

# Keeping Track: Digital Public Goods for the Paris Agreement

Sixth Virtual Meeting of the Community of Practice

# Agenda

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and  
Introduction

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Côte d'Ivoire Journey:  
Adapting the  
DPG Carbon Registry  
to a National Context

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National Carbon  
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d'Ivoire

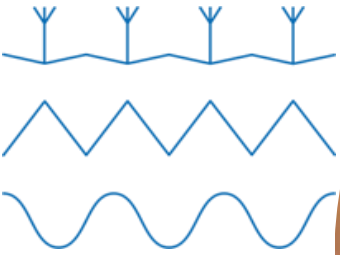
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Introduction

5

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and Next  
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# Session 1: Côte d'Ivoire Journey: Adapting the DPG Carbon Registry to a National Context



**Presenter:**

**Siriki Coulibaly,**

Consultant, Carbon and NBS Expert, Government  
of Côte d'Ivoire

# The DPG carbon registry



UNDP has developed an interoperable digital system, which allows countries to efficiently manage data and national carbon project.

The registry uses open-source code, which allows countries to reproduce and adapt the information, modules, and documentation techniques according to their own needs and contexts.

The DPG Registry follows international best practices based on country contributions. It is aligned with the UNFCCC guidelines and helps reduce production costs and implementation times.



# Development process



Collection of documents relating to the national carbon market

- The documents used are: ToR; Strategic framework; Institutional and regulatory framework; Benefit sharing plan under the PRE project; Procedures manual; Other documentary resources.

Analysis of collected documents

- The documents allowed to understand the national context through the regulatory and institutional framework, and the procedures manual.

Exchanges with national stakeholders

- Physical interviews and virtual workshop on June 14 allowed us to collect opinions and recommendations from national stakeholders. We were thus able to establish the Workflow of user profiles

# Development process



## User Profile Workflow

### The Project Developer

- He implements the project and provides data on the carbon project

### The certifier

- It is the independent entity which carries out the verification and validation of carbon projects

### The carbon market office

- It is the administrator of the registry who monitors the projects, checks their eligibility, their certifications and grants carbon credits.

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# Côte d'Ivoire Mission/ Implementation



**The customization of the platform required modifications, which allowed us to:**

- Translate the platform from English to French;
- Create interactive dashboard allowing visualization using simple graphs, for each user profile;
- Create a platform for managing the eligibility of project idea notes;
- Integrate a geolocation and project overlap detection system;
- Add an electronic and manual signature management system;
- Create a document authentication system that makes it possible to verify the authenticity of documents issued;
- Add generative AI that can answer basic questions about carbon finance.

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# Côte d'Ivoire Mission/ Implementation



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## Some challenges of configuring the registry

### Engagement of all stakeholders

- One of the immediate challenges we faced was the difficulty of involving all stakeholders and bringing them together around this important topic.

### Implementation of procedures

- Another challenge lies in the digitization of the carbon market framework and the procedures manual which is not always clear and precise on certain points.

### Data Security and Privacy

- Data security and confidentiality are critical issues in the management of sensitive registry information.

# Future Plans



On Tuesday, July 23, the registry was technically approved during a validation workshop bringing together all key stakeholders. While waiting for the regulatory and institutional framework to come into force, it is up to the consultant team to:

- Write a user manual for each user profile. That is to say a manual for developers, a manual for certifiers and a manual for the carbon market office.
- Train the Carbon Market Office team on the operation of the registry and its use.



# Session 2: Presentation of the National Carbon Registry for Côte d'Ivoire



**Presenter:**

**Roger Doffou,**

Developer Consultant, Carbon Registry,  
Government of Côte d'Ivoire

# Côte d'Ivoire Carbon Registry Architecture (Website)



## Structure of the carbon registry website

Home page

- Welcome Message
- Some Statistics on Mitigation Programs and Results
- Carbon Market Participants in Côte d'Ivoire and Role in the Register
- Recent Carbon Project Register
- Partner
- AI Bot Attached

Connexion

About page

- Purpose of the Register
- Mission of the Register
- Values Embodied by the Register

Explorer

- Explore programs registered in the registry
- Explore Organization registered on the carbon register
- Sector and sub-sector included in the register
- Carbon credit statistics

Program

- List of programs registered on the carbon register

Eligibility

- list of criteria for participation in the carbon market in cote d'ivoire
- Submitting an idea note
- Space to connect to the eligibility platform to track the progress of your idea note (developer's waiting room before access to the register)

Resources

- Documentation (Contains all public documents about the carbon market & climate)
- FAQ section (frequently asked questions)
- Verify a document (Space to verify all letters and documents generated by the register)

Contact

- send a message to the carbon market office

# Côte d'Ivoire Carbon Registry website (Home )



**REGISTRE CARBONE NATIONAL**  
REPUBLIQUE DE CÔTE D'IVOIRE

Accueil A propos Explorer Eligibilité Projets Ressources Contact Se connecter

## Bienvenue sur le registre carbone national de la Côte d'Ivoire

Etabli par le Gouvernement de Côte d'Ivoire, le registre national carbone permettra de faire l'inventaire, le suivi et le compte rendu de toutes les activités d'atténuation au niveau des secteurs définis dans les Contributions Déterminées au niveau National.

Voir plus

Quelques statistiques des programmes et résultat d'atténuation.

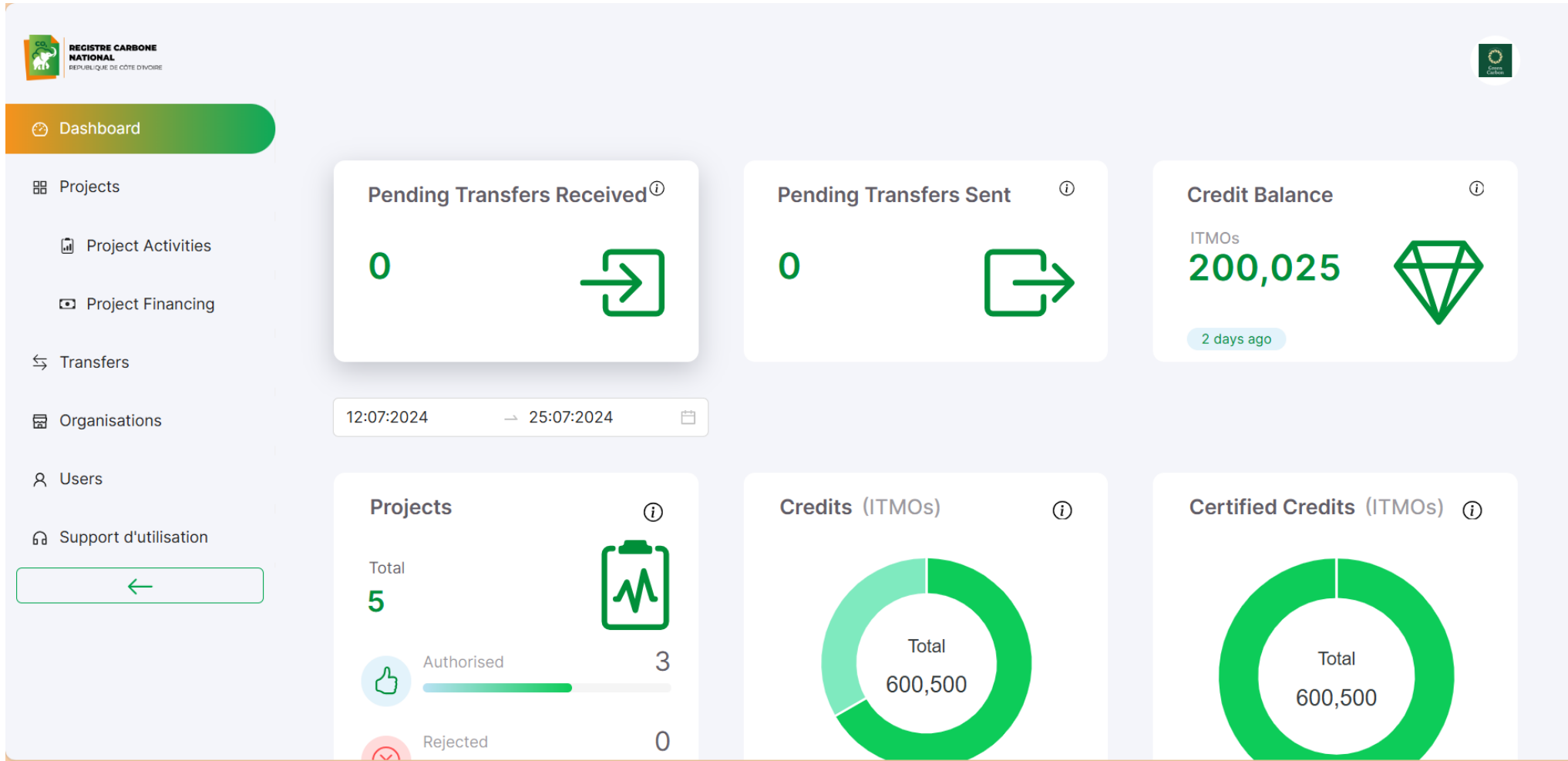
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ITMO annulés 0	ITMO prêt pour autorisation 1019468	

Chat bot

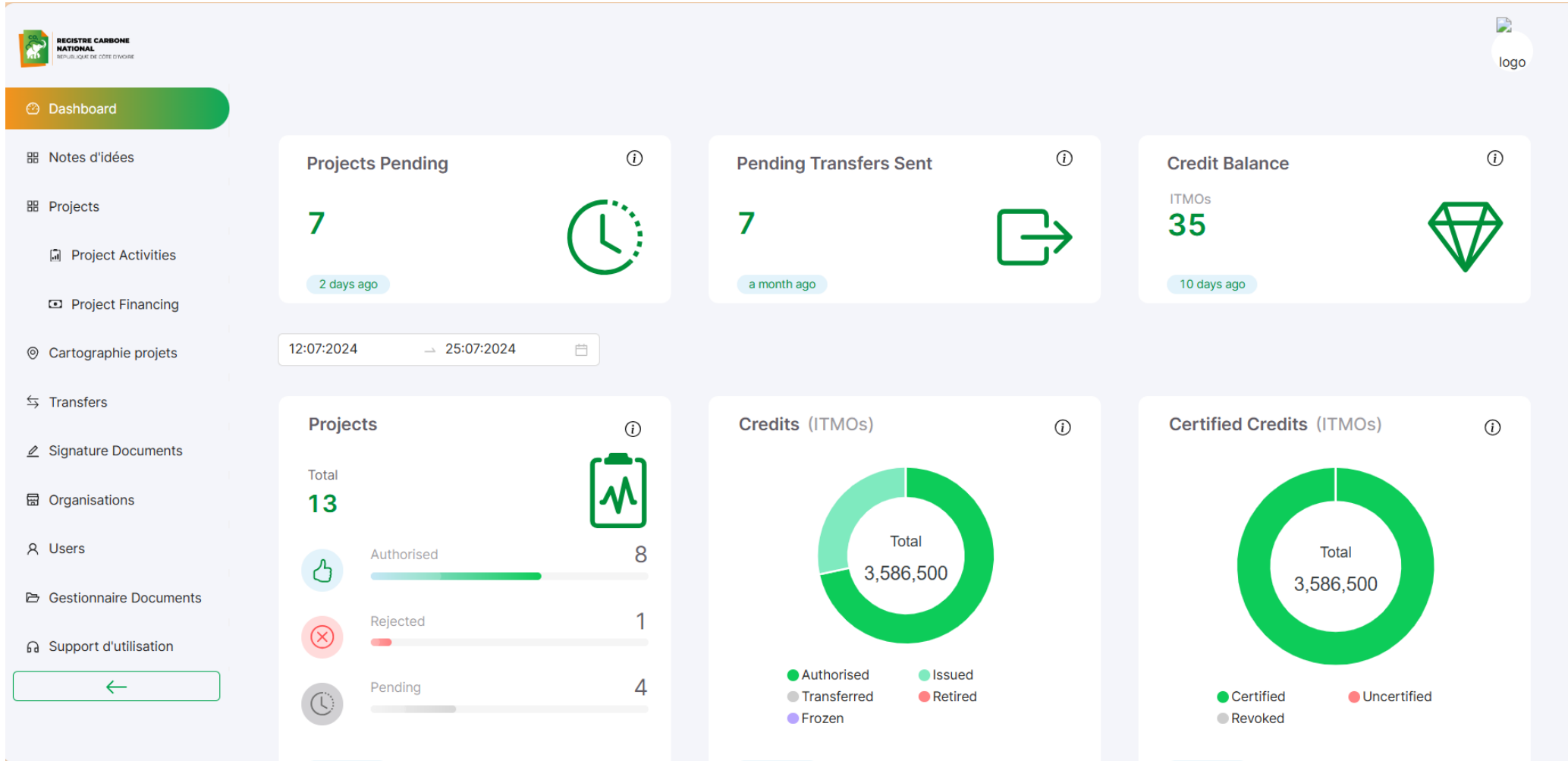
Chat bot



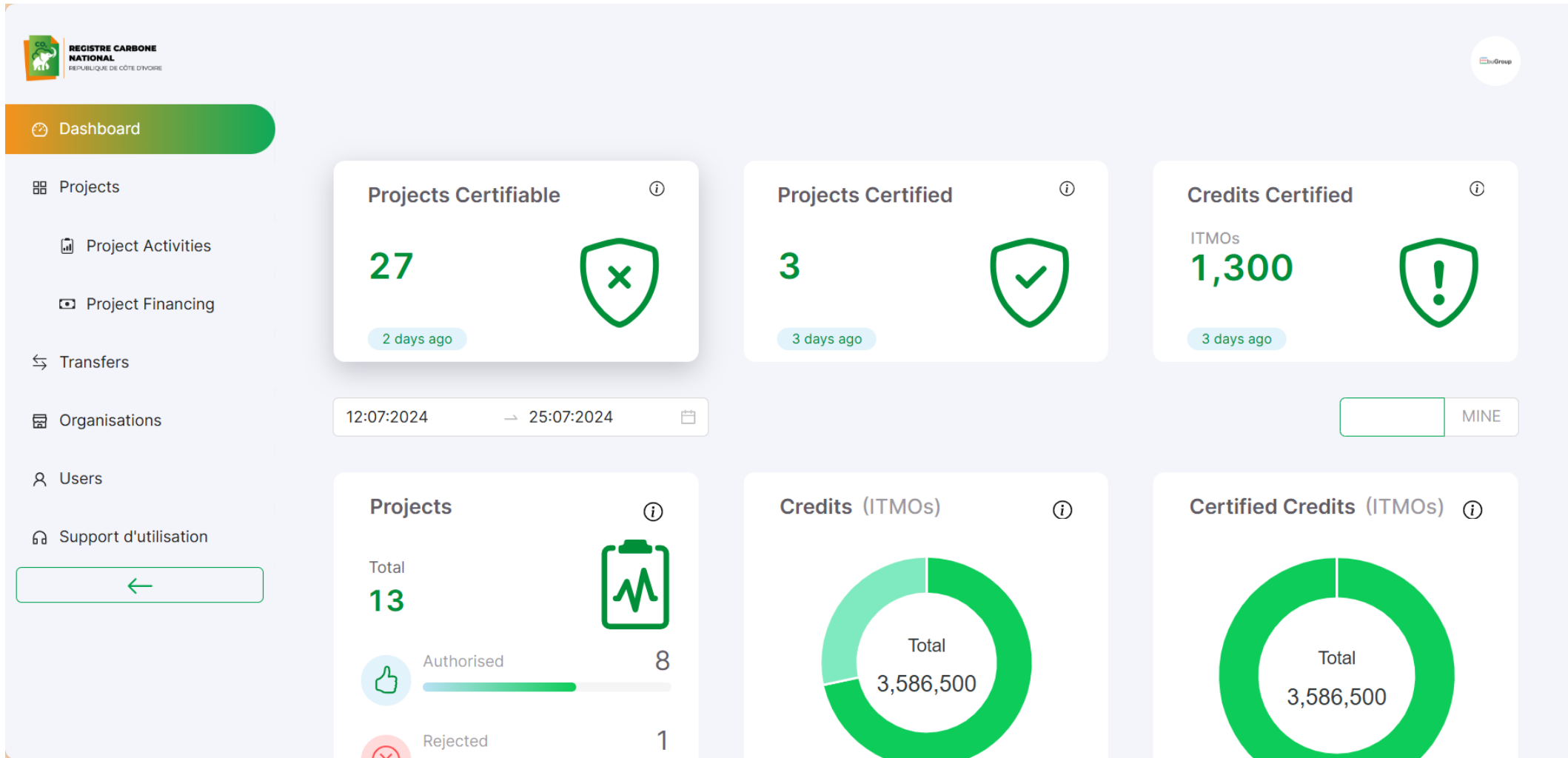
# Côte d'Ivoire Carbon Registry application (Developer space)



# Côte d'Ivoire Carbon Registry application (Carbon market office space )



# Côte d'Ivoire Carbon Registry application (Certifier space )



# Côte d'Ivoire Carbon Registry application (Electronic letter signed )



**REGISTRE CARBONE NATIONAL**  
REPUBLIQUE DE CÔTE D'IVOIRE

Tableau de bord  
Document

Déconnexion

Landing

Avatar

**5**  
Signature en attente

**7**  
Mes signatures

**0**  
Document(s) rejeté(s)

**31**  
Document(s) approuvé(s)

### Signature en attente

Afficher 10

Date ^	Code	Type	Action
Mon Jul 22 2024 14:57:15 GMT+0000 (Coordinated Universal Time)	RCCI-AUL-000060	autorisation_letter	<a href="#">Détail</a>
Tue Jul 23 2024 10:23:51 GMT+0000 (Coordinated Universal Time)	RCCI-ELL-000065	eligibilite_letter	<a href="#">Détail</a>
Tue Jul 23 2024 10:24:10 GMT+0000 (Coordinated Universal Time)	RCCI-ELL-000067	eligibilite_letter	<a href="#">Détail</a>
Tue Jul 23 2024 10:24:31 GMT+0000 (Coordinated Universal Time)	RCCI-ELL-000068	eligibilite_letter	<a href="#">Détail</a>



# Côte d'Ivoire Carbon Registry application (Electronic signed letter space)



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Tableau de bord

Document

Detail Document

Déconnexion

« Landing

**Information générale:**

Project:	041	Date:	Mon Jul 22 2024 14:57:15 GMT+0000 (Coordinated Universal Time)
Type:	autorisation_letter		
Iddentifiant:	RCCI-AUL-000060		
Immat:	IDRC162184071553		

Navigation bar with icons: list, funnel, search, zoom, page 1 sur 4, refresh, print, etc.

**REGISTRE CARBONE NATIONAL**  
REPUBLIQUE DE CÔTE D'IVOIRE


République de Côte d'Ivoire  
Union - Discipline - Travail

Ministère de l'Environnement  
et de la transition Ecologique

Bureau du marché carbone Côte d'Ivoire

Abidjan, le lundi 22 juillet 2024

Réf. : RCCI-AUL-000060



Avatar

Signer au dessus

Effacer <-

**Ou charger un fichier**

Choisir un fichier Au...né

Approuver

Refuser



# Côte d'Ivoire Carbon Registry application (GIS system and detecting overlaps carbon project )



Rechercher un projet carbone

**Avertissement** 10  
Superposition de projet carbone  
[En savoir plus](#)

REGISTRE CARBONE NATIONAL  
REPUBLIQUE DE CÔTE D'IVOIRE

- Tableau de bord
- Notes d'idées
- Projets
- Activités de projet
- Financement de projet
- Cartographie des Projets
- Transferts
- Organisations
- Utilisateurs



# Côte d'Ivoire Carbon Registry application (authentication of signed letters )



[Accueil](#) [A propos](#) [Explorer](#) [Eligibilité](#) [Projets](#) [Ressources](#) [Contact](#)

[Se connecter](#)

## Ressources > Vérification

Vérifier l'authenticité de tous les documents



IDRC

Chat bot



Entrer le numéro d'authentification du document

La vérification se fera de manière automatique

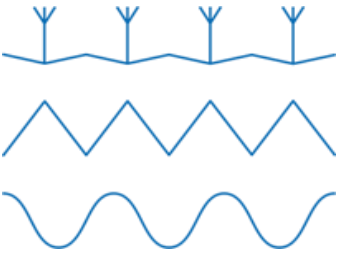


[Liens principaux](#)

[Liens utiles](#)

[Ressources](#)

# Session 3: Project Design Document (PDD) tool



**Presenter:**

**Panna Siyag**

Programme Officer, UNFCCC

# Introduction



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## Problem definition

- **Complexity** of CDM methodological landscape (> 200 methodologies, plus many more methodological tools);
- Participation **barrier** for low-resource entities: need to hire consultants;
- **Variability** in content and structure of Project Design Documents;
- Inaccessibility of **data** related to projects (e.g. > 8,000 PDF documents to be manually searched).

## Solution

- Web-based **interactive** application to help develop PDDs;
- Automated **workflow**;
- **Database** of projects builds up in real time.

# Added value (validated)



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- **Efficient** process of PDD development
  - User focus on the technical details; reduced complexity; broader accessibility;
  - PDD development expedited: saves time and effort.
- Data validation and **automated** calculations
  - Input data is requested only once (single source);
  - Data is validated at input time: fewer errors in data;
  - Calculations performed digitally: fewer errors in calculations.
- **Standardized** PDD content and structure
  - Objective, consistent, and standardized PDD;
  - Limits subjective and unrelated content.

# Future Thinking



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- To digitalize the full **activity cycle**, including registration, validation, monitoring, verification and issuance of credits.
- Enable activity participants, the DOEs, the DNAs, the secretariat staff, and the members of the Supervisory Body of Article 6.4 mechanism to:
  - Create, access, and digitally process **documents**, upload **data**;
  - Perform other assigned tasks in digital **workflows**.
- Allow third party actors/developers to access data via an application programming (**API**) interface.

# Wrap Up and Next steps

- **Next Community of Practices** in September 2024 : DPG

Transparency system. Guess: Senegal

- **Roadshow for LAC** on the Transparency System coming in

September!

- For Government Partners, please contact UNDP-Co and email

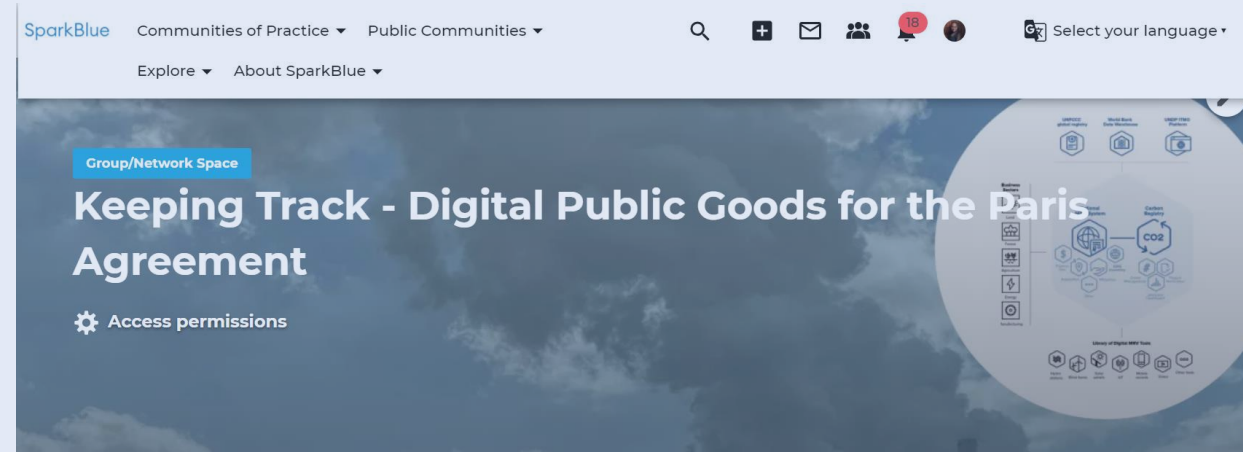
[digital4planet@undp.org](mailto:digital4planet@undp.org) to request **Technical Assistance** on

the DPG carbon registry and/or the DPF



# How to stay engaged

## Join the Online Community of Practice



<https://www.sparkblue.org/group/keeping-track-digital-public-goods-paris-agreement>



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# Thank You!

**Contact:** Dominique Miegum Ngninpogni

Digital Country Analyst

Climate Hub | Nature Hub

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