



Project Title

Carbon Value Exchange Platform (CaVEx)



Implementing Partner

4R Digital



Donor

FCDO



Value (in £)

74,300



Implementation Period

2021-2022



Countries Covered

SSA



Project Description

CaVEx is a cloud-based digital marketplace that will enable:

- collection, verification and monitoring of climate positive activity data from small-scale projects;
- registration and conversion of data into carbon credits using distributed ledger technology;
- sale of carbon credits from projects to buyers, ensuring maximum transparency; and direct transfer of carbon sale proceeds to projects, using mobile payments.

This will allow numerous small, accurately measured projects (that wouldn't have the scale nor resources to go through tailored expert evaluation) to participate in carbon markets. It will also give carbon buyers visibility of the project activities that they are supporting.

In the early phases of this project, FSD Africa provided grant funding to 4R Digital to develop a proof of concept and detailed use cases for CaVEx, with the aim of improving market infrastructure to facilitate the scaling up of voluntary carbon markets. Following successful concept development, we have provided pre-seed capital to support the buildout of the platform and to facilitate a future seed capital raise. The usecases being tested during platform development include a solar powered water pump project in Kenya and a rechargeable batteries project in Senegal. Once built, the CaVEx platform will be scalable across different use-cases and geographies, including across and beyond Africa.



Target Results

- Over 50 projects onboarded
- Operational in at least 6 markets
- \$100m+ of climate finance accessed
- 6m+ tonnes of CO₂e accounted for
- Global user base spanning a range of corporate buyers



Progress

- Platform under development, with minimum viable product (MVP) planned for September 2022
- Two "live" platform users being tested
- Presence in two countries (Kenya and Senegal)
- One buy-side partnership established



Contact

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