

Giftmakers to the Earth

LANDMARC Project: Soil Sampling in Bali



NEW
HAMPER
EDITION

AUGMENTED REALITY
IN EDUCATION :
OSAKA HIGH SCHOOL

FGD
BIOGAS TO ELECTRICITY
IN ASEAN

BIOGAS
INSTALLATION IN
JEMBRANA, BALI

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Giftmakers to the Earth

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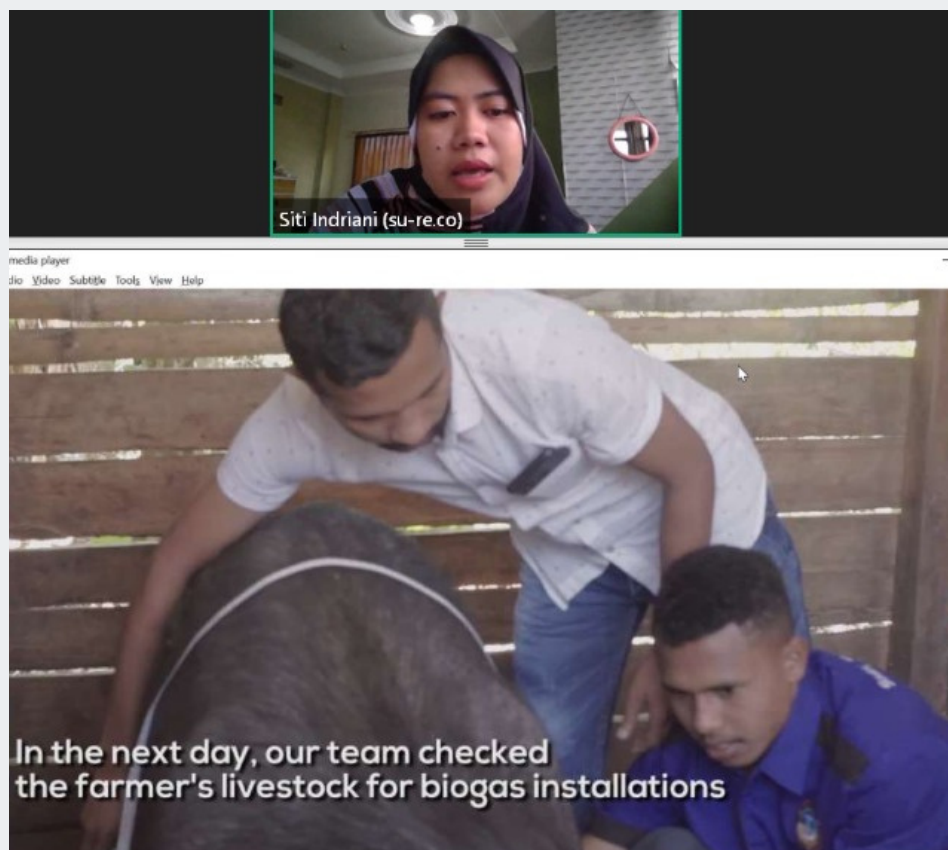


THINK-TANK

LANDMARC First Technical Review Meeting

We had our first technical review meeting for our four-year H2020 European Commission project, LANDMARC (Land-use Based Mitigation for Resilient Climate Pathways). The main goals are to provide a better insight into the project's progress, explain potential challenges, and provide reflection and constructive feedback for improvement to reach the best possible result and impact.

On the second day, Indri, one of our Think team members, presented the Indonesian case study to connect the local narratives and data collection with modelling tools from LANDMARC partners. Biogas, compost, and agroforestry are the subjects of our case studies. During the meeting, we received a lot of questions and feedback. Overall, we are excited about what will come this year. Stay tuned for our updates!



Above
Indri presented our LANDMARC case study



Science Updates

Everything we do is scientifically proven. Check out our most recent publications to learn more about the technical research aspects behind our activities.

www.su-re.co/think



THINK-TANK

Driving Across Bali with Research Team

The 3 days trip with the Giftmakers to support LANDMARC Project with the Indonesian case study "Decarbonization from Compost including Biogas"

One of the Land-based Mitigation Technologies and Practices (LMT) scoping is soil carbon enhancement through in-situ measurement. For our case, we need to analyse the decarbonisation impact on soil through agroforestry practices in Indonesia. With only three days of fieldwork, we arranged a tight schedule for soil sampling at our farmers' locations across Bali. We worked together with Bioclear in the Netherlands who provided the sampling kits.

Indri, Tahir and Cynthia started the trip on March 28. We began the day by meeting with Bali AIAT (Institute for Agricultural Technology) to install a biogas digester for a cacao farmer in Jembrana. It was a 3-hour drive! We installed the digester right away and continued with the first batch of soil sampling. It was a difficult process as the soil was hard to dig. Fortunately, we had support from one of the Bali AIAT's staff and two superhumans, Indri & Tahir, who could do it in the end!

On the next day, we visited Pak Cakra in Jembrana. If you are new in our sure.community, Pak Cakra is a Robusta coffee and cacao farmer who has been working with us since five years ago. We started collaborating with him on the GreenWin & TransRisk project. Now, he is on board with us for LANDMARC! We did the second batch of soil sampling at his coffee & cacao farm. Seeing Pak Cakra again brought back so many memories.

Then we continued the trip to Tangguwisia Beach, located in the Buleleng area. We spent around 2 hours getting there. We did the third batch of soil sampling that was unique. Do you have any idea why? It is because this time, the plant was not coffee nor cocoa. It was *Pongamia Pinnata*! Have you ever heard about this plant before?



It is interesting to analyse *Pongamia Pinnata* since it is a potential plant for oil, bioenergy feedstock, cosmetics, alternative food, etc. This plant can contribute to carbon sequestration and nitrous oxide pollution reduction. The soil characteristic where *Pongamia Pinnata* grows was easier than in our previous areas since it is located on the beach sand, and the process was so smooth!

We took the fourth and fifth batches of soil samples at Pak Dudung & Bali Beans in the Kintamani and Petang area. We had a difficult trip since the road access was not easy. We did a total of 36 soil samplings in both locations, which made this spot the most time-consuming one so far. However, compared to the Jembrana area, this was the easiest sampling we did as the soil wasn't too hard. Then, we interviewed the farmers to assess their social and psychological perspectives and learn more about their farms and experiences.

We wanted to get everything done as quickly as possible because it was our last day, and we needed to return to Canggu before it got dark. Overall, we are extremely grateful for visiting the farm and meeting with some of our farmers in person. The journey is not over yet as we must return the sample to the Netherlands! Stay tuned for more information about our projects!



Project Updates

Get all the updates from our LANDMARC Project activities.

[LANDMARC](#)



THINK-TANK

THE FOCUS GROUP DISCUSSION BIOGAS-TO-ELECTRICITY IN ASEAN

ASEAN-German Energy Programme (AGEP)

The Biogas-to-Electricity Focus Group Discussion (FGD) in ASEAN is part of a partnership between the ASEAN-German Energy Programme (AGEP) and su-re.co to explore the potential of biogas development in the ASEAN power sector as Climate change mitigation and adaptation strategies of the region. It was conducted virtually on 17th March.

Attended by 130+ stakeholders from various backgrounds across ASEAN. We conducted two FGDs to identify the barriers, risks, and opportunities (including policy dimension) as well as the appropriate technologies and feedstock for biogas in the power sector of ASEAN. We had interesting discussions and we could collect stakeholders' perspectives to add to our current desk research and survey results.



DO-TANK

Strategic Collaboration with Bali AIAT (Institute for Agricultural Technology)

We have developed a biogas digester made of economical PVC that can be mass-produced and installed above ground for more efficient repair and replacement. This design reduces installation time from one week to one day and installation costs from 1000 USD to 300 USD.

Our next step is to conduct a mass deployment, where we can target more villages so that more farmers use our biogas digester. We need to move faster by collaborating with more organizations across Bali to do this. Bali AIAT is one of the local organizations which can support our activities.



su-re.co and Bali AIAT or BPTP Bali have met several times to discuss the potential collaboration in supporting farmers. We also actively invited Bali AIAT to attend our international workshops to update the progress of our current projects.

Our strategic collaboration is finally official. Our CEO Takeshi Takama and the head of Bali AIAT, Dr Made Rai, signed the MoU to install biogas digesters for coffee and cacao farmers under Bali AIAT's supervision.

As our first attempt, on March 28, 2022, we installed a biogas digester from Climate Collective for I Nyoman Astrawan (Komang), a cacao farmer from Candi Kusuma Village, Melaya District, Jembrana, who owns 4 cows, 4 pigs, and around 2 ha of cacao farms. The installation started at 10 am and finished at 12.30 pm. Dr Made Rai said, "We hope that biogas installation will provide economic benefits to the farmers and positively impact the environment." This collaboration aims for achieving greater impacts on biogas installation for farmers in Bali, and we hope to work on more areas in the future.

**ARABICA
TYPE**

Varieties s795
Height 1350
MDPL
Full-washed
Process

**ROASTING
METHOD**

Medium Roast

**FLAVOUR
NOTES**

Brown Sugar,
Chocolate,
Orange,
Pineapple



Little Lotus Coffee 7th Grade Kidpreneurs Academy



SU-re.CO
Sustainability & Resilience

This month is the third month of our collaboration between su-re.co and Montessori in running the Little Lotus Coffee business this year. Little Lotus Coffee opens its booth every Friday from 8 AM - 9 AM behind the school gate. They greet parents who just dropped their kids to school, and they will offer morning coffee to enjoy.

Little Lotus Coffee members are very enthusiastic about doing this sustainable business. Some of the Little Lotus Coffee members will share their experiences while running this coffee business!



Tina, 12 years old

Little Lotus Coffee business is doing fine. We received a good response from some customers, but because of the covid situation, the customers are not as many as we expected. I love selling this coffee because it's fresher than any other regular coffee, and we can give farmers biogas. Biogas helps people! To cook food and grow their plants with bio-fertilizer.

During this Little Lotus Coffee business, I learned a lot about dealing with customers, making coffee, and prepare before we opened the booth

Maxim, 12 years old

Little Lotus Coffee business is fun! We are always excited to do the set-up every Friday morning. We start at 7 AM, and what might it was a bit hard because I need to wake up early. We share the special stories of our coffee with the parents, and they are always interested in buying it. I told them about the farmers and the biogas.

I'm interested in having a business. I can learn how to do the calculation, sell stuff, and communicate with the team and customers from this activity,



Kenzi, 12 years old

It's been nice to do the business, but sometimes I also get tired of setting up the booth, hehe! Sometimes the business went well, we received some profits, but the last two weeks was not good since the covid situation increased. This coffee has social impacts on the farmers, and that's why we have good responses from customers. I learned how to make coffee, customer service, basic accounting for the money, and how to manage a business from scratch.

BE-TANK

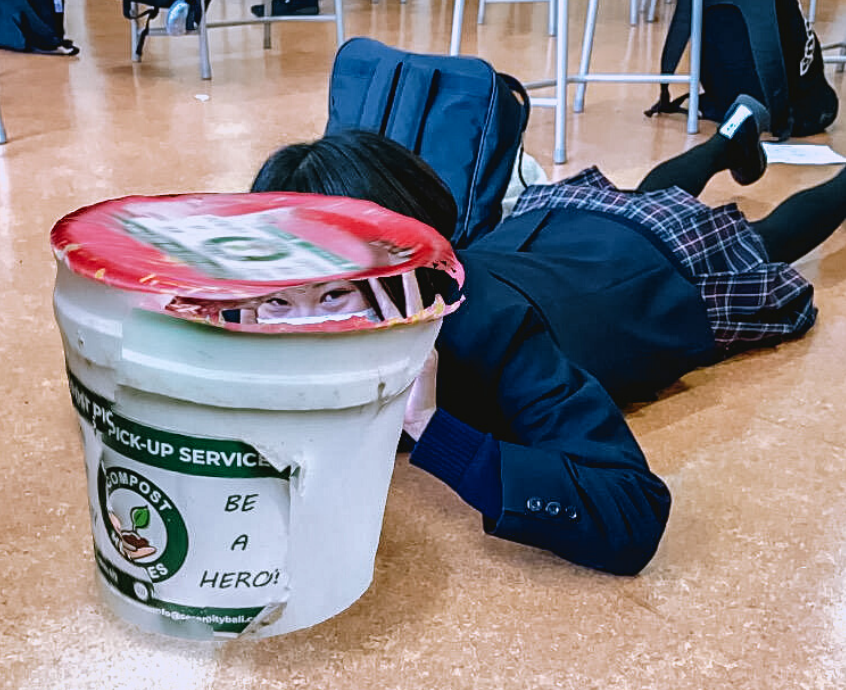
Augmented Reality for Education: Osaka High School

Ever since the pandemic hit us globally, the lifestyle has quickly changed, as has our educational training program. Our team has been working on Augmented Reality (AR) technology to deliver the topic and material.

We recently collaborated again with TigerMov to conduct a training program for 21 students in Osaka High School, Japan. During the program, they learned about the reality of environmental issues in Bali and took the initiative through small actions. Maya, our BE-Training officer, invited them to experience the AR with their own devices during the program.

AR has a substantial benefit in the educational program as an alternative to traditional learning experiences. It provides students with a completely different learning experience by immersing them in a three-dimensional atmosphere with real-world characteristics. The students were enthusiastic about trying the AR objects like our biogas digester, compost, local plants, and the trash barrier from the local community in Bali.

Learn more about our SDGs training program here: <https://www.su-re.co/be>



The World Meteorological Day 2022

This year, BMKG invited our CEO, Takeshi Takama, to attend their virtual event to celebrate the world meteorological day with the theme “Early Warning and Early Action” and spotlight the vital importance of Hydrometeorological and Climate Information for Disaster Risk Reduction.



Above
Takeshi Takama

Takeshi shared his testimonial from 12 years of collaboration experiences with BMKG on the development of adaptation & mitigation projects for climate change. Being ready and able to act at the right time and in the right place can save many lives and protect communities' livelihoods in the present and future.

Our First Offline Partner Gathering



After nearly two years, finally, we held an offline partner gathering at our office. We invited several partners based in Bali to connect and share each other progress throughout the years. It was also the moment to meet other giftmakers who used to work from their home during pandemics. One of the most interesting parts of our gathering was the electric bike trial by Electric Wheel Bali. We are given a chance to have a fun drive session!



Gifts We Make

Get a taste of our climate-smart products from Indonesian farmers using organic fertilizer and clean energy from our biogas

Climate-Smart su-re.cocoa

Bright and fruity character of 65% dark chocolate from Tabanan - Bali with coffee beans inside

50 gr 25 gr



Climate-Smart su-re.coffee Bajawa

A fully washed and medium roasted Arabica from Bajawa, Flores with sweet aromatics, fruity notes, and long chocolate finish

250 gr 50 gr

Climate-Smart su-re.coffee Kintamani

An aromatic and sweet flavor coffee with the taste of combination between fruit and herb. Fully washed and medium roasted Arabica from Kintamani, Bali

250 gr 50 gr



Find our product

<https://su-re.co/things-we-make/>

Gifts We Make

Climate-smart Cookies

Get a taste of our climate-smart products from Indonesian farmers using organic fertilizer and clean energy from our biogas

su-re.coop Kenari Cookies 100 gr

Sweet biscuit with a fairly soft and chewy texture and containing pieces of brittle Kenari Nuts. Our ingredients are natural and organic



su-re.cookies Gluten Free 100 gr

Flat baked pieces that are made with gluten-free grains with su-re.cocoa chips inside. Our ingredients are organic and natural.



Find our product

<https://su-re.co/things-we-make/>

Organic Products

We also provide nuts, beans, and spices that is also supporting the development of sustainable agroforestry value chains

Climate-Smart Dried Vanilla Beans 1 Kg

Organic grade-A prime vanilla beans from Jembrana-Bali offer beautiful floral aroma and cherry-chocolate like flavor



Climate-Smart Cloves 1 Kg

100 % natural and high quality cloves from Leihitu Barat, no use of pesticides or fertilizer

Climate-Smart Kenari Nuts 1 Kg

Organic rich buttery taste and complete protein nuts originate from Maluku



Find our product

<https://su-re.co/things-we-make/>



SU-re.CO
Sustainability & Resilience



Jalak Bali
BY RUMI

Ramadhan Hampers

These Climate-smart Hampers are the best way to express the spirit of giving to your loved ones. By getting this, you have contributed to providing free access to clean cooking energy & organic fertilizer for more farmers and supporting local artisans in Indonesia



Natural Dye



Jalak Bali Furoshiki

Blooming Tea



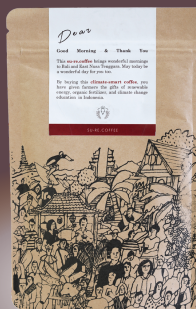
Chauan Artisan

Climate-smart



su-re.cookies Gluten Free

Climate-smart



su-re.coffee Ground



Find our product

<https://su-re.co/things-we-make/>

**APPLY NOW**

WE ARE HIRING

Be A Giftmaker

This position will be responsible for the day-to-day administrative and organizational tasks to support the think-do-be tank activities by ensuring and improving the smooth function of team, project and financial management.

Office Manager

Full Time/Contract Based

Research Assistant

Internship and Full Time

This position will support our current research projects (TIPPING+ and LANDMARC) such as writing papers, proposals, analyze data other relevant assistance, that is mainly focused on clean energy transition and land-use mitigation technology

This position will assist in various do-business activities of su-re.coffee, su-re.cocoa and upcoming products. su-re.co offers a great opportunity to hone communication and design skills while developing green business in a real-world context with various organizations, communities, and government institutions. We are looking for a driven person with the ability to perform tasks independently.

Green Business Developer

Internship and Full Time



SU-re.CO

Sustainability & Resilience

Established in 2015, su-re.co (Sustainability and Resilience) is an environmental Think-Do-Be-Tank based in Bali. Our vision is to be the giftmaker for the earth. To achieve this vision, we set a mission. We deliver well-thought outcomes because we need scientifically proven sustainable and resilient solutions. We work on think, do, be activities together.

Bali, 2022