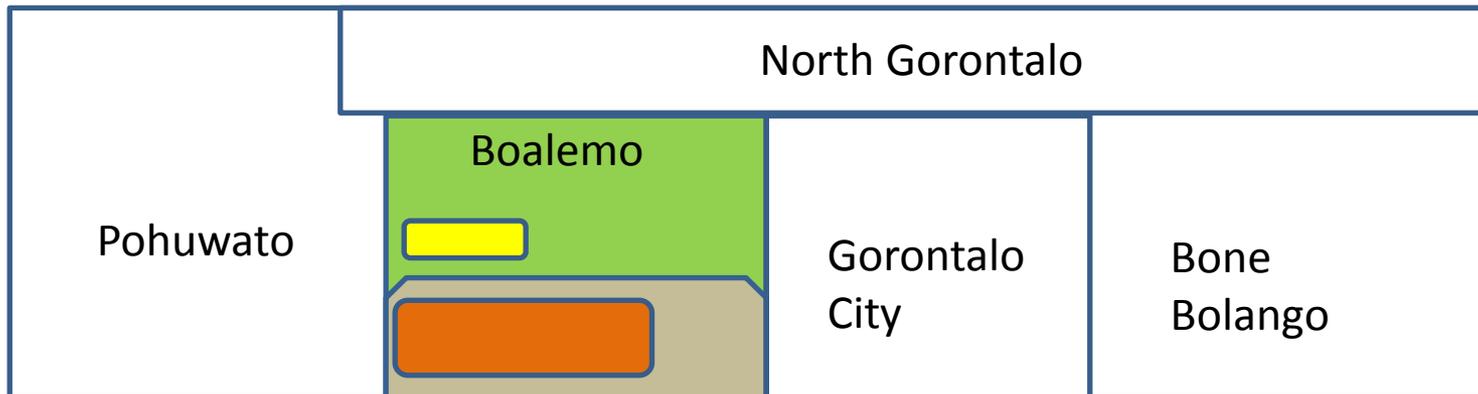
REDD+ team support Cacao farmers.



Estimated CO2 Emission Reduction



Sub-National REDD+



We apply same MRV to whole Gorontalo Province

Thank you for your attention !
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Boalemo farmers produce high quality cacao, and bring prosperity to the community. We hope this program expands over whole Gorontalo.