

Giftmakers to the Earth

Leading the Way in Climate Solutions and Sustainability Initiatives



- Climate Collective Project
- BASE Project
- EECCLiRe
- Water Forum, Cambodia Biogas, Palmoil Jogja

Giftmakers.

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BASE

BASE Project Concludes: What We Accomplished and What's Next

We are delighted to announce the successful completion of the BASE project, 'Building Approaches to Fund Local Solutions with Climate Evidence,' funded by FUNDACIÓN AVINA. This project has empowered us to deliver valuable research and insights to the communities of Sumba, furthering our mission to enhance local climate resilience.



Our findings culminated in a detailed climate rationale, showcasing the significant efforts of our partners, Yayasan Donders and Yayasan *Humba Hammu*. Their dedicated work in Southwest and Central Sumba has provided impactful climate solutions, improving village livelihoods.

At the project's conclusion, a panel discussion was held by the BASE team, Yayasan Donders, and Yayasan *Humba Hammu*, offering valuable insights and recommendations to enhance their methods for future initiatives.

EECCLiRe

Evaluating Our Impact: Field Visits to North Bali and Flores

As part of the EECCLiRe project, the research team members travelled to North Bali and Flores to assess the effectiveness of our climate field schools and biogas systems for coffee farmers in these regions. Monitoring, Evaluation, and Learning (MEL) are vital components of any successful project to not only track progress, but also ensure our interventions meet their intended goals. In cases where additional support is needed, the program can still be modified to tailor to each community.



Our recent evaluations in North Bali and Flores show that the outcomes of the project is still an ongoing progress. From on the field discussions, we still plan to develop a comprehensive manual that fits the need of the coffee farmers in all areas of Indonesia, starting from Bali and Flores.

Climate Collective Biogas Installation



Over the past few months, we've made tremendous progress in expanding our biogas program, thanks to the continued support from Climate Collective. Building on last year's donation of six biogas digesters, Climate Collective has generously provided seven additional units this year. These new digesters were installed in three key locations—Jembrana, Tabanan, and Gitgit—benefiting coffee, cacao, and orange farmers across these regions. The farmers have welcomed this sustainable technology with open arms, eager to reduce their reliance on traditional fuels and embrace cleaner energy solutions.

In June, we were invited by BMKG Climatology Station Bali to present about biogas in the Climate Field School (CFS) targeting a new group of orange farmers. This workshop was pivotal in educating farmers about the impacts of climate change and the benefits of adopting biogas technology. By integrating CFS into our outreach strategy, we've been able to effectively introduce biogas to new farming communities, ensuring they have the knowledge and skills to operate and maintain the systems independently.

Recognizing the unique challenges posed by colder regions like Gitgit and Tabanan, we are piloting a greenhouse system designed to enhance biogas production in these areas. Cold weather can significantly impact the efficiency of biogas digesters, and this innovative approach aims to mitigate that issue. If successful, this greenhouse system could open up biogas technology to even more farmers in cold climates, further expanding our reach and accessibility. We're deeply grateful to Climate Collective for making these advancements possible and for helping us reach more farmers in Bali. If you or your group would like to contribute to this transformative initiative, we invite you to get in touch and join us in supporting sustainable agriculture in Indonesia.

Landmarc, Jiwa, Coop Coffee

Our engineering team has been actively involved in several impactful biogas installations over the past few months, contributing to sustainable energy solutions across various communities. Here's a recap of our key projects:



Landmarc: In March, we hosted the Landmarc general assembly in Bali, where the team committed to offsetting some of the carbon footprint generated by travel through biogas installations and tree planting. The first biogas digester was successfully installed and is already in use, with the system now fully inflated and ready to provide biogas for the farmer.

Additionally, the bioslurry—a valuable byproduct of the biogas process—is already flowing and can be used as an organic fertilizer, supporting soil health. This aligns perfectly with Landmarc's initiatives to promote sustainable agriculture. In June, we installed a second digester for a horticulture farmer who was inspired by the benefits observed from the first Landmarc biogas system. Landmarc, a research project funded by the EU, continues to drive forward innovative solutions for carbon offsetting and sustainable farming practices.

Jiwa: Our long-standing partnership with Jiwa has been further strengthened with the addition of a new, larger biogas system. Previously, Jiwa had been utilizing a single biogas digester, which proved highly beneficial for both the farmer and the team. In response to increased demand, we installed a second, more substantial system during a Saturday gardening session with Jiwa volunteers.



This new bottom-load digester was set up alongside the existing one, with plans for them to work in parallel to provide consistent and ample biogas for cooking and other needs. Both systems are now fully inflated and ready for use, marking a significant upgrade in Jiwa's sustainability efforts.

Coop Coffee: We recently installed a biodigester at the "Farmers Support Center by Coop Coffee" in Catur Village, marking a significant innovation for su-re.co. This project is our first attempt to use coffee waste—specifically coffee husks, which are often underutilized by farmers—combined with cow manure as the feedstock for biogas production.



The goal is to effectively recycle coffee waste and create a sustainable energy source. If successful, this approach could allow us to engage more coffee farmers and close the loop within the coffee industry by utilizing coffee waste and then using the resulting organic fertilizer to benefit coffee plants. This initiative underscores our commitment to enhancing sustainability in agriculture and renewable energy production.



Capstone students

Australian Students Join su-re.co in Biogas Innovation!

Su-re.co recently welcomed a group of enthusiastic Australian students from RMIT university as part of the Capstone project. These students are collaborating with us to explore ways to optimize coffee waste for biogas production. To address the challenge of reducing the carbon footprint of the coffee supply chain, their idea is to use coffee husks alongside traditional manure in biodigesters.



To make it real, we embarked together on a discovery week in Bali, culminating in a visit to our office, a trip in Wanagiri region and a time for research and experimentation. During the field expedition they actively participated in the installation of a top-load biodigester, getting a firsthand look at the technology in action, one of their objectives being to improve the current design system. They also had the opportunity to ask questions and engage with our team and with local farmers, gaining valuable insights into coffee production and supply chain and biogas systems. Furthermore, they collected coffee samples for the continuation of the Capstone study.

Back in Australia, they are currently carrying out research to find the optimum ratio between manure and coffee husks and also testing the design they made for our biogas. Their work will lead to the development of a new smart farming practice that su-re.co will pass on to coffee growers. We will continue this initiative up until october where we will have a final presentation from the students.



Water Forum, Cambodia Biogas, Palmoil Jogja

Pioneering Climate Solutions: su-re.co CEO
at Major Sustainability Forums

World Water Forum:
Our CEO, Takeshi Takama, delivered closing remarks at the 10th World Water Forum, focusing on resilience and sustainable coalitions for water-secure catchments. The event, held on Thursday, May 23 organised by Nature Hub, brought together speakers worldwide to discuss water-related issues.



Cambodia Biogas:

At the ASEAN-CRN Regional Knowledge Exchange Event in Cambodia, Takeshi showcased su-re.co's innovative biogas digester technology and Climate Field School initiative. Our biogas digesters convert agricultural waste into clean energy, tackling waste management and energy production. Profits from coffee sales are reinvested into these programs, empowering farmers with knowledge and technology to enhance climate resilience. This holistic model promotes sustainability and economic empowerment for farmers.



Sustainpalm:

Takeshi recently participated in the SustainPalm Annual Closed Meeting in Yogyakarta, where key stakeholders gathered to discuss the future of sustainable palm oil production. SustainPalm is dedicated to transforming the palm oil industry by promoting sustainable practices that protect the environment, support local communities, and ensure economic viability. Takeshi's involvement in this meeting aligns with su-re.co's mission (be-tank) to drive sustainability forward through educating our experiences from our think-and do-tank.



from



excess



to



energy.

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 Kintaman, Bali

250 gr 50 gr



Find our products

www.su-re.co/things-we-make/

su-re.college Programme

The su-re.college programme by su-re.co offers students and recent graduates the opportunity to gain direct practical experience with think-do-be operations related to climate change and sustainability issues. This program allows you to get the experience both online and onsite. For those who want to learn and get exposed to real projects related climate change and sustainability issues.

➔ THINK-RESEARCH



su-re.co offers the opportunity to hone research thinking and skills while applying it to a real world context engaging with various stakeholders such as governmental bodies, research institutes and local communities.

➔ DO-BUSINESS



su-re.co offers a great opportunity to hone communication, business and design skills while developing green business to a real-world context with various organizations, communities, and government institutions.

➔ DO-ENGINEERING



Through this programme, su-re.co offers the opportunities for young generation to exercise their communication and management skills to solve energy-related issues in in poor and emerging economy context like Indonesia.

➔ BE-EVENT & TRAINING



su-re.co offers you the opportunity to apply your knowledge directly to our local and international partnership to community and improve transversal training and communication skills – communication, project management, public relations, etc.

HOW TO APPLY?



VISIT OUR WEBSITE

<https://www.su-re.co/su-re-college>



PAY ATTENTION TO

Eligibility & requirement



FILL IN THE FORM AND UPLOAD THE REQUIRED DOCUMENTS

<https://www.su-re.co/su-re-college>

NOTE

- Programme duration: 3-6 months
- Application will simply not be processed if there are missing documents and if instructions are not followed.
- Only shortlisted applicants will be contacted



SU-re.CO

Sustainability & Resilience

Established in 2014, 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.

We deliver well-thought outcomes because we need scientifically proven sustainable and resilient solutions. We work on think, do, be activities together.

Bali, 2024