

MNZH – WP04 Executive Report

3 July 2026

Final V1.0

PROGRAMME : MNZH – Work Stream 4

PROJECT : CORC Platform

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Report Period: 20th May – 30th June 2026

DELIVERY
PLAN

Report Date: 30/06/2026

Prev

G



C

Workstream Objective & Mission : WC aims to demonstrate how CORC carbon credit trading using a platform designed for local authorities can deliver real financial benefits, as well as environmental ones.

Overall Status Summary:

- The team reviewed the final draft of the requirements, incorporating feedback to complete them and develop the value chain. Following internal sign-off, the requirements were used to create a working prototype demonstrating their potential.

Upcoming Key Milestones	Due Date	RAG Status
Final draft of requirements documents	29/05	C
Hold briefing on WP4 with WC and gain sign-off to Requirements	29/05	C
Walkthrough of principle modelling	31/05	C
WS4 – Commence & Complete Final Report & gain approval / Sign-Off	03/07	G

Key Achievements of last period	Key Activities Planned for next period
- Review session on final draft of the requirements, feedback was then worked on to produce the final version of the requirements. - Value chain created to go alongside the requirements. - Final version of the requirements excel document completed. - Internal sign off on the requirements completed. - Demo created using the requirements and AI coding tools. - Executive report prepared. - Internal review and sign off, for the executive report and platform demo/prototype completed.	- Sign off by MNZH 30/06 - Sign off by WMBC 03/07

Topic	Current Status	Previous Status	Commentary
Resources	G	G	
Budget	G	G	
Timeline	G	G	
Scope	G	G	

Issue / Risk No.	Description	Negative Consequences (Impact)	RAG Rating Risk No Current controls in place	Mitigating Actions / Controls
	No Issues reported to date		N/A	
	No Risks reported to date		N/A	

Executive report presents the process and structured definition of the CORC trading platform, developed through a staged, end-to-end methodology. Outputs of this work stream collectively establish a consistent and integrated view of how the CORC marketplace will operate for local authorities, defining the core functional architecture, key user roles, and system interactions required to support trading, management, and governance of CORCs.

Aim – To develop a digital platform for efficient and transparent CORC trading to grant local authority bodies inclusive participation into the CORC market.

Overview

Proposed CORC trading platform to enable issuance, trading, and management of carbon removal credits within a single integrated digital ecosystem.

Approach & Methodology

Developed through a structured process: interaction pathways - swim lanes - requirements outline - the requirements, ensuring full end-to-end traceability.

Design & Development

Defines core platform structure and processes across IT, Buyer, Seller, Council Admin, and UI/UX, covering transactions, CORC lifecycle, and external registry integration.

Platform Solution

Enables users to register, manage accounts, list/buy CORCs, and complete transactions through a clear and streamlined user experience.

Conclusion & Next Step

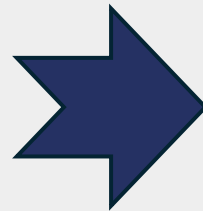
Provides a scalable foundation design for a carbon trading ecosystem. Next step is detailed technical design and system build.

Problem and Opportunity Statement

Local authorities are currently faced with complex processes, high fees such as 10-20% of credit sale value, and additional fees when trading fewer than 1000 Carbon Removal Credits (CORCs). These issues prevent them from monetising smaller quantities and delaying revenue generation. There is an opportunity to create a digital trading platform that lowers barriers and simplifies interactions, to grant local authority bodies inclusive participation in the CORC market. This platform would prioritize easy, quick, secure, and transparent transactions, without high service fees or low volume thresholds.

Current challenges

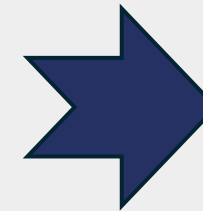
- High broker fees up to 20% of credit sale value
- Extra fees when trading < 1000 CORCs
- Complex CORC trading processes
- Limited accessibility for smaller councils



The Solution

Create a new digital platform with:

- Portfolio management system
- Live CORC marketplace
- Direct council to council trading
- Registry integration for Auditability
- Secure and transparent transactions
- Accessibility for all councils

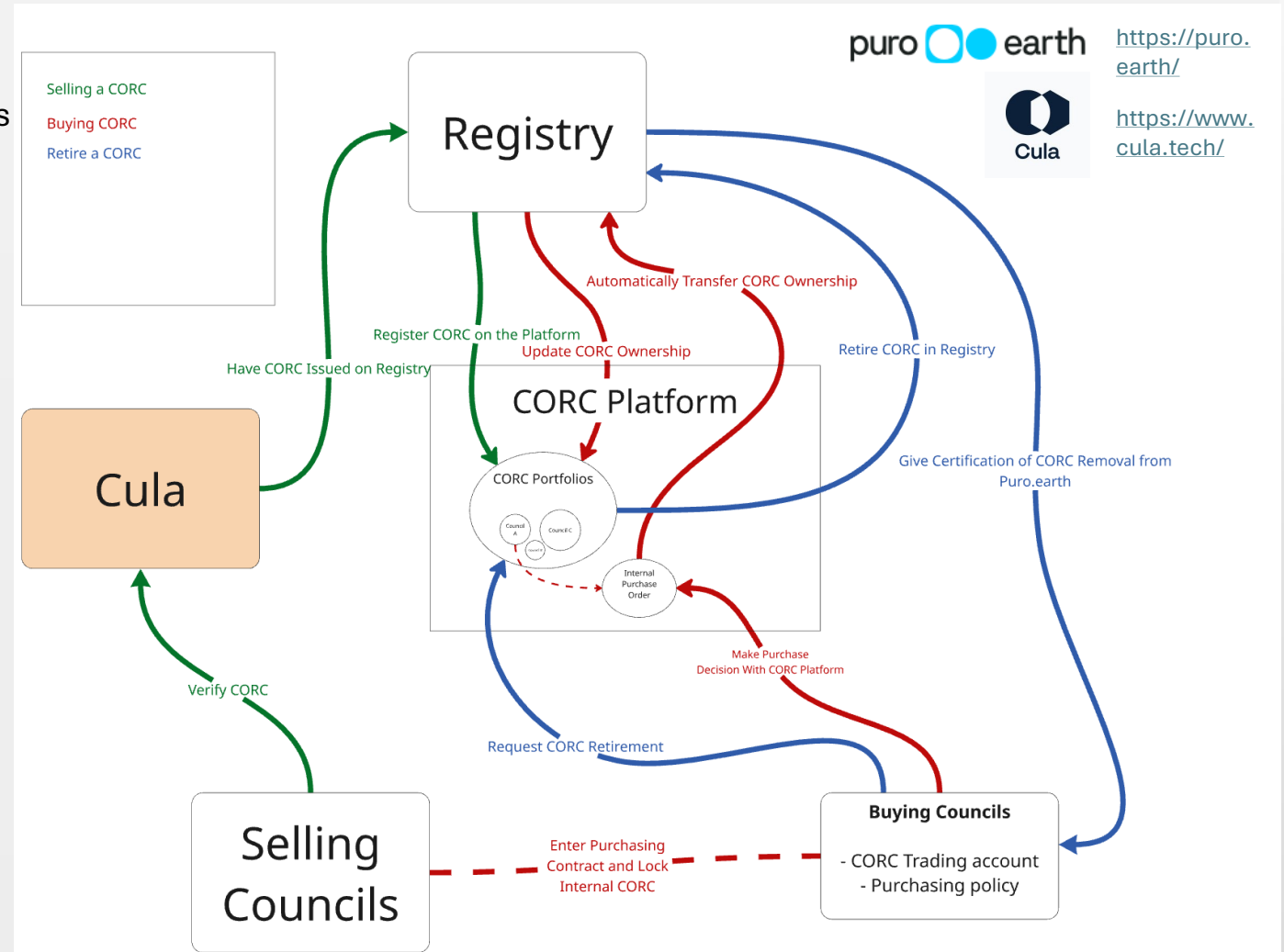


Expected Benefits

- Lower transaction fees & cost
- No low volume barriers
- Pooling of LA CORCs
- Frictionless intra-LA trading
- Increased market participation
- Transparent and auditable trading
- Simple and streamlined interface for ease of use

Platform Interaction Map

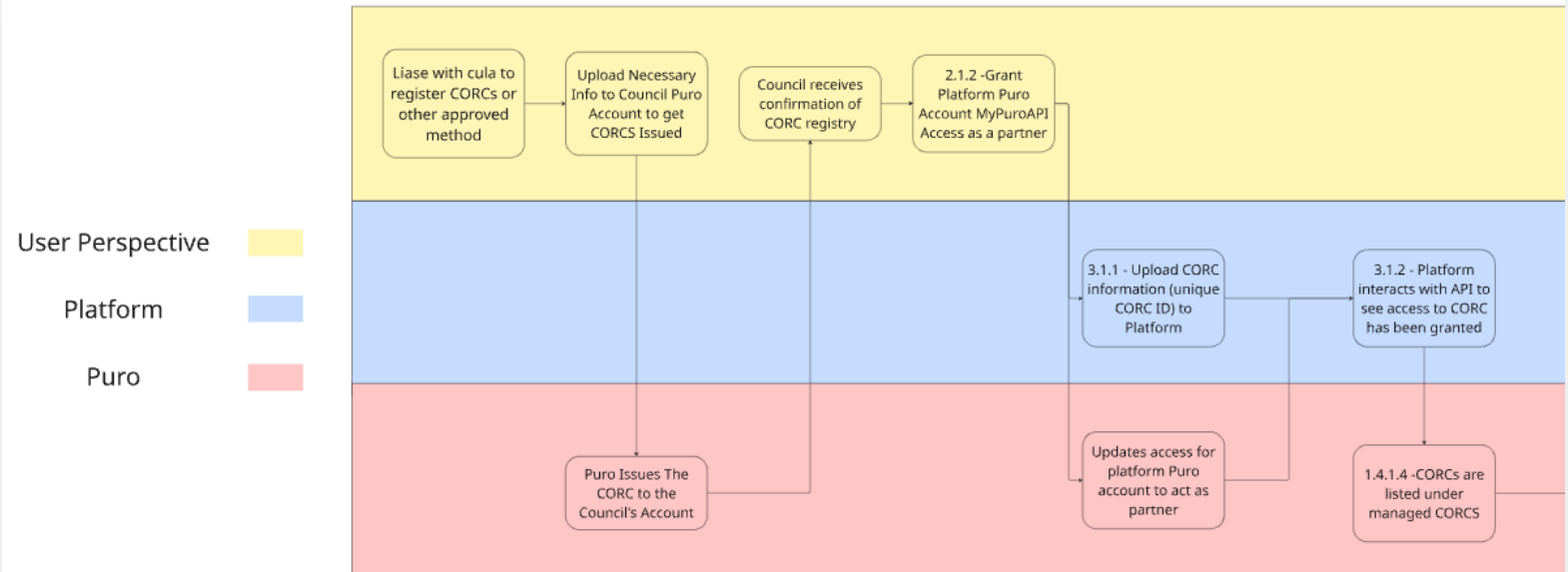
- The interaction map is a visual overview created in the early stages of planning to outline how we initially envision the platform operating, it helped define key components, systems and touchpoints and how they are expected to connect and interact with each other.
- The interaction map shows our initial thoughts on how councils would sell (green flow) and buy (red flow) CORCs from one another but also how they would buy from a third party through our platform (blue flow).
- Cula** is a DMRV (Digital Monitoring, Reporting, and Verification) software platform that measures and organizes evidence such as sensor data, emissions calculations, and lifecycle assessments to help carbon removal projects generate certification-ready data.
- Puro.earth then evaluates that evidence against its methodologies, certifies the removals, and issues tradable CORCs, before any CORCs are tradable on our platform they must be issued on Puro.earth.
- We have used the interactions map to establish a shared understanding of the platforms structure and how we want it to operate before moving forward and developing detailed user workflows.



Swim Lane Interaction Pathways

- Interaction pathways, also known as flow charts, were first used to create a visual map of how users are expected to move through the platform by outlining the steps, decisions, and actions involved from both the “User Perspective” and “Platform Perspective”.
- These pathways helped us understand the user journey, identify key features and decision points, and highlight any gaps or inefficiencies early in the planning stage.
- The pathways were then developed into swim lanes to show which user, platform, or external system was responsible for each step.
- By using swim lanes, we were able to visually map how steps, decisions and actions flow through the platform and external platforms. Providing a clear view of interactions, integration points, and responsibilities across the wider ecosystem before detailed requirements were defined.

Selling Council Perspective



The Requirements

- To create the requirements, we first developed a requirements outline following the completion of the swim lane interaction pathways. The requirements outline combined all user journeys, system processes, and integration points into a structured view of how the CORC trading platform would operate. This helped to identify gaps and ensure all preliminary functionality was captured.
- The requirements were then defined on Excel using the requirements outline as a structure, setting out the core functions and interactions needed for the platform to operate, which were grouped into IT, Council Admin, Buyer, Seller, and UI/UX (User Interface/ User Experience).
- Upon completion of the requirements, we conducted an internal sign-off, reviewing each row to ensure they met quality and comprehensiveness standards, and aligned with our problem and opportunity statements.
- The Excel document contains 27 items in the value chain and has 93 requirement rows in total, with examples below illustrating the level of detail captured within one row. The left side shows the function references and Value chain references. The right side shows the description of what each function does and beside it is the Acceptance Criteria which defines the conditions that must be met for a function to be considered successfully completed.

A	IT Infrastructure	1.0	Information	1.1	Database	1.1.5	As an IT Owner, I want the database to store all information necessary to describing and identifying a unique CORC, including external reference, owning council, originating council, amount, and status	AC.1.1.5	Given I am an IT Owner, I am confident in the reliability of the CORC table at being a comprehensive record of ownership and CORC status
C	Seller	3.0	CORC Control	3.3	CORC Listing	3.3.2	As a seller, I want to be notified of a successful CORC upload and to see the CORC in my platform portfolio.	AC.3.3.2	Given I am a seller, I feel confident that my CORC is valid and registered properly through confirmation email and the CORC being in my portfolio.
D	UI/UX	2.0	Transaction	2.7	Marketplace Page	2.7.2	As A UI/UX owner, I want the marketplace page to have interactive CORC listings that upon clicking reveal more information.	AC.2.7.2	Given I am a UI/UX owner, I am able to click on listed CORCs I am able to see information such as location and issuance data by clicking a listed CORC.

Value chain

- The purpose of the value chain is to work alongside the requirements to ensure a complete, joined-up view of the platform by linking all system functions, user activities, and external interactions in one model.
- This shows how value is created and managed across five key areas: Information, Transactions, Management, Registry, and Security. It is structured across the different functional layers of the platform, including IT Infrastructure, Buyer, Seller, Council Admin, and UI/UX (User Interface/ User Experience).
- Each section breaks down the key activities and responsibilities required at each stage of the process, from data management and account setup through to trading, issuance, and retirement of CORCs.
- This helps identify dependencies, responsibilities, and integration points, ensuring no gaps exist in the end-to-end process before finalising requirements.

		01 Information	02 Transactions	03 Manage	04 Registry	05 Security
A	IT Infrastructure	1 Database	1 Matching Algorithm		1 Verification	1 Account Security
		2 Data Updates	2 Transaction Results		2 Actions	2 Permissions 3 Data Security
B	Buyer		3 Marketplace	1 Retirement		4 Buyer Login/Registration
			4 Purchase Order			
			5 Payment			
C	Seller	3 CORC Procurement Info	6 Sale Processing	2 CORC Listing	3 CORC Issuance	5 Seller Login/Registration
D	Council Admin	4 Council Registration	7 Payment Info			6 Account Management
		5 Council Info				
E	UI/UX		8 Marketplace Page	3 Portfolio		8 Login/Registration Page
			9 Purchase Order			

Interactive Demo / Prototype Walk Through

Video Tutorial – by Damian Elkins

Completed Deliverables

- Research current trading platforms ☒
- Create a problem and opportunities statement ☒
- Platform interaction map ☒
- Interaction pathways ☒
- Swim lanes ☒
- Requirements outline ☒
- Researching registry interaction ☒
- Value chain created to go alongside the requirements ☒
- Finalise Platform requirements ☒
- Created a visual working demo/prototype using AI tools ☒
- Executive Report prepared ☒

Conclusions:

1. The project brief has been met in terms of designing and developing a digital platform for efficient and transparent CORC trading to grant local authority bodies inclusive participation into the CORC market.
2. The project brief has been exceeded in terms of designing a platform whose intellectual property (IP) can be owned jointly by MNZH and Klere, and promoted to other NZHs and their respective local authorities.
3. The next stage would be to test the platform with participant WM local authorities to demonstrate the benefits and ease of using the video tutorial.

Recommendations :

1. That MNZH stakeholders approve for project being complete / signed off.
2. Consider how/ whether to commission further work to build and test the platform; subject to available funding.
3. MNZH consider the type of business and operating model required to govern, manage and operate the LA CORC trading platform.
4. MNZH with Klere own the IP and present to other NZHs to promote and build a collective support of NZHs for the CORC platform.

Workstream 4 - Project sign off & completion

Walsall Metropolitan Borough Council;
Midlands Net Zero Hub;



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Tim Smith

Appendix – WS4 Outputs

Klere will issue to MNZH & Walsall MBC:

- Copy of Requirements Catalogue
- Copy of this Executive Report
- Copy of Video Tutorial

Get in touch



Klere

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