



CLIMATE POSITIVE
REGENERATIVE AGRICULTURE

CPRA PROGRAMME: EXECUTIVE SUMMARY.

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- Agrifood systems face a major challenge: *Ensuring humanity's basic needs for food, feed, fibre and fuel, to 10 billion by 2050, while preserving the planet.*
- Production and distribution channels are changing rapidly: by mid-century, two-thirds of the world's population will live in urban areas, requiring processes, transport, storage and distribution adapted to this new reality.
- Traditional agri-food systems that are intensive in inputs and resources, causing massive deforestation, water scarcity, soil depletion and high emissions, are unsustainable, if we are to ensure food security and the health of the planet for future generations.
- CPRA is an independent, voluntary programme designed to provide a robust and reliable response to today's agri-food systems challenges. CPRA is a critical tool for the transition to regenerative agriculture and food systems.
- CPRA is a programme that systematically synergizes internationally proven practices, standards and technologies of efficacy under the principle of "Positive Climate" that Nobel Laureate Mikhail Gorbachev has promoted to meet and exceed the United Nations 2030 Agenda.



- The sum of the experiences of partner organisations and the holistic vision of Green Cross acquired in its extensive experience worldwide for more than 30 years, combine to achieve the actions and results of the CPRA Programme.
- CPRA offers a secure, transparent and traceable framework through its digital platform Blockchain, run by Green Cross in the UK – an impartial NGO – addressing and minimising potential socio-environmental risks.
- Verification of CPRA milestones demonstrates commitment to sustainability, facilitates community buy-in, and insertion into new markets and green finance.

AGRICULTURE AND FOOD SYSTEMS AT RISK!

THE ALARMING REALITY!

- **Biodiversity loss:** Up to 75% of crop genetic diversity has been lost, jeopardizing food security and the resilience of agricultural systems.
- **Greenhouse gas emissions:** The agricultural sector produces 21% of global emissions, contributing significantly to climate change.
- **Water scarcity:** Inefficient use of water for crop production depletes aquifers, reduces river flows, degrades habitats, and has salinized 20% of irrigated land.
- **Soil degradation:** 33% of land is moderately to highly degraded by erosion, salinization, compaction and chemical pollution.
- **Threats to food security:** Interconnectedness, movement of people and species, environmental changes, and unsustainable production practices threaten food security, health, and sustainability.



"We urgently need to do things differently and act holistically to transform our agrifood systems. Because soon it will be necessary to set the table for 10 billion people!"

Qu Dongyu
FAO Director-General

WHY SHOULD AGRI-FOOD SYSTEMS BE REGENERATIVE?

The agri-food system is composed of subsystems (agricultural system, waste management, input supply, etc.) and interacts with other key systems (energy system, trade system, health system, etc.).

The overall performance of the agri-food system is the result of the intertwined behaviour of all actors in the system. Everyone can have the power to influence system performance and initiate change. Such performance, in turn, will generate positive and/or negative feedback that influences the behaviour of the actors and the structure of the system in an evolutionary process.

Regeneration: an innovative approach. It is not only a matter of preventing damage to the agri-food system, but of actively improving it. Regeneration goes beyond sustainability, it is fair and inclusive and leaves no one behind.

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1. DNA OF CPRA.

- Develop integral agricultural systems that improve air, soil, and water quality, boost ecosystem biodiversity, and store carbon to help address the consequences of Climate Change.
- Designed to be favourable to the environment, communities, and culture while preserving and enhancing economic viability and boosting production to meet human needs.

2. OBJECTIVES OF CPRA.

- Meet the needs of quality commodities for present and future generations while ensuring profitability, environmental health, and Social and economic equity.
- Regenerate the soil and contribute to multiple ecosystem services.
- Empower farmers to consumers, adding sustainable value at the origin.
- Reducing outlay incurred by non-sustainable agriculture, where negative impacts on soil, water, air, and human health are paid for by later by governments and taxpayers.

Agriculture – Traditional or Industrial - often places significant pressure on natural resources and the environment, generating a socioenvironmental liability.

Agriculture – Regenerative – is a holistic approach to farming that seeks to improve the health of the soil, water, air, and biodiversity; and also the social and economic dimensions of sustainable food production.

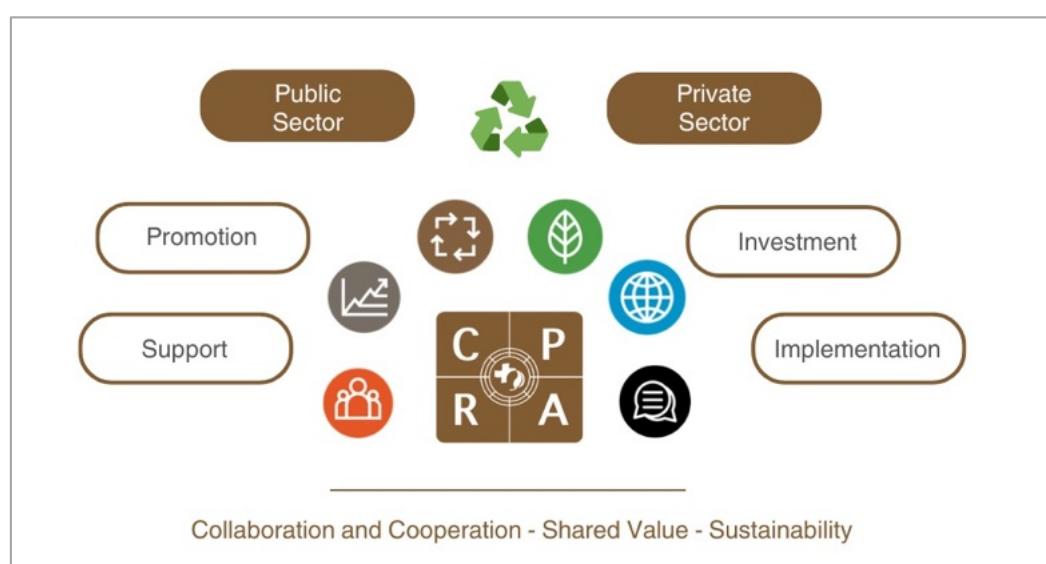
3. SCOPE.

- CPRA is designed for any actor in the agri-food system that has the potential to generate a positive impact on the system.
- CPRA treats each actor as a universe unto itself, on a case-by-case basis, taking into account the specific environment and needs.

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4. BRIEF DESCRIPTION.

- CPRA provides a medium- and long-term course of action, setting gradual and progressive milestones to measure, report and verify Regenerative Agriculture within the Climate Positive framework.
- The dynamic axes of the Programme are Social Impact, Governance, Life-Cycle Resources, Environment, Risk and Resilience, and Costing. These axes, together with 73 sustainability criteria, form the basis of CPRA.
- From there, each organisation addresses the agri-food system, according to its scope, taking advantage of the opportunities and benefits of achieving Regenerative Agriculture and Climate Positive.



- On the three key areas of Collaboration and Cooperation, Shared Value and Sustainability, CPRA supports each organisation on its path in addressing its current challenges with the creation of **sustainable customised solutions**, based on the commitment of all stakeholders, shared responsibility and the generation of sustainable added value.
 - Collaboration and Cooperation: CPRA works closely to understand the needs and meet the goals of the organisation.
 - Shared value: CPRA should be beneficial to the organization as well as to all stakeholders.
 - Sustainability: CPRA is designed to be sustainable in the long term.

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5. CPRA MILESTONES.

To achieve Regenerative Agriculture and Climate Positive, CPRA proposes:

1. ASSESSMENT

- a. Validated needs: Private (CSR, ESG, SDG, ...) Public (NDC, SDG, UN, ...).
- b. Framework Agreement.
- c. Assessment.

2. ROADMAP

- a. G+ Programme: CPRA.
- b. Level of Achievement.
- c. S&E Footprint by C+.

3. IDEAS INTO ACTION

- a. SOW.
- b. Projects within ASV.
- c. **G+ Shielded.**

4. VERIFICATION

- a. MRV.
- b. Value Added.



- **Assessment:** Current challenges and needs are identified, through an Assessment which defines a starting point for current sustainability.
- **Roadmap:** A clear approach to achieving Regenerative Agriculture is established, based on the Level of Achievement defined in each sustainability criterion, as well as environmental and social footprints. The Roadmap details the specific actions, activities and commitments that will be carried out. This includes following standards and methodologies, obtaining certifications that provide a competitive advantage, as well as other intermediate steps needed to achieve the ultimate goals. The use of IoT devices will make it possible to collect and analyse reliable relevant data for progress monitoring.
- **Ideas in action:** Each action and project in the Roadmap receives assistance and advice to ensure that each of them generates Sustainable Added Value and its due compliance, from risk governance, technology assistance, digital expansion and didactical arbitration.
- **Verification:** MRV (Measurement, Reporting and Verification) is used to monitor and evaluate the impact and added value of sustainability benefits, and then award the corresponding seal. An extrapolation of the criteria met from CPRA to ESG/SDGs is made for use by the different stakeholders.

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6. CPRA - SECTOR SCOPING DOCUMENT.

CPRA focuses on addressing each sector in a specific way, seeking customized and sustainable solutions:

SCOPE OF WORK	PUBLIC SECTOR	PRIVATE SECTOR	ALLIANCE
COLLABORATION AND COOPERATION:			
Policies, Practices and Prospects: <ul style="list-style-type: none"> ○ Sustainability ○ Climate Change, ○ Waste, ○ Energy, ○ Sustainable Assets, ○ Just Transition. 	Y	---	---
Technology Assistance: <ul style="list-style-type: none"> ○ Best Practices Regenerative Agriculture, ○ Renewable Energy, ○ Irrigation, ○ Circular Bioeconomy, ○ Decarbonisation, ○ Storage Solutions. 	---	Y	---
Volunteer Program, CSR.	---	---	Y
SHARED VALUE:			
Agroindustry: <ul style="list-style-type: none"> ○ Cooperative Ventures, ○ Rural tourism. 	Y	Y	Y
Risk Governance.	Y	Y	---
Management and Addressing Social and Environmental Footprints.	Y	Y	---
Institutional capacity-building.	---	---	Y
Technology Transfer Centre.	---	---	Y
SUSTAINABILITY:			
Shielding Verification G+UK.	Y	Y	---
Open Innovation: Customised solutions.	Y	Y	Y
Project Development and Environmental Asset Reclamation: <ul style="list-style-type: none"> ○ Carbon Credits, ○ Biodiversity, ○ Ecosystem Services. 	Y	Y	---
Green, Climate and Sustainability Funds.	Y	Y	---

Y: YES.

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7. CPRA VERIFICATION:

Verification is an important component of CPRA, demonstrating commitment and compliance to Regenerative Agriculture.

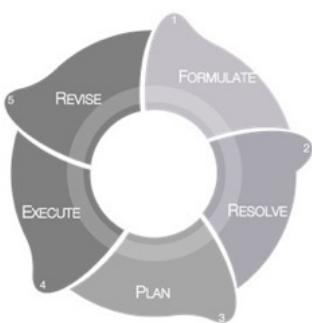
CPRA implements a three-tiered verification system to assess progress in meeting objectives. The C+ Advisory Board is responsible for conducting independent reviews and verifications to ensure the transparency and fairness of the process.

Benefits:



- Provides leadership to the organisation and/or project in the agri-food system and beyond, by clearly defining and documenting its sustainable, resilient, and equitable achievements.
- It encourages and rewards best practices, inclusive engagement, and sustainable performance to bolster community trust, aligning with international goals.
- It allows to demonstrate the compliance of the organisation and/or project beyond environmental, social and economic standards, avoiding environmental and social conflicts.

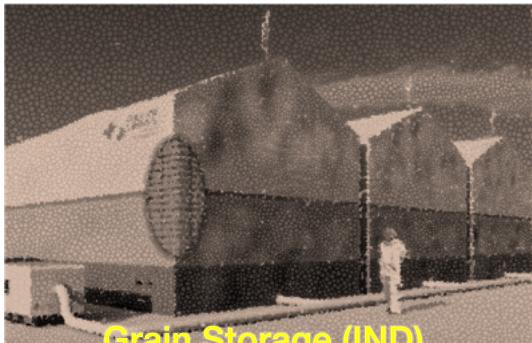
8. ASV AS A GUIDING PRINCIPLE:



- G+UK has adopted the principle and methodology of "Sustainable Value Addition" (ASV) as a guide for its operations, promoting the collaborative partnership approach to create and share value, generating benefits for all parties involved, ensuring the sustainability of the NGO and impartiality.

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9. CASE STUDIES:



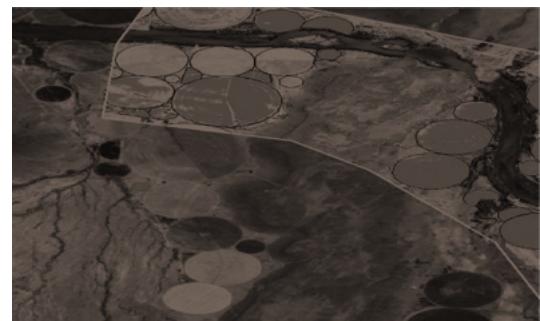
Grain Storage (IND).
USD 14 BM loss per year.



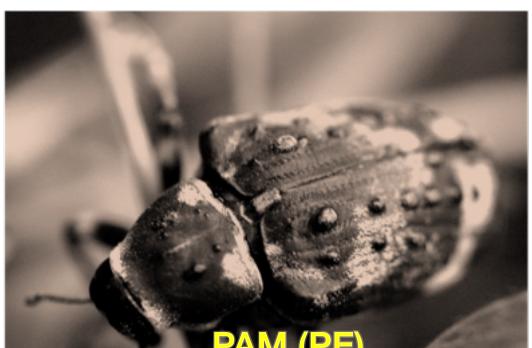
Vertical Farming (ENG).
Hydroponic greenhouses.



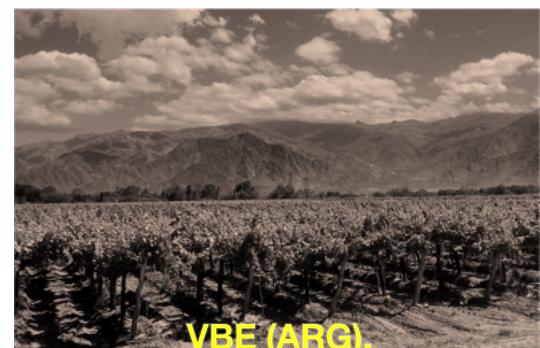
KALDI Coffee (COL).
Source Value. Zero deforestation.



FDN (GTM).
Mitigation, Carbon Credits.



PAM (PE).
Valorization Eco Reforestation.



VBE (ARG).
Bioeconomy. Bioenergy.

ABOUT GREEN CROSS INTL.

- Founded by Nobel Peace Prize laureate Mikhail Gorbachev in 1993, Green Cross is an Intl. NGO|NPO that responds to the combined challenge of security, poverty, and environmental degradation in order to ensure a sustainable and secure future.



Mikhail S. Gorbachev
Founder President of GCI

- Green Cross is an Observer Organization with Consultative Status at the United Nations. This status was granted in recognition of its geopolitical vision, commitment, and more than three decades of experience and accomplishments.

- As a member of the Climate Chain Coalition - an entity linked to the UNFCCC to promote Climate Action on blockchain-based financial platforms -, Green Cross UK (G+UK) believes in circular economy models to provide the sustainability framework under one platform. digital blockchain.

WHO GREEN CROSS SERVES?

COMMUNITIES/PEOPLE

ENVIRONMENT/PLANET



PUBLIC SECTOR  PRIVATE SECTOR  THIRD SECTOR



**LET'S DO SOMETHING AMAZING TOGETHER, STARTING WITH BEING
IN TOUCH:**

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