



SMALL SCALE CASSAVA STARCH PROCESSING PLANT





Social Production Hub



SBDI CENTER
Sustainable Business Development
and Innovation Center

Introducing Rumah Mocaf & SBDI Center Foundation

Rumah Mocaf is a mission-driven enterprise dedicated to empowering local farmers and developing sustainable agricultural practices, particularly in the production of Modified Cassava Flour (MOCAF). Focused on innovation and inclusivity, Rumah Mocaf supports rural communities through value-added processing and farmer collaboration.

SBDI Center Foundation is a non-profit organization focused on sustainable development, bio-organic agriculture, and inclusive economic empowerment. Through education, research, and strategic partnerships, the foundation aims to build resilient communities and promote sustainable food systems.

Partnering for Impact – SDG 17: Partnerships for the Goals

In the spirit of **SDG 17: Partnerships for the Goals**, Rumah Mocaf and the **SBDI Center Foundation** have joined forces to develop a transformative initiative:

Mocaf Social Production Hub

The **Mocaf Social Production Hub** is an integrated production facility and educational platform focused on:

- **Cassava Sustainable Circular Organic Agriculture**
 - **Modified Cassava Flour (MOCAF) Production**
-

What We Do

At the Mocaf Social Production Hub, we:

- Share our expertise in **bio-organic agriculture** and **product innovation**.
- Operate as a **training and educational factory**.
- Empower **farmers, cooperatives, and startups** from around the world.
- Promote **economic growth, food security, and sustainable agriculture**.

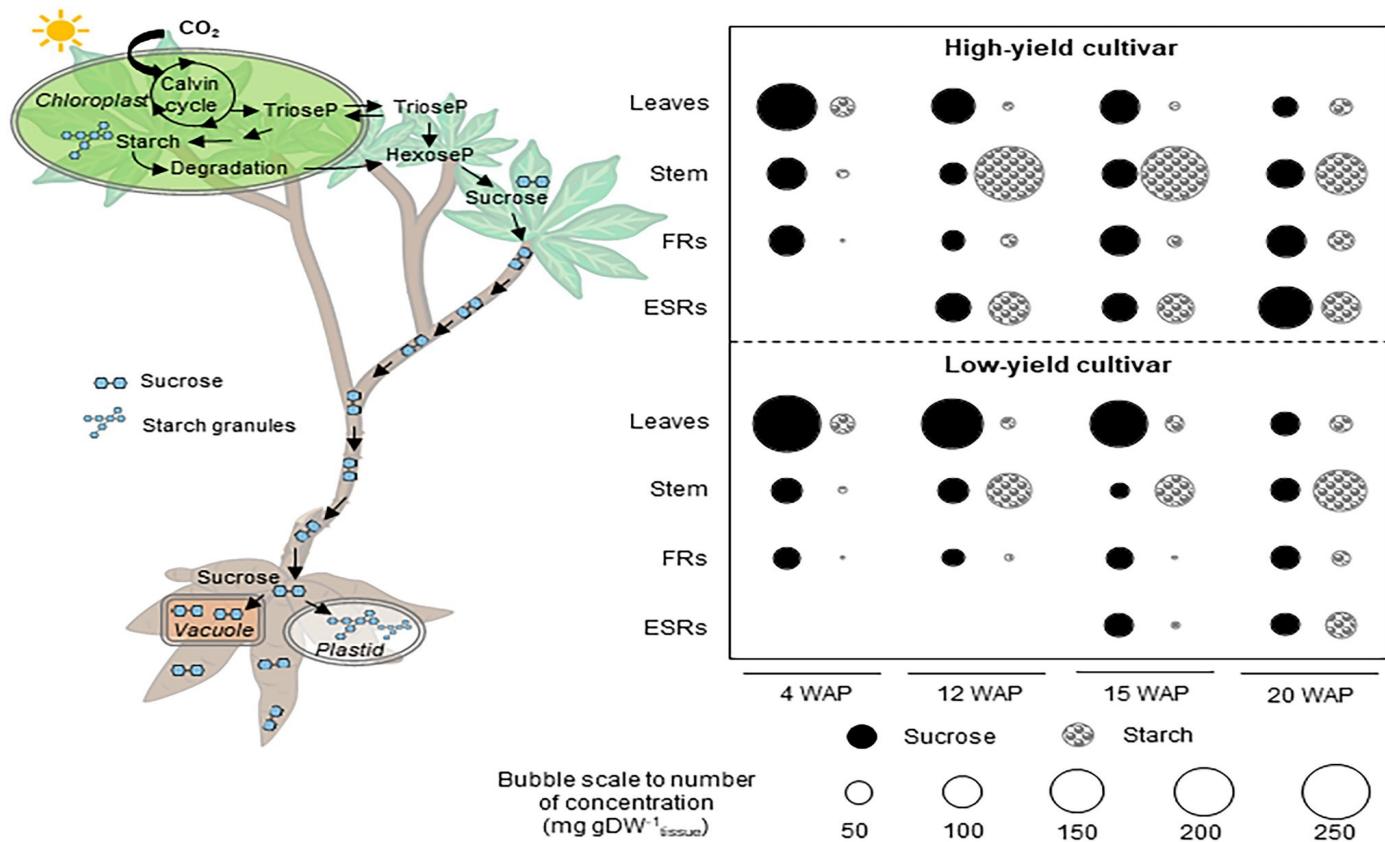
Together, Rumah Mocaf and the SBDI Center Foundation are building a model for inclusive and sustainable development—transforming cassava into a vehicle for global change.

Cassava: The Zero-Waste CO₂ Champion Carbon Capture – Photosynthesis Powerhouse

Cassava absorbs 40–60 tons of CO₂ per hectare per year through photosynthesis.

Its large leafy canopy and long growth cycle (8–24 months) allow continuous carbon capture.

This CO₂ is locked into starch, roots, stems, and leaves.





Nothing Goes to Waste

Circular Utilization – Nothing Goes to Waste

Every part of cassava stores captured CO₂ and can be reused, ensuring no emissions “leak” back into the atmosphere:

Food & Flour

- Cassava roots → **MOCAF (Modified Cassava Flour)**.
- This starch-based food represents direct carbon storage from CO₂ in the air, now transformed into nutrition.

Bioenergy (Emission Reduction)

- **Biogas from peels & wastewater** replaces firewood/coal, cutting deforestation & fossil CO₂.
- **Bioethanol from cassava starch** displaces gasoline, reducing transport emissions.

Fertilizer & Compost

- By-products (peels, pulp, leaves) → **organic compost & biofertilizer**.
- Returns carbon into the soil → improves fertility & water retention.
- **Biochar from residues** locks carbon for centuries, making agriculture carbon-negative.

Animal Feed

- Peels & leaves → **animal feed**.
- Reduces demand for maize & soy (major deforestation crops), cutting global land-use emissions.

Industrial Uses

- **Bioplastics from cassava starch** replace petroleum plastics → less fossil CO₂.
- **Activated carbon from residues** → water purification while storing CO₂ in solid form.

Biogas Outputs from Cassava

- **Methane (CH₄)** → Renewable energy for cooking, electricity, or fueling vehicles.
- **Digestate (slurry left after digestion)** → Rich in nitrogen, phosphorus, and potassium, perfect as organic fertilizer or compost.

Climate Impact & Carbon Balance

Climate Impact – The Carbon Balance

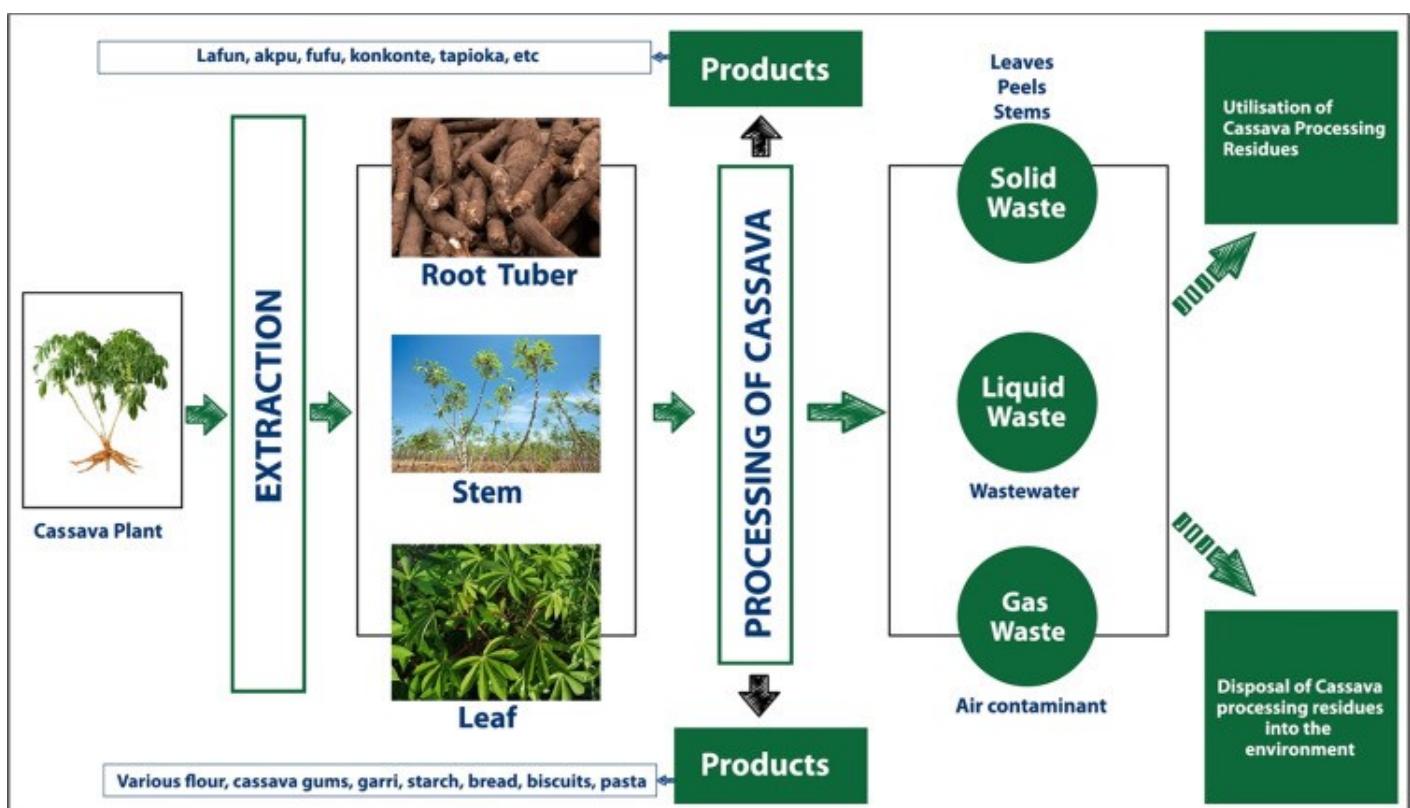
- ✓ **CO₂ Capture:** Cassava absorbs huge amounts of CO₂ during growth.
- ✓ **Circular Use:** Nothing wasted → food, fuel, fertilizer, feed, materials.
- ✓ **Emission Reduction:** Displaces fossil fuels, chemical fertilizers, plastics.
- ✓ **Carbon Storage:** Compost & biochar return carbon to the soil, creating a **carbon sink**.

Cassava as a Carbon Solution

Cassava is not only food security for millions, but also a **CO₂-fighting crop**.

- It absorbs carbon efficiently,
- recycles every by-product, and
- reduces emissions across multiple sectors.

From root to leaf, cassava builds a sustainable, zero-waste, carbon-negative system.





Key Health Benefits

Key Health Benefits

6 Health Benefits of **CASSAVA**



Digestive Health:

Cassava's fiber content promotes regular bowel movements, prevents constipation, and supports a healthy gut microbiome.

Energy Source:

With its high carbohydrate content, cassava provides the body with energy to perform daily activities.

Heart Health:

It contains fiber that helps lower cholesterol levels and the mineral potassium, which is essential for maintaining healthy blood pressure.

Immune Support:

Vitamin C in cassava acts as an antioxidant, fighting free radicals and protecting against cell damage.

Gluten-Free Option:

Cassava is naturally free of gluten, making it a safe and nutritious food choice for people with Celiac disease or gluten sensitivity.

Skin Health:

Cassava contains beneficial compounds and antioxidants, including vitamin C and A, that help maintain skin health and function.

How Cassava Contributes to Overall Wellness

Nutrient-Rich:

Beyond its primary benefits, cassava offers other vitamins and minerals that support various bodily functions.

Weight Management:

Its fiber content promotes satiety, which can help with healthy weight loss and prevent obesity.

Disease Prevention:

The fiber and resistant starch in cassava can help manage blood sugar and cholesterol levels, potentially reducing the risk of certain chronic conditions.



SBDI CENTER

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and
Innovation Center



Crowdfunding & fundraising

Crowdfunding and fundraising

Our Strategy combines both approaches:

1. **Crowdfunding** to generate grassroots support, increase visibility, and engage our wider audience.
2. **Fundraising** to attract serious investors who seek financial returns and long-term growth opportunities.
3. **Networking** to leverage existing relationships and partnerships, creating a sustainable flow of funding.

By integrating these three pillars, we maximize outreach, credibility, and financial impact.

Crowdfunding

Crowdfunding is a method of raising money by collecting small contributions from a large number of people, typically through online platforms. It allows individuals, communities, or organizations to support a project or business idea, often in exchange for early access to products, recognition, or simply to contribute to a cause they believe in.

Fundraising

Fundraising is the process of gathering financial support from individuals, organizations, or investors to finance a project, initiative, or business. Unlike crowdfunding, fundraising often involves larger contributions and may include offering financial returns, equity, or other benefits to investors. It can be carried out through events, campaigns, or specialized investment platforms.

Networking

Networking is the process of building and maintaining relationships with individuals, organizations, and institutions that can support the project. Unlike crowdfunding and fundraising, which focus on direct financial contributions, networking leverages trust, reputation, and shared goals to create opportunities for investment, collaboration, and long-term partnerships.

Rumah MOCAF Crowdfunding

Crowdfunding and fundraising

Crowdfunding Strategy

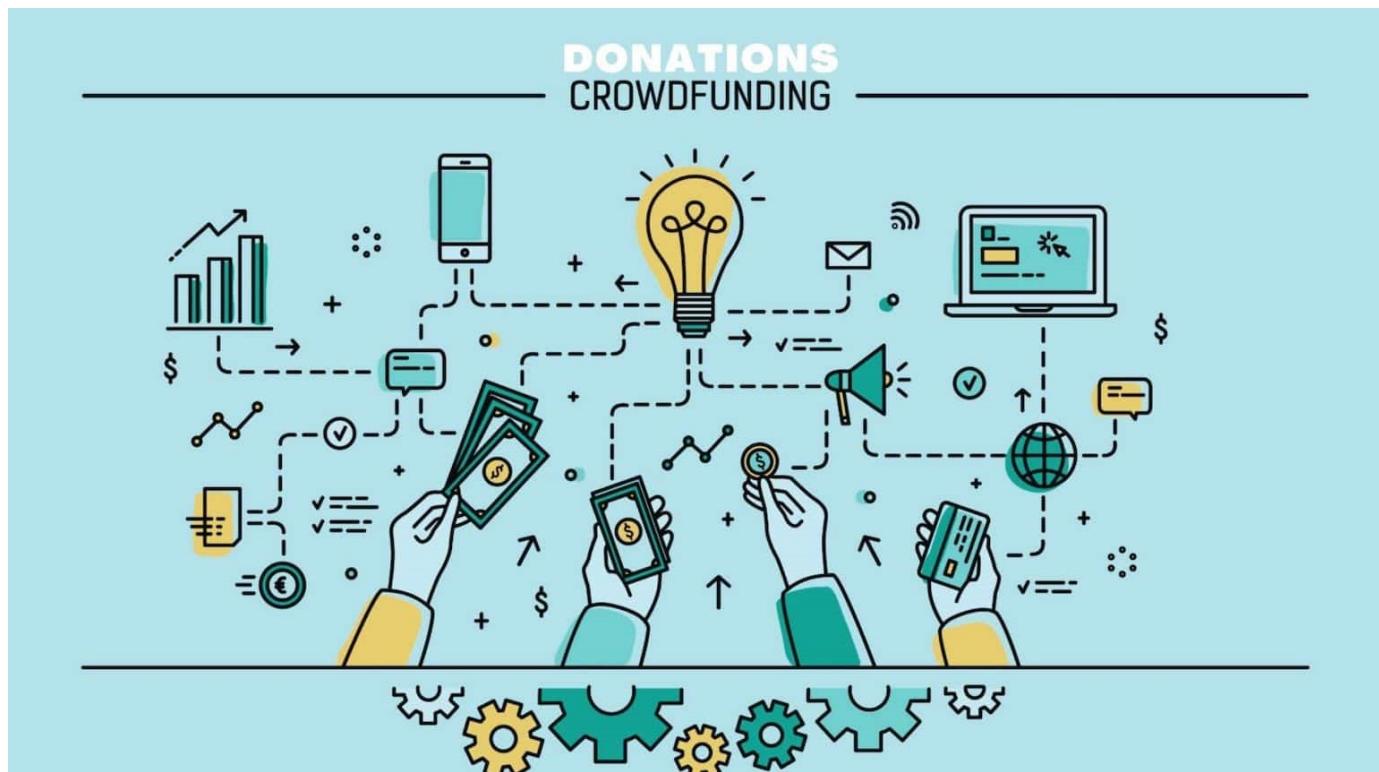
Crowdfunding is a method of raising funds by asking a large number of people (the "crowd") to contribute small amounts, usually through online platforms. This strategy builds awareness and community engagement.

Recommended Platforms:

1. Kickstarter – For creative and innovative projects.
2. GoFundMe – Donation-based, strong for social causes.
3. Indiegogo – Flexible funding campaigns.
4. Fundly – Easy-to-use donation platform.
5. Chuffed.org – Focused on non-profits and impact projects.

Promotion Strategy:

- Publish campaigns on YouTube, Facebook, Instagram, TikTok, and LinkedIn.
- Encourage audiences to share the campaign within their own networks.
- Use short videos, testimonials, and visual storytelling to maximize impact.





Crowdfunding

How can you benefit ?

How can you benefit ?

1. With a donation of €1 or \$1. you will get a special thanks.
2. With a donation of €5 or \$5 you will get a special thanks and our Cassava PDF cooking book.
3. With a donation of €10 or \$10 you will get a special thanks, our Cassava PDF cooking book. And our cassava video cooking lessens of one hour.
4. With a donation of €20 or \$20 you will get a special thanks, our Cassava PDF cooking book, our cassava video cooking lessens of one hour, and 1kg Modified cassava flour (Mocaf)
5. With a donation of €20 or \$20 you will get a special thanks, our Cassava PDF cooking book, our cassava video cooking lessens of one hour, and 1kg Modified cassava flour (Mocaf), 1kg of Bread flour, 1kg of chicken seasoning.
6. With a donation of €30 or \$30 you will get a special thanks, our Cassava PDF cooking book, our cassava video cooking lessens of one hour, 1kg Modified cassava flour (Mocaf), 1kg of Bread flour, 1kg of fried chicken seasoning.
7. With a donation of €40 or \$40 you will get a special thanks, our Cassava PDF cooking book, our cassava video cooking lessens of one hour, 1kg Modified cassava flour (Mocaf), 1kg of Bread flour, 1kg of fried chicken seasoning, 1 bag of Barry cookies, 1 bag of Chocolate cookies.
8. With a donation of €50 or \$50 you will get a special thanks, our Cassava PDF cooking book, our cassava video cooking lessens of one hour, 1kg Modified cassava flour (Mocaf), 1kg of Bread flour, 1kg of fried chicken seasoning, 1 bag of Barry cookies, 1 bag of Chocolate cookies, update of our progress.
9. With a donation of €100 or \$100 you will get a special thanks, our Cassava PDF cooking book, our cassava video cooking lessens of one hour, 1kg Modified cassava flour (Mocaf), 1kg of Bread flour, 1kg of fried chicken seasoning, 1 bag of Barry cookies, 1 bag of Chocolate cookies, update of our progress, digital tour.



Crowdfunding

How can you benefit ?



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How can you benefit ?

10. With a donation of €200 or \$200 you will get a special thanks, our Cassava PDF cooking book, our cassava video cooking lessens of one hour, 1kg Modified cassava flour (Mocaf), 1kg of Bread flour, 1kg of fried chicken seasoning, 1 bag of Barry cookies, 1 bag of Chocolate cookies, update of our progress, digital tour, scientific research report Cassava.
11. With a donation of €400 or \$400 you will get a special thanks, our Cassava PDF cooking book, our cassava video cooking lessens of one hour, 1kg Modified cassava flour (Mocaf), 1kg of Bread flour, 1kg of fried chicken seasoning, 1 bag of Barry cookies, 1 bag of Chocolate cookies, update of our progress, digital tour, scientific research report Cassava, Complete Sustainable Business Plan Cassava.
12. With a donation of €500 or \$500 you will get a special thanks, our Cassava PDF cooking book, our cassava video cooking lessens of one hour, 1kg Modified cassava flour (Mocaf), 1kg of Bread flour, 1kg of fried chicken seasoning, 1 bag of Barry cookies, 1 bag of Chocolate cookies, update of our progress, digital tour, scientific research report Cassava, Complete Sustainable Business Plan Cassava, Fiscal factory tour Malang Kepanjen Indonesia.
13. With a donation of €1000 or \$1000 you will get a special thanks, our Cassava PDF cooking book, our cassava video cooking lessens of one hour, 1kg Modified cassava flour (Mocaf), 1kg of Bread flour, 1kg of fried chicken seasoning, 1 bag of Barry cookies, 1 bag of Chocolate cookies, update of our progress, digital tour, scientific research report Cassava, Complete Sustainable Business Plan Cassava, Fiscal factory tour, Workshop, training, cooking lessen, and Sustainable Business Development 7 days Malang Kepanjen Indonesia.



Rumah MOCAF fundraising

Fundraising

Fundraising Strategy

Fundraising in this context refers to **investment-based approaches** where contributors may receive financial benefits, such as equity or revenue share. This attracts serious investors looking for returns.

Recommended Platforms:

1. **SeedInvest** – Equity crowdfunding for startups.
2. **Crowdcube** – UK-based equity crowdfunding.
3. **StartEngine** – US platform for equity & revenue share.
4. **WeFunder** – For small and large investors.
5. **Republic** – Equity crowdfunding with strong community support.

Promotion Strategy:

- Highlight financial benefits (ROI, growth potential).
- Promote via social media and direct investor outreach.
- Provide a clear business model and growth plan.

Required investment

Euro 150.000 / 170.000 USD

Production 40 MT per month

Profit sharing € 0.20 per \$ 0.23 kg, 480.000MT per year, Euro 96,000 USD 112.000 per year.

Investor benefits

Contract time 3 years.

Total return of investment 3 years: Euro 288.000 / USD 336.000

Profit: 3 years: Euro 138.000 / USD 166.000



Rumah MOCAF Networking

Networking

Networking Strategy

Networking leverages our existing relationships and professional contacts to attract private investments and strategic partnerships. This involves direct communication and trust-building.

Networking Tactics:

- Offer attractive investment models with clear ROI.
- Approach business contacts, universities, NGOs, and green investment groups.
- Organize webinars and pitch events to showcase opportunities.
- Use LinkedIn to reach sustainability-focused investors.

Required investment

Euro250.000 / 294.000USD

Production 40 MT per month

Investor benefits

- Shareholders 30% shares
- Board member
- Exclusive product sales rights
- 30% rights of Intellectual properties
- Investment safety, buy back option, investment plus min 20% after 3 years
- Fast return of investment due to Crowdfunding campaigns
- Fast capacity building
- Human capital creation
- New market



Marketing & Promotion

Marketing & Promotion

Marketing & Promotion Plan

Promotion across all channels ensures maximum visibility. We will consistently share updates, success stories, and campaign progress.

- **YouTube:** Storytelling videos, project updates.
- **Facebook & Instagram:** Campaign posts, visuals, and live Q&A.
- **TikTok:** Short, engaging clips to reach younger audiences.
- **LinkedIn:** Professional updates, investor-focused communication.

Action Timeline

- **Week 1:** Prepare campaign materials and social media content.
- **Week 2:** Launch crowdfunding campaign.
- **Week 3:** Promote fundraising opportunities and investor outreach.
- **Week 4:** Host online networking event.
- **Ongoing:** Weekly updates, promotion, and engagement with supporters.

Conclusion

By combining **crowdfunding, fundraising, and networking**, our project will secure the financial foundation needed for sustainable growth. With clear promotion and structured execution, we maximize both **impact and reach**.



Rumah MOCAF Registration

Pre-registration

Pre- Registration forum	
Name:	
Street/postcode/Nr	
Province/City	
Country:	
Email:	
Tel:	
Investment option:	
Remarks :	

This pre-registration forum, is for Interested investors only.

- The pre-registration is free of charge.
- After registration we will email you the, planning, contract and guidelines.
- After signing the contact, your ready to start your investment

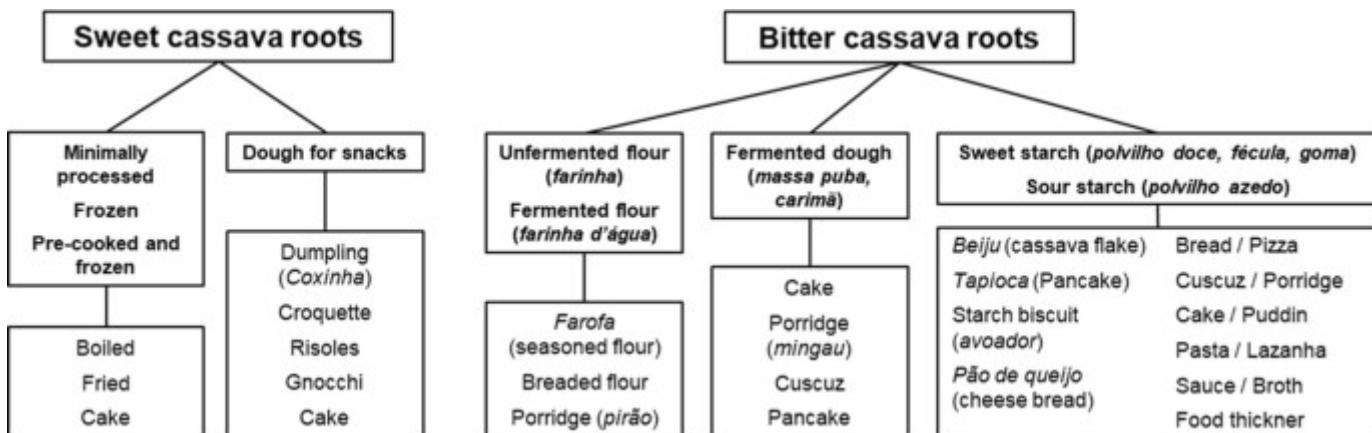


Cassava products

End products

Rumah Mocaf the SBDI Center Foundation and partners, developing the following products from cassava and cassava waste.

Food products





Rumah MOCAF Cassava products

Non Food products



Redesigning the future of single use-bags
A bag that dissolves in water in minutes.

What is Cassava?
Cassava is a root vegetable, we extract and combine it with organic components to formulate the biodegradable film. Through advanced technology at Cassava Bags Australia we are able to make it without the use of any petroleum or toxins.

Strength & Durability
Designed to be use for multi purposes, Cassava Bags are strong and durable. Weight load 25kg + depending on thickness and size.



Zero Plastic Waste

Cassava Bags have been tested by Internatioanly recognised laboratory as a 100% plastic free and biodegradable product.

- It takes 3-6 months to biodegrade in soil
- It takes a few days to dissolve in the ocean
- It takes 3 minutes to dissolve in hot water
- No microplastics

100% Non-Toxic

They are completely non-toxic! Once discarded, Cassava Bags do not harm the environment making them perfect for single-use design. There are no microplastics or toxins, and there is no plastic footprint left behind. It is simple, our products resemble plastic, but are completely natural, biodegradable, compostable.

restoring nature
CASSAVA BAGS

Agriculture products

Cassava compost



Cassava fertilizer



Cassava bio-gas

