



Emerging Article 6 Markets

Successful Examples of International Cooperation, Project Implementation, and Bilateral Agreements between Buyers and Sellers

7th November 2023

Article 6: Paris Agreement Carbon Market Mechanisms



Countries can voluntarily cooperate to achieve their NDCs in whatever way they wish. Article 6 of the PA provides for different options of cooperation:

6.2

Article 6.2 Cooperative Approaches – decentralized approach with basic guidance from the Parties (CMA), “an accounting mechanism”, type of cooperation not defined

6.4

Article 6.4 The New Mechanism – centralized approach similar to the Clean Development Mechanism, baseline-and-crediting mechanism. Subject to UNFCCC governance

6.8

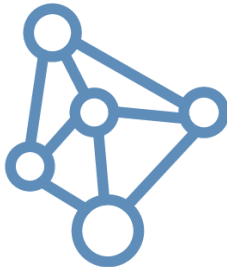
Article 6.8 Non-Market Approaches – promoting mitigation and adaptation cooperation that does not involve the transfer of mitigation outcomes

UNDP's response 1: Article 6 Readiness Support



Regulatory & Institutional Readiness Support

- Development of Art6 Regulatory and Institutional Framework
- Capacity building (self-paced courses, guidance manuals, technical trainings)
- Ad-hoc project approval support for eligible countries (with bilateral agreements in place)
- Dissemination & scoping of private sector opportunities for Art6.2



Digital Infrastructure:

- Carbon Cooperation platform for ITMO process flow
- National registries built open source as Digital Public Good
- WebApps and Video Monitoring of projects generating ITMOs

Platform for

VOLUNTARY BILATERAL COOPERATION

Modular approach scalable: every time new country added:

New modular configuration, ITMO flows are build with a configuration for every country:

- consultations
- prototyping
- Configuration with UI (no new implementation needed)

Code
Layer
(source
code)

Configurati
on Layer
(Country
Settings
Section)

User Layer
(Project
Section)

New Country



Case Study: Ghana



Nationally determined contribution policy actions	Climate Objective	Socio-economic Outcomes	Jobs Prospects (No)	F (U
Manage climate-induced and gender-related health risks.	Adaptation	Social Inclusion/Early Warning and disaster risk management	130	11
City-wide resilient infrastructure planning.	Adaptation	Resilience Building	1,025	82
Integrated water resources management.	Adaptation	Resilience Building/Social Inclusion	20	10
Enhance climate services for efficient weather information management.	Adaptation	Early Warning and disaster risk management	50	10
Early warning and disaster risk management.	Adaptation	Early Warning and disaster risk management	40	15
Build resilience and promote livelihood opportunities for the youth and women in climate-vulnerable Agriculture landscapes and food systems.	Adaptation	Food and Landscape Restoration/Building Resilience	210,000	1,



Ghana

Updated Nationally Determined Contribution under the Paris Agreement (2020 - 2030)



Ghana & Switzerland: Article 6.2 Bilateral Agreement



Read more [here](#)

Project Example 1: Tackling Waste Management



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03
03

State of the Art Technology



Role of Carbon Finance



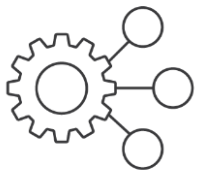
Click [here](#) to read the UNFCCC Article 6 decisions.



Roles and Responsibilities



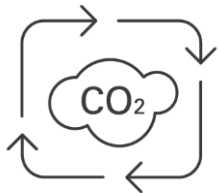
Federal Office of the Environment, Switzerland
Pays ex-post for third party verified ITMOs



United Nations Development Programme
▪ Provides development services to IRECOP.



IRECOP
Invests, manages, operates sorting and composting facilities.

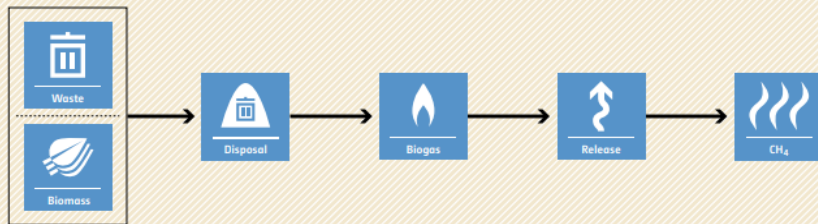


EPA
Leads the MRV of the ITMOs programme
Reports mitigation outcomes to MESTI and transfer ITMOs to Switzerland



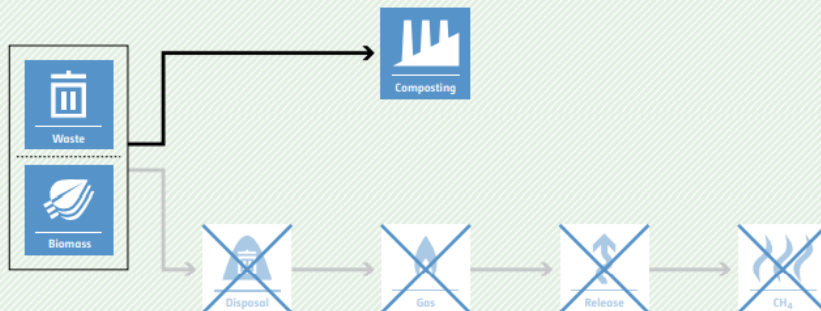
MESTI
Authorisation of mitigation activity

Baseline Determination and Project Scenario



BASELINE SCENARIO

Biomass and other organic matter (including manure where applicable) are left to decay and methane is emitted into the atmosphere.



PROJECT SCENARIO

Methane emissions are avoided through composting.

Promoting Sustainable Development



INTEGRATED SOLUTIONS STORIES KNOWLEDGE BANK COVID-19 PRACTITIONERS' NETWORK

CLIMATE ACTION IMPACT TOOL

Assessing SDG impacts of climate project and programmes



The Climate Action Impact Tool is an online application for development practitioners and the private sector that assesses impacts of mitigation and adaptation interventions across the SDGs, through collection and measurement of both quantitative and qualitative data. The tool facilitates effective verification, monitoring and reporting of SDG impacts and helps the private sector make well-informed decisions about investments in sustainable development projects.

Learn more

AUTHORS



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THEMES:

INTEGRATION TOOLS

Project Example 2: Application of AWD



Read more
Registered
[here.](#)

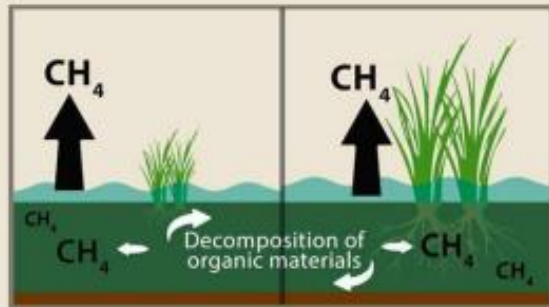
**Promotion of Climate Smart Agriculture Practices for
Sustainable Rice Cultivation in Ghana (2022 – 2030)**

Case Study Ghana: How does AWD reduce emissions?

HOW DOES **AWD** REDUCE GHG EMISSIONS?

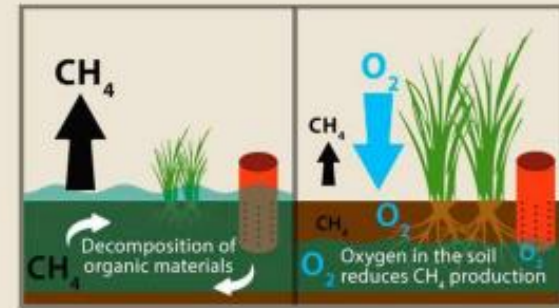
Allowing the field to drain permits aeration of the soil and halts the production of CH_4 , thus reducing the total quantity of CH_4 released during the growing season.

Continuous Flooding



Anaerobic decomposition in the soil generates CH_4 .

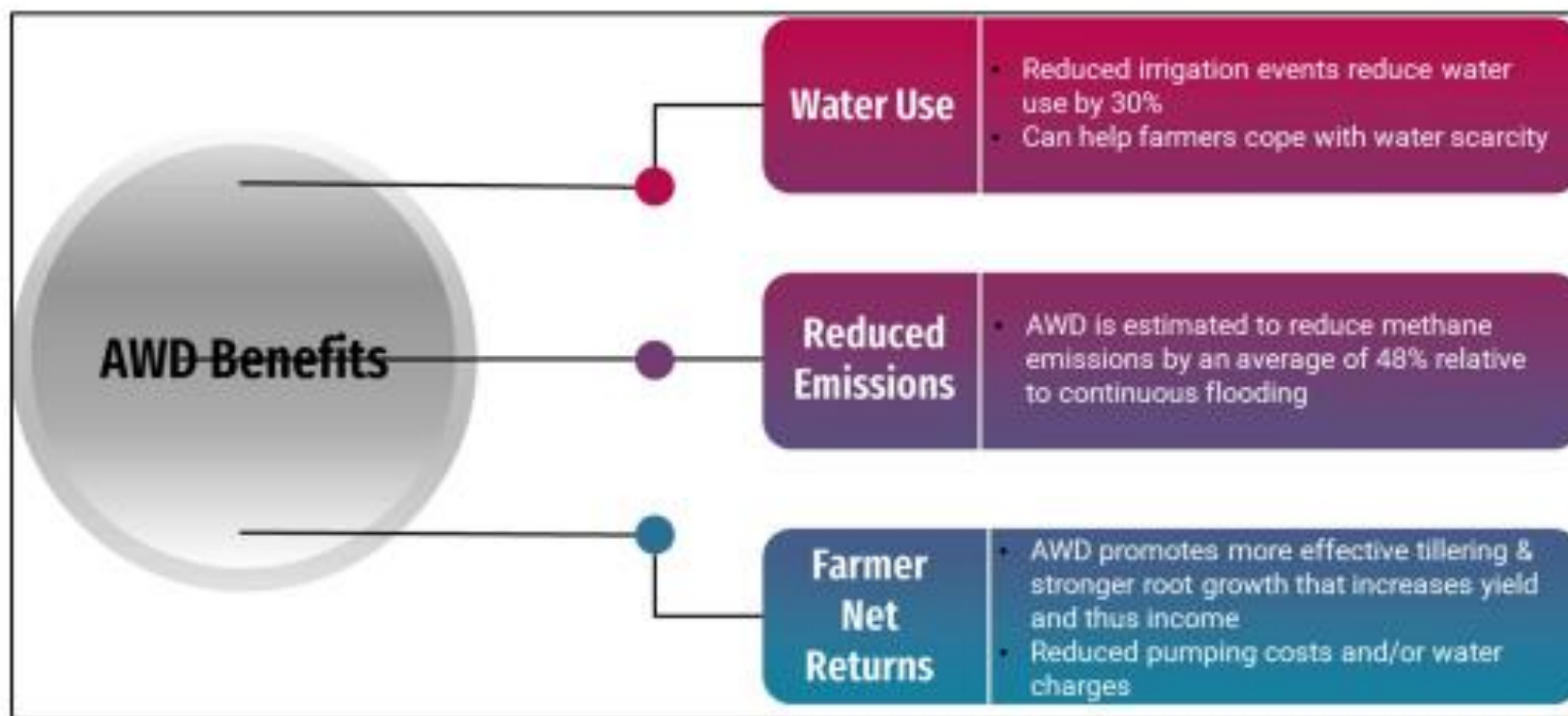
AWD



Influx of O_2 into the soil suppresses CH_4 production.

Case Study Ghana: Benefits of AWD

Benefits of AWD



Case Study Ghana: Monitoring WebApp



GLOBAL



Voluntary Bilateral Cooperation - Article 6

[< Back to Archive](#)

Total area practicing AWD (hectares)

Choose a log type and fill the information inside fields. You can add more log types.

Log type <small>*required</small>	Monitoring date	Description	Amount (kg)
 Crop protection ▼  image.jpg ×	02/08/22 	Long description of the crop protection in a very detailed way	12 

Log type <small>*required</small>	Monitoring date	Water level (PVC)
 Irrigation data ▼	02/08/22 	<input type="text"/>

ADD LOG TYPE +

SUBMIT DATA

Case Study Ghana: Onboarding and training of farmers





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Learn more about the
carboncooperation platform [here](#)