

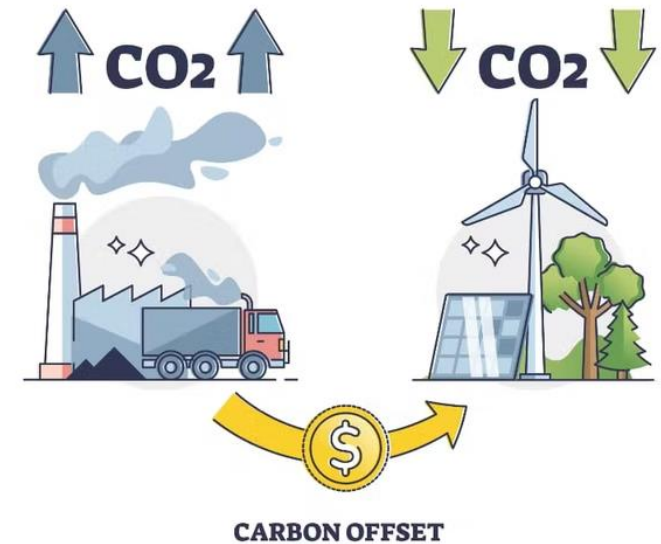
The Future of Carbon Markets for Climate Change Mitigation



How **You** can **benefit** from it!

Introduction to Carbon Credit & Water credit

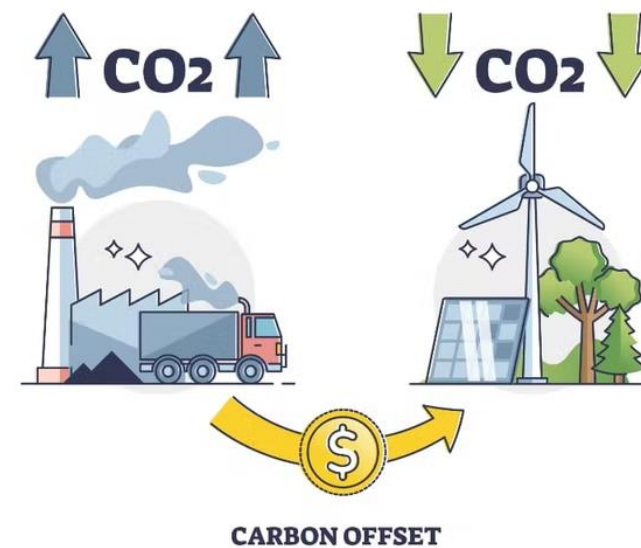
- Carbon credits helps industries to reduce their carbon emissions by supporting green projects.
- Water credits helps industries to save water and use it more efficiently by investing in water-saving practices.
- These credits encourage industries to go beyond just compliance and become leaders in positive change.
- They help businesses be more ecofriendly and sustainable.
- When industries use carbon and water credits, they meet rules and become leaders in eco-friendly practices, showing they care about the environment.



What are Carbon Credits?

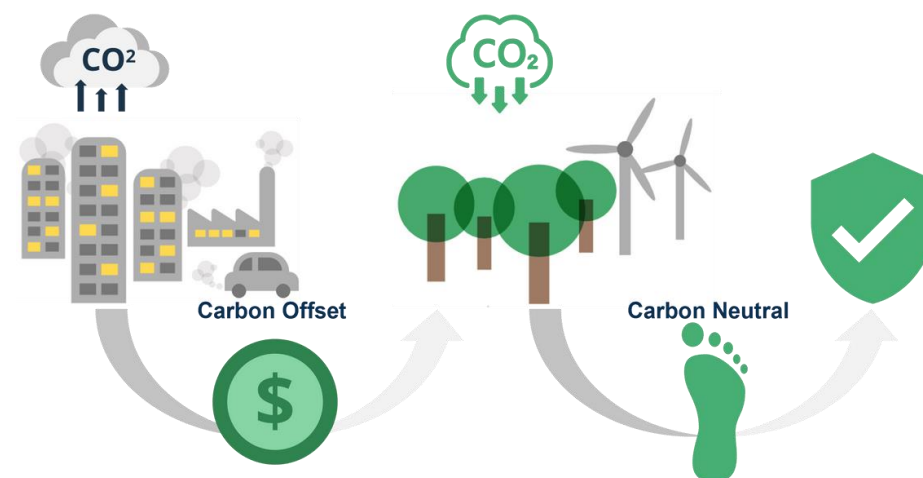
A carbon credit (carbon offset) is a credit for greenhouse emissions reduced or removed from the atmosphere by an emission reduction project, which can be used by governments, industry, or private individuals to compensate for the emissions they generate elsewhere.

**Carbon Credit = 1 ton of CO₂ emission
reduced or removed**



Carbon Credit

- ✓ **Tradable certificate:** permitting the right to emit one tone of carbon dioxide or other Green House Gases (GHGs).
- ✓ A key component of national and international trading schemes that have been implemented **to mitigate global warming**.
- ✓ They provide a **way to reduce GHGs** emissions on an industrial scale.



Carbon Credit Standards



1. **CER** - Certified Emission Reductions certified by the UNFCCC CDM



2. **VER** - Verified Emission Reductions certified by the Gold Standard



3. **VCU** - Voluntary Carbon Unit certified by Verra VCS



4. **VCC** – Verified Carbon Credits certified by the BioCarbon Registry



5. **CoU** – Carbon Offset Units certified by the Universal Carbon Registry

What are Water Credit?

A water credit is an incentive for capturing/recycling/reusing unutilized sources of water that is socially and culturally equitable, environmentally sustainable and economically beneficial, achieved through site and catchment-based actions independent of water quality parameters.

1 Water Credit = 1000 liters (1m³)





Air pollution



Solar Panels



Wind Mills



Water pollution



Credit Offset Cycle



Hydro Power



Biogas



Soil pollution

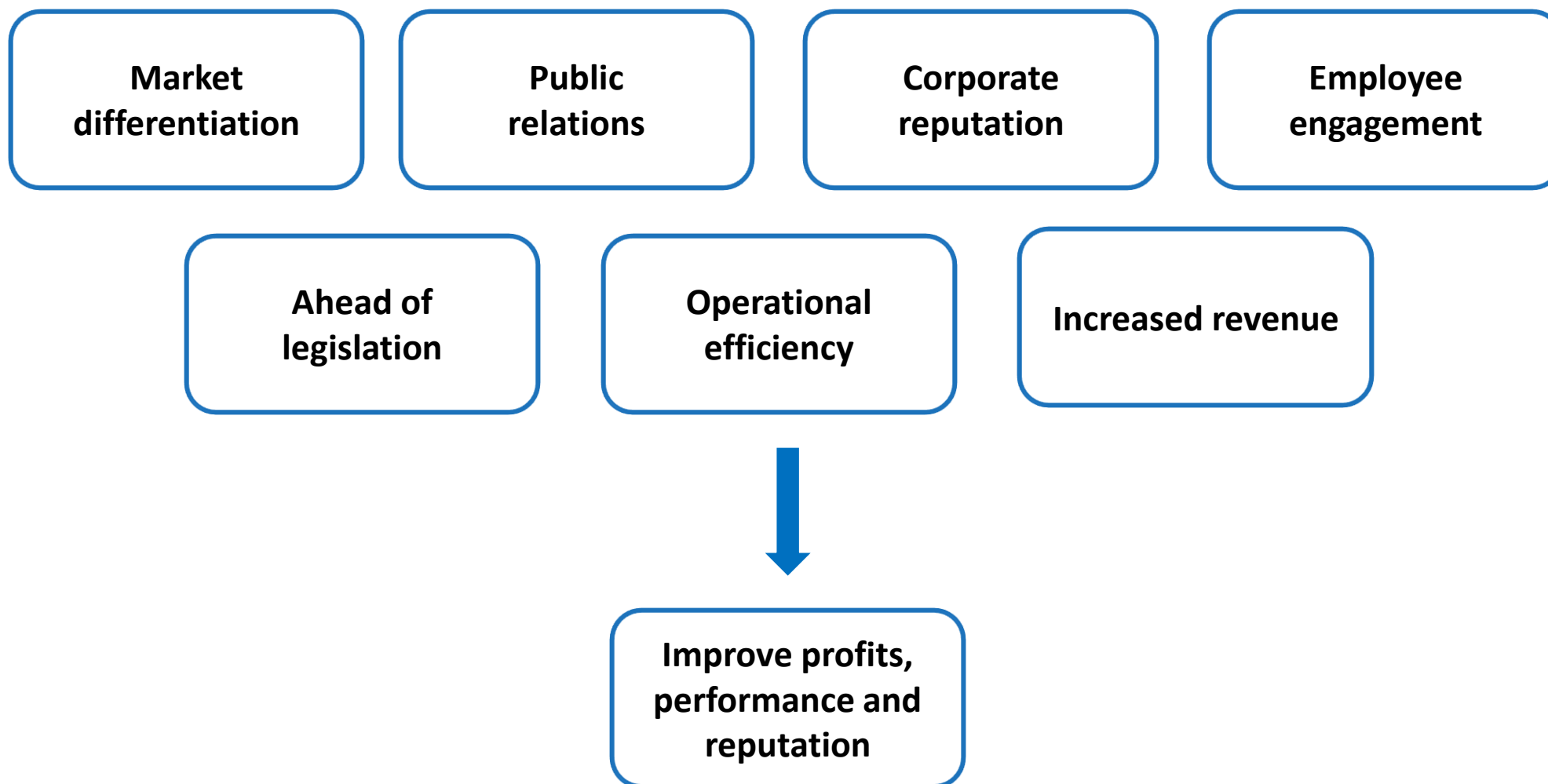


Waste Management



Plantations

Importance of carbon credit and water credits



**What do we
intend to do?**





1. Select your project



2. SASA Enviro signs an agreement with YOU



3. SASA Enviro appoints Consultant to prepare Documentation



4. Consultant
prepares the
documents, SASA
Enviro facilitates
uploading it in
Registry



5. SASA Enviro appoints Auditor for Verification



6. On Successful Audit, SASA Enviro facilitates uploading of Audit report in Registry



7. Registry issues the Carbon / Water Credit



8. SASA Enviro facilitate to sells those Credits and receives an Incentive



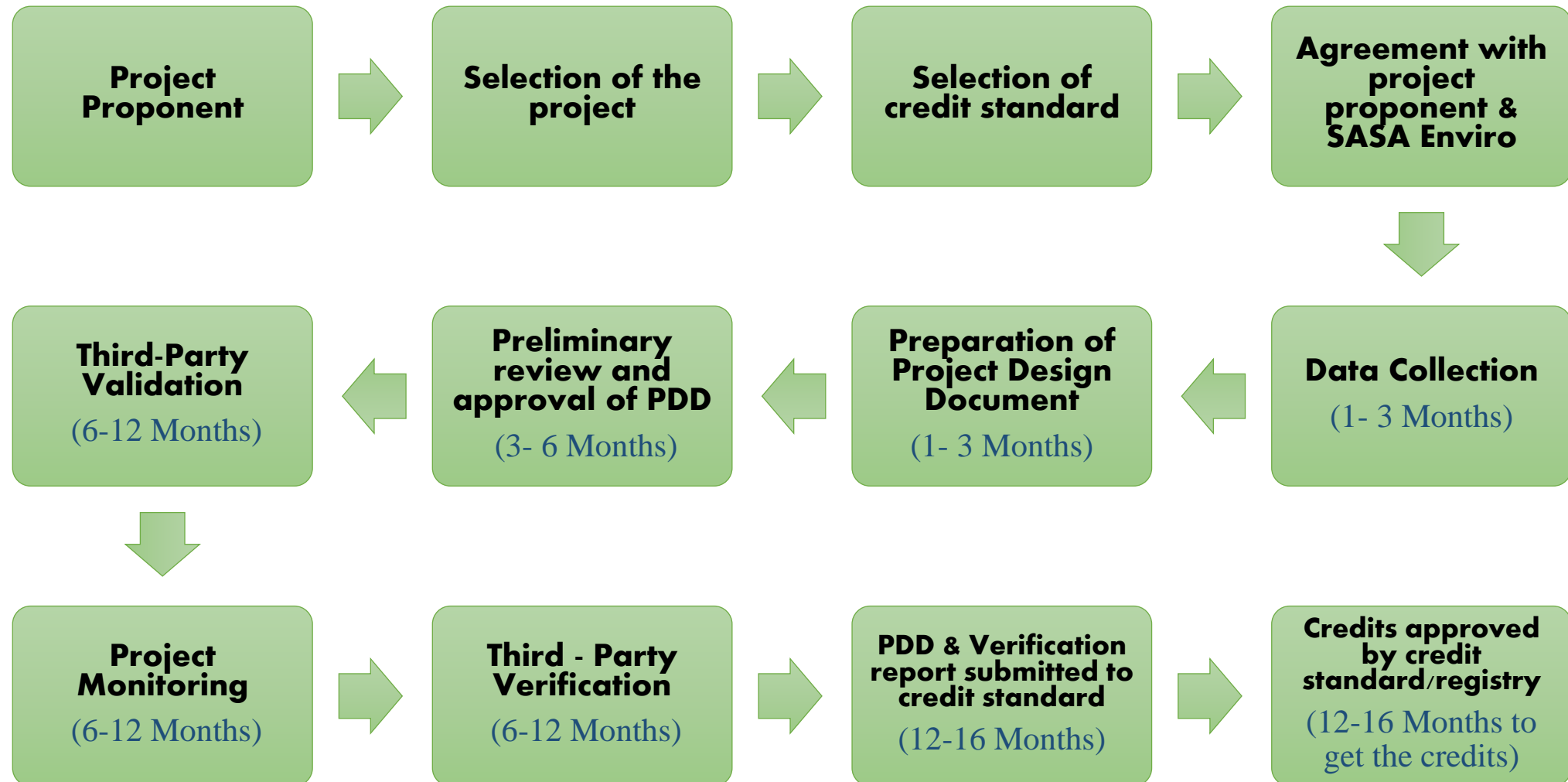
9. Incentive is then distributed between Proponent, Aggregator, Consultant & Auditor



AGENCIES INVOLVED



CARBON CREDITS PROCESS & TIMELINE



Carbon Pricing

Every Credit is different

- Geographical Region or Country
- Credit Methodology or technology
- Credit Standard
- Environmental Registry (credible and proven)
- Volume of credits generated per year (project)
- Vintage of credits – year issued
- Sustainable Development Goals (SDG) 4+ = CTX symbol
- Projects credit issuance costs: impact pricing
- Market dynamics – i.e. global events, supply /demand
- Additional revenue streams (e.g. Renewable Energy)



For these reasons CTX does not trade Hybrid Credit units where other Exchanges make the margin by deciding what's delivered .

CASE STUDIES

4.5 MW Small Scale Solar Power

Active

Start Year
2022

End Year
2042

Country, Province/State
Patan Gujarat India

Type
Energy Industries (renewable / non-renewable sources)

7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



13 CLIMATE ACTION



50 MW Wind Power Project

Active

Start Year
2013

End Year
2022

Country, Province/State
Surendra Nagar & Rajkot Gujarat

Type
Wind

7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



13 CLIMATE ACTION



17 PARTNERSHIPS FOR THE GOALS



CASE STUDIES

Vengurla Bundled Small Scale Rural Biogas Project

Active

Start Year
2013

End Year
2022

Country, Province/State
Vengurla Maharashtra.

Type
Biogas



14 MW SHP São Francisco

Active

Start Year
2013

End Year
2022

Country, Province/State
Brazil Toledo/Paraná

Type
Energy Industries (renewable / non-renewable sources)



CASE STUDIES

42 MW Biomass Based Power Generation

Active

Start Year 2013	End Year 2030	Country, Province/State Uttar Pradesh India	Type Biomass, or Liquid Biofuel - Electricity
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7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



13 CLIMATE ACTION



Emission Reduction in Aluminium Recycling process

Active

Start Year 2013	End Year 2022	Country, Province/State Haryana & Uttarakhand	Type Manufacturing Industries
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1 NO POVERTY



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



17 PARTNERSHIPS FOR THE GOALS



Welcome
Wayne Sharpe

Carbon Credit
Trading

Carbon Transaction Log

Support

Account Detail

REC Trading

Enable 2Factor Auth

Index (linked to your search parameters below)

Currency	Last Trade		2nd Last Trade		3rd Last Trade		Last 52 Weeks		
	Qty	Price	Qty	Price	Qty	Price	High	Low	Avg Qty
Default Listed	9,800	6.20	6,000	6.00	1,806	3.75	30.00	0.43	9,998

Offers List

Requests for Offer

















Currency Default Listed

* Select a currency first before sorting by price.

** The Default Listed Currency is in USD.

Sort Offer By Newly Listed

Search:

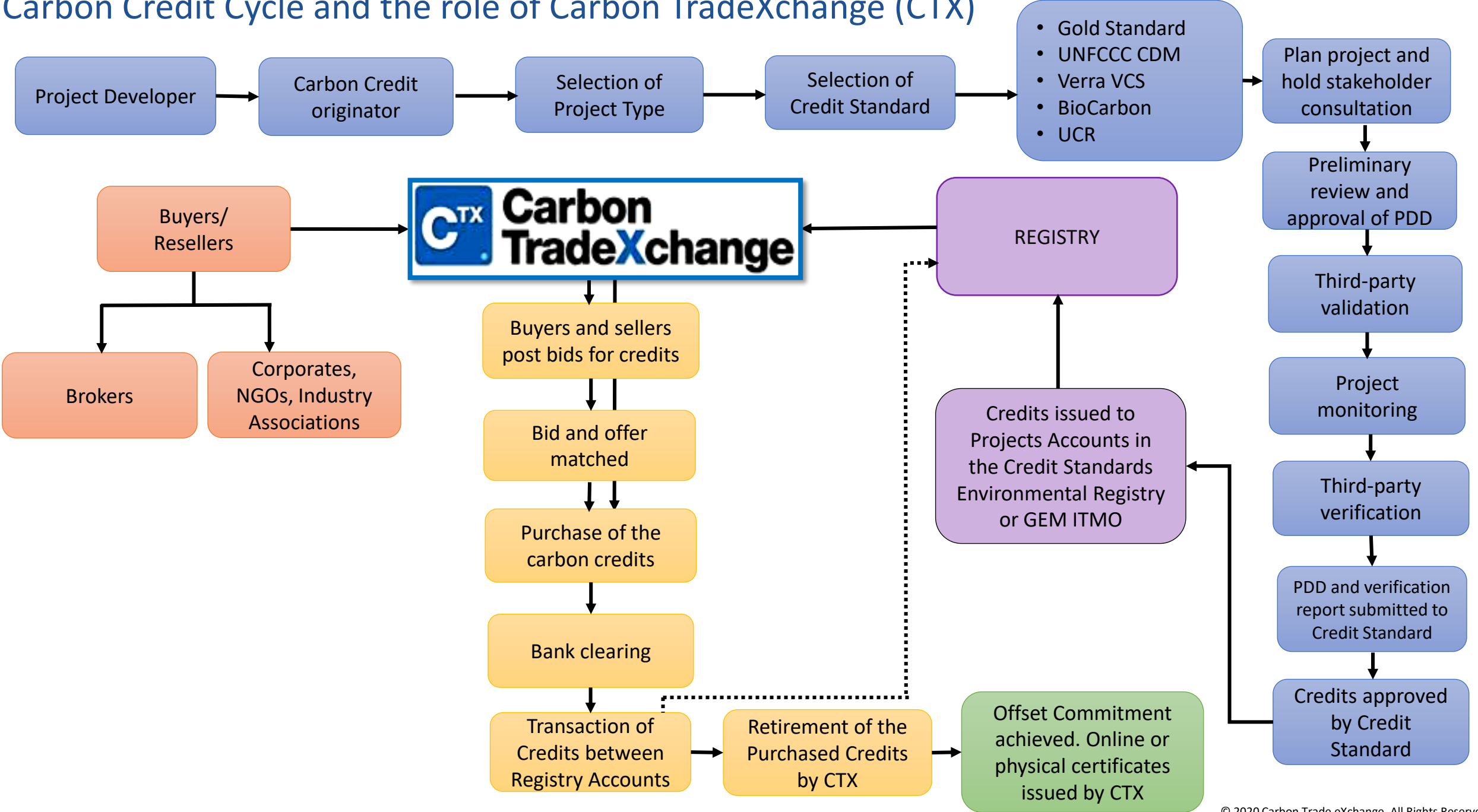
Vintage From Vintage To Standard			Project Type	Project ID	Region	Country	Qty	Offer to sell					
All	All	All	All		All	All							
2018	2018	Gold Standard	Afforestation / Reforestation	GS00142	Africa	Tanzania	620,700	USD 6.20					
2018	2018	VERRA-VCS	Waste handling & disposal	VCS00337	Europe	Netherlands	172,300	USD 6.00					
		CTX UN CER	Energy Industries - renewable/non-renewable sources	CTX07731	Asia	Myanmar	453,563	EUR 3.49					
2021	2021	International Carbon Registry	Construction	ICR24	Oceania	New Zealand	550	EUR 5.85					
2021	2021	Gold Standard	Wind	00GS4813	Asia	Indonesia	947,200	USD 9.75					
		CTX UN CER	Wind	CTX04928	Asia	China	439,970	USD 2.80					
2021	2021	Gold Standard	Energy Efficiency - Domestic	GS007312	Africa	Nigeria	489,917	EUR 7.00					
2019	2019	Gold Standard	Solar	GS000771	Oceania	Australia	1,000	USD 5.00					
2014	2014	VERRA-VCS	Forest Restoration	VCS1556	Asia	India	60,000	GBP 19.00					

Challenges

- **Complex process:** Monitoring, Verifying and reporting
- **Time consuming**
- The **value** of carbon and water credits **can fluctuate** impacting the financial return from these investments.



Carbon Credit Cycle and the role of Carbon TradeXchange (CTX)



Potential Benefits

- **Financial incentives:** Carbon and water credits can help businesses to earn more money by providing additional revenue streams and potentially increasing profit.
- **Access to the new markets:** By reducing their environmental impact, business can attract environmentally-conscious customers and industries who prefer to engage with eco-friendly businesses.
- **Improved sustainability:** Implementing sustainable practices to reduce the emission and water consumption can help business to align with sustainability goals and regulatory requirements.
- **Enhanced reputation:** Participating in carbon and water credit program can demonstrate a business's commitment to environmental responsibility, which can enhance the company's reputation.
- **Environmental protection:** Carbon and water credit can help businesses protect the environment by reducing their carbon footprint and conserving water resources.





SARAL ENGINEERS LLP

(GROUP OF K G CORPORATION)

BUSINESS DEVELOPMENT CONSULTANT FOR
SASA ENVIRO AND AGROTECH PVT. LTD.

306, Sarita, Jain Temple-St. Xavier's College Road,
off. C.G. Road, Navrangpura, Ahmedabad – 380 009.

Mobile : +91 9824250640, +91 9714050640

Email : saralengineersllp@gmail.com
bhadreshnagori@gmail.com

Website: www.kgcorporationindia.com
www.kgcorporation.ci.in