

Website redesign: regenerationcredit.org

Author: André O. Ravagnani · Date: September 2025

Pull request: github.com/Sintrop/regeneration-credit-website/pull/10 (merged, live in production)

A full redesign and content expansion of the Regeneration Credit institutional website. The work covers a visual refresh of the whole site, wiring the live figures to the correct on-chain source, and five new pages built directly on protocol data. Delivered in one branch of 18 commits; the production build and linter pass, and the site is bilingual (English and Portuguese).

1. Scope

- **Baseline fixes** — SEO (metadata base, locale-aware canonical and hreflang, `robots.txt`, a rebuilt sitemap, FAQ structured data), missing translation keys, a hydration bug in the wallet buttons, and the community photo grid that always rendered four slots and broke for members without a photo.
- **Visual system** — new typography (Figtree for body, Fraunces for headings, Anta kept for the wordmark and on-chain figures), a warm green-and-cream token palette, and a rework of every home section plus the inner pages onto the same system.
- **Live data** — the impact figures now read from the `RegenerationCreditImpact` aggregator contract instead of a single hard-coded era, and a derived “RC per tree” figure was added.
- **New pages** — Publications, Community, Supporters, Regeneration areas map, and a FAQ that replaces the empty tutorials route.
- **Navigation and content** — reorganised menu, hero actions changed to “Read whitepaper” and “Download app”, and “Nature” written with a capital as a proper noun.

2. Home page

Forest-green hero over an editorial serif heading, followed immediately by the live on-chain figures (impact and token), the two three-step flows — one for regenerators, one for supporters — the technology pillars, and the community section. All numbers are read from the protocol contracts at build time and refreshed on a schedule.

A Peer-to-Peer Nature Regeneration System

We introduce the Regeneration Credit, a funding mechanism for environmental service and a smart contract certification system.

[Read whitepaper →](#)[Download app](#)

LIVE ON-CHAIN

Regeneration Credit [RC]

IMPACT

168,804

Trees

1,075

Species

16,880 tCO₂ sequestered**178.5 ha**

Area in regeneration

26

Impact regenerators

56

Inspections

TOKEN

1,308,984,153

Total Supply

177,915,168

Circulating supply

1,015,847

Certified

1,060

RC per tree



Access the token

0x24fDCCDeA35f00625094795aa1056e15c86f1e8

FOR REGENERATORS

Regenerate to earn

The Regeneration Credit is a payment for environmental service system. Users can regenerate to earn the tokens and trade it for a certificate.

01

Regenerate

Register a regeneration area and bring it back to life, planting and protecting the ecosystem.

02

Get inspected

Inspectors visit the area and record its trees and species in a peer-to-peer verification.

03

Earn credits

Verified impact is converted into Regeneration Credit, which supporters buy and retire for a certificate.

FOR SUPPORTERS

Invest in Nature regeneration

Back the regeneration of ecosystems by holding Regeneration Credit and retiring it for a contribution certificate.

01

Buy Regeneration Credit

02

Use it as a medium of exchange

03

Offset and get your certificate

Home — hero, live impact and token figures, the regenerator and supporter flows, and the technology pillars.

3. Community publications

`/publications` lists the researches, contributions and development reports that community members have published on-chain. Entries are read from the researcher, contributor and developer contracts (ids 1 to the total count), filtered to the valid ones, grouped by type, and each card links its file on IPFS. This is where a development report like this one appears once submitted.

 REGENERATION CREDIT

AppNetworkResourcesPublicationsCommunitySupportersFAQ

Community publications

Researches, contributions and development reports published on-chain by researchers, contributors and developers. Only valid entries are shown.

RESEARCHES

Impacto das Emissões de Gases Poluentes na Produção de Alimentos em Monocultura

A produção global de alimentos representa um dos maiores desafios para a sustentabilidade climática contemporânea. Este setor é responsável por uma parcela significativa das...

[Open file ↗](#)

Sintropia Method

To measure the amount and diversity of trees and plants, the protocol relies on an on-chain RegenerationIndex and on off-chain evaluation methods. This document describes the Sintropi...

[Open file ↗](#)

Relação do Uso de Plástico em Quilos com Emissões de Dióxido de Carbono (CO2)

Conforme os dados apresentados, estima-se que, em média, 2580 gramas de CO2 sejam emitidos a cada quilo de plástico produzido.

[Open file ↗](#)

Relação do Uso de Gasolina em Litros com Emissões de Dióxido de Carbono (CO2)

Esta pesquisa revela que a cada litro de gasolina consumido, 2810 gramas de dióxido de carbono (CO2) são emitidas.

[Open file ↗](#)

Global Carbon Intensity of Energy Supply

This study quantifies the global carbon intensity of energy supply, expressed in grams of CO2 equivalent per kilowatt-hour (gCO2eq/kWh), for the year 2022.

[Open file ↗](#)

CONTRIBUTIONS

Explica o funcionamento das Eras no Crédito de Regeneração e como elas...[Open file ↗](#)

Este documento explica de forma resumida a diferença entre os tokens S...[Open file ↗](#)

Esta apresentação explica como funciona o Crédito de Regeneração: um s...[Open file ↗](#)

Farei apresentações semanais, toda quinta-feira, pelos próximos 6 mese...[Open file ↗](#)

Este material apresenta de forma simples o papel dos regeneradores e c...[Open file ↗](#)

Este manual vai te ajudar a instalar o app, se cadastrar e usar as fun...[Open file ↗](#)

Carteira do Crédito de Regeneração. Documento com um "template" com os...[Open file ↗](#)

Aprenda a navegar no Crédito de Regeneração: cadastro, conexão, nível...[Open file ↗](#)

The manual teaches, in a simple and secure way, how to install and use...[Open file ↗](#)

Sintrop node and solo mining guide on Ubuntu.[Open file ↗](#)

DEVELOPMENT REPORTS

Parte II — Desenvolvimento da API REST para Integração chatbot AI com...[Open file ↗](#)

Simple P2P Market for the Regeneration Credit[Open file ↗](#)

Together with researcher André O. Ravagnani, we developed the Sintropi...[Open file ↗](#)

Report about the initial development of AI Chatbot, focused on explain...[Open file ↗](#)

Audit report. Before launch, the Regeneration Credit went through the...[Open file ↗](#)

This is my first report on the Regeneration Credit System, describing...[Open file ↗](#)

Regeneration Credit: A Peer-to-Peer Nature Regeneration System[Open file ↗](#)

Publications — researches, contributions and development reports, straight from the contracts.

4. Community

`/community` explains that the protocol has no company behind it and that every role — not only the regenerator — is rewarded from its own pool. Each role shows what it does, how it earns, its live member count and member photos.

 REGENERATION CREDIT

AppNetworkResourcesPublicationsCommunitySupportersFAQ

The community runs the protocol

There is no company behind the Regeneration Credit. Seven roles keep it running, and it is not only the regenerator who earns: every role is rewarded from its own pool for the work it brings to the system.



Regenerators 38 members
Register and manage a regeneration area, planting and protecting the ecosystem over time.
Earn Regeneration Credit from the regenerator pool, in proportion to the verified impact of their area.
[View the areas map ↗](#)



Inspectors 31 members
Visit regeneration areas and record their trees and species in a peer-to-peer verification.
Earn from the inspector pool for each inspection they carry out and submit.



Researchers 2 members
Produce environmental research, evaluation methods and impact calculator items for the protocol.
Earn from the researcher pool for each valid research and method they publish.



Developers 3 members
Build and maintain the software: smart contracts, interfaces and related applications.
Earn from the developer pool for the development reports they publish.



Contributors 3 members
Support the community with education, translations, design, presentations and other general work.
Earn from the contributor pool for each valid contribution they publish.



Activists 5 members
Invite new regenerators and inspectors into the system, expanding the community's reach.
Earn from the activist pool, with rewards that grow with their level.



Supporters 28 members
Any person or organization that finances regeneration by acquiring Regeneration Credit.
Do not earn tokens: they fund the system and can retire their credits for a contribution certificate.

Join the community

[View the areas map ↗](#)[Open the users portal ↗](#)[Get the app ↗](#)

Community — the seven roles, how each is rewarded, and live member counts.

5. Supporters

`/supporters` is an onboarding page: why the asset exists, the five steps to take part (set up a self-custody wallet, add the network, buy, hold or use, offset), and what the contribution certificate is.

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GET STARTED

Support Nature regeneration

Anyone can finance the regeneration of ecosystems by holding Regeneration Credit and, when they choose, retiring it for a contribution certificate.

Why it matters

Today people have more economic incentive to clear land than to regenerate it. The Regeneration Credit turns verified regeneration into an asset, so regenerators earn an income and supporters can direct funding straight to the people bringing ecosystems back to life.

How to take part

01 Set up a self-custody wallet

Create a MetaMask wallet. It is self-custody, so only you hold the keys, and for now it is the only wallet the apps integrate with.

02 Add the Sintrop network

Add the Sintrop Impact Blockchain to MetaMask from the Network page, so your wallet can hold and move Regeneration Credit.

03 Buy Regeneration Credit

Buy RC directly from a community member. A peer-to-peer trade gives you a balance of the asset without any intermediary.

04 Hold or use it

Keep it as a stake in the system, transfer it freely, or use it as a medium of exchange within the community.

05 Offset for a certificate

When you retire (burn) your RC, you receive a contribution certificate: on-chain proof that you financed that amount of verified regeneration.

The contribution certificate

Every certificate is recorded on-chain and can be checked by anyone on the users portal, where each certificate's QR code resolves. Certified credits are counted separately so the system's certified total is always transparent.



Crédito de Regeneração

Planeta Regenerativo
Contribuiu com 1.290 RC

Impacto
Carbono: 121.698,95 g
Área: 0 m²
Biodiversidade: 0,01 und
Árvores: 1,22 und

0xdBd61d731Cf4DB3AE5993A10Ae25f5f19Ed8aD8

Where to start

Read the whitepaper

Get the app

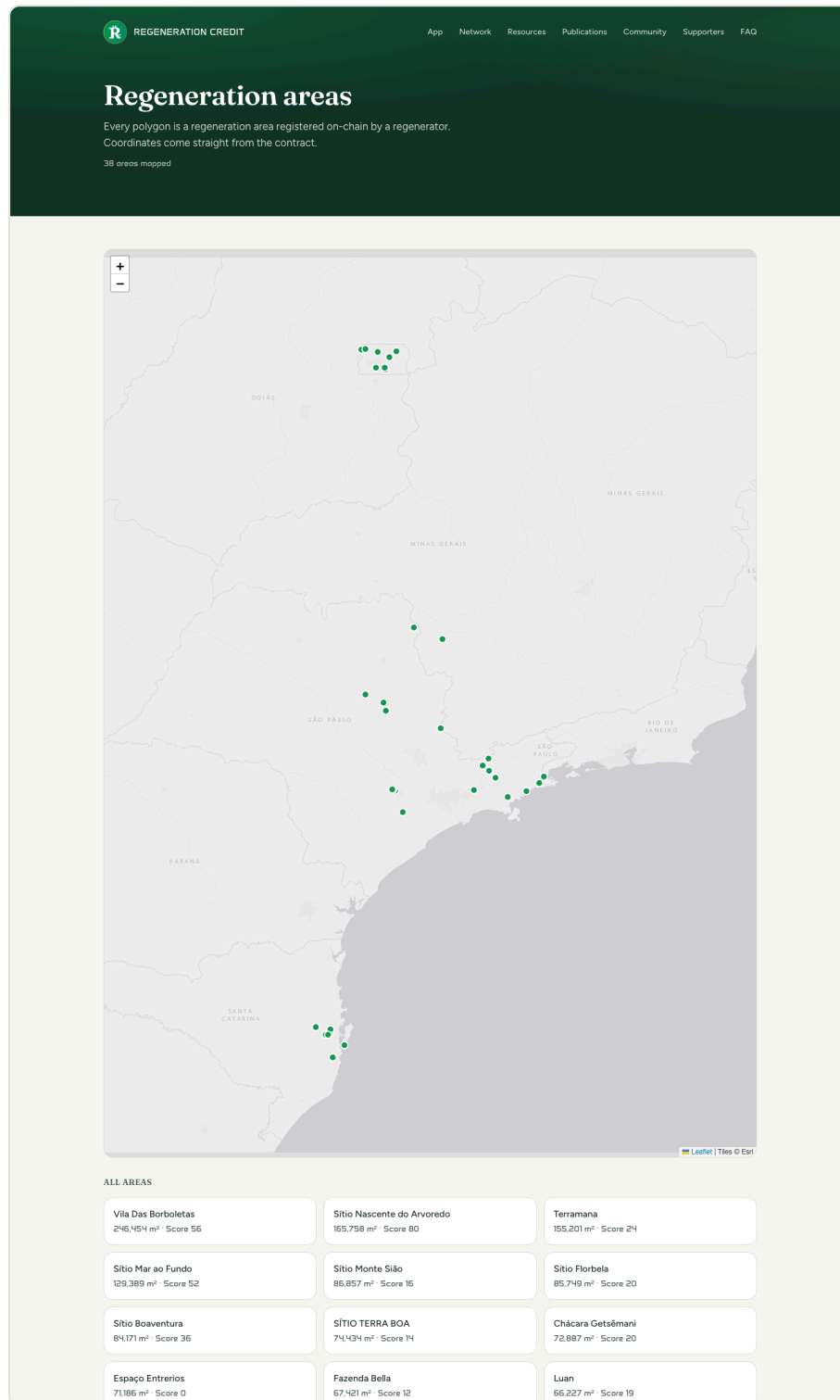
See the live impact

Open the users portal

Supporters — the path from a new wallet to an offset certificate.

6. Regeneration areas map

`/map` is an interactive map of every regeneration area. The polygon of each area is read from `RegeneratorRules.getCoordinates` and drawn on the map with a pin at its centre; a list of all areas sits below, and selecting one flies the map to it. Built with Leaflet and a key-less tile provider, so it costs nothing to run.



Map — 38 areas plotted from on-chain coordinates, with the full list below.

7. FAQ

`/faq` replaces the empty tutorials route (which now redirects here). Twelve questions covering how the protocol works, the wallet and network setup, the audit, and where to find live data — as a no-JavaScript accordion with structured data for search engines.

 REGENERATION CREDIT

AppNetworkResourcesPublicationsCommunitySupportersFAQ

Frequently asked questions

The essentials about how the Regeneration Credit works, for regenerators and supporters alike.

What is the Regeneration Credit?

+

How does someone earn Regeneration Credit?

+

How do I support the project?

+

What is a contribution certificate?

+

Who verifies the impact?

+

Which blockchain does it run on?

+

Which wallet do I need?

+

How do I add the Sintrop network to my wallet?

+

Is the code audited and open source?

+

How is a tree's impact estimated?

+

Where can I see live data and users?

+

Where do I download the apps?

+

FAQ — the essentials for regenerators and supporters.

8. Technical notes

Stack

Next.js 15 (App Router), React 19, TypeScript, Tailwind CSS, next-i18n-router (English and Portuguese).
Deployed on Vercel.

Contracts read by the site

- `RegenerationCreditImpact` — system impact (trees, species, carbon, area) and impact per token.
- `RegenerationCredit` — supply, circulating supply, certified.
- `InspectionRules` — realised inspections, impact regenerators.
- `ResearcherRules`, `ContributorRules`, `DeveloperRules` — the publications list.
- `RegeneratorRules`, `CommunityRules` — area coordinates and member counts.

New dependencies

`leaflet`, `react-leaflet`, `@types/leaflet` — for the map page.

Caching

Contract reads are cached and served as static HTML; the pages re-read the chain on a schedule (5 minutes for publications, weekly for the map), never once per visitor.

9. Result

- Site structure: Home, App / download, Network, Resources, Publications, Community, Supporters, FAQ, plus the map and privacy pages.
- Every page in English and Portuguese, canonical and hreflang set per locale.
- Production build and lint pass; merged and live at regenerationcredit.org.