

UNCCD Program implementation - Ambition Loop

Water & Land Intelligence Platform for Sustainable Agriculture

Overview

We are developing a regional platform integrating GIS, remote sensing, and hydrological data to improve water resource management, drought resilience, and sustainable agriculture. The platform connects governments, universities, startups, and farmers.

Key Components

- Data infrastructure (GIS & Earth observation) with high network in the market
- Startup incubator (agri-tech, water-tech), I am a previous mentor, coordinator for startups
- Training & education programs (I have developed STEM curriculum development)
- Farmer advisory & social support services

Impact

- Increased agricultural productivity
- Improved drought preparedness
- Enhanced employability in rural areas
- Greater access to land and resources for women
- Support for organic and sustainable farming

Funding Needs Phase 1 (0–18 months): Setup Pilot+Partnership

€1.5M–€3M (initial phase)

Team building (10–15 people)

Program Director (UN/EU coordination), GIS & Remote Sensing Lead, Hydrologist, Startup/Innovation Manager, Partnerships & Policy Lead

Possible revenue streams:

- Government contracts (water management, land monitoring)
- EU funding programs (Horizon Europe, LIFE)
- Paid training & certification programs
- SaaS/data access for agritech startups
- Consulting for sustainable agriculture transition

Alignment

EU Green Deal, CAP, [UNCCD](#), Hungary report, SDG

Szilvia Szilagyi Geographer and agri-tech entrepreneur specializing in GIS, remote sensing, and sustainable rural development, with experience bridging science, agriculture, and technology.

[wspace36](#)