

OCTOBER

4 - 5  
2022

CAIRO

Workshop

**GREENTECH  
IN EGYPT**

**PROGRAM**

# Contents

<b>Context</b>	<b>3 - 4</b>
<b>Schedule - Oct 4-5</b>	<b>5 - 6</b>
<b>Partners</b>	<b>7</b>
<b>Startups</b>	<b>8 - 11</b>
<b>Coachs</b>	<b>12</b>
<b>Useful informations</b>	<b>13</b>

# Greentech in Egypt D4D Workshop

## Leveraging tech & AI for resilient agriculture and sustainable, smart cities

The "Greentech in Egypt D4D Workshop" seeks to empower Egypt's green technology industry, and to encourage the development of AI applications that are valuable for resilient agriculture and sustainable, smart cities. To do so, it aims to share experiences, skills, and expertise between actors of the Egyptian and European digital ecosystems.

Expertise France is implementing the workshop in the framework of the AU-EU Digital for Development (D4D) Hub, a project that supports African institutions to lay grounds for an inclusive and sustainable digital transformation. It will be held in the wake of COP27, jointly coordinated by the Egyptian Ministries of Environment, International Cooperation and ICT.

## Fostering open innovation

This workshop brings together a multi-stakeholder ecosystem of private and public players, eager to connect and work together around major issues, in line with the expectations of COP27 as well as with the ambitions of Egypt's AI Strategy.

# Themes & Challenges

## DAY 1 - 4 themes for a multi-stakeholder dialogue

### RESILIENT AGRICULTURE

- Adaptation to climate change
- Affordable, reliable, and sustainable energy for agriculture

### SUSTAINABLE & SMART CITIES

- Greener mobility
- Sustainable energy in cities

## DAY 2 - 4 challenges to co-create innovative solutions

### RESILIENT AGRICULTURE

- Improving the measurement and monitoring of energy consumptions
- Improving logistics management for agricultural products (storage, transportation, distribution)

### SUSTAINABLE & SMART CITIES

- Developing a greener public transport
- Developing reliable data and systems to help green city management



# Schedule

## Tuesday, October 4

**8h30 > 9h00**

*Welcome coffee*

**9h00 > 10:30**

Plenary session - institutional & inspirational talks - Day 1 briefing

**10:45 > 13:00**

Working sessions in small groups on the 4 themes - main issues, solutions and roadmaps

**13:00 > 14:00**

*Lunch - networking*

**14:00 > 16:30**

Sharing group work on each theme : challenging & consolidating roadmaps

**17:00 > 18:00**

Plenary session - Restitution of the roadmaps on the 4 themes  
Closing words

**18:00**

*Networking in a cocktail mood*



# Schedule

## Wednesday, October 5

**8h30 > 9h00**

*Welcome coffee*

**9h00 > 10:00**

Plenary session - institutional & inspirational talks - Day 2 briefing

**10:15 > 12:30**

Working sessions in groups on the 4 challenges : selecting issues, building startup/corpo teams

**12:30 > 14:00**

*Lunch - networking*

**14:00 > 16:30**

Working sessions in startup/corpo teams teams - developing solutions

**16:45 > 18:00**

Plenary session - Pitching solutions to the 4 challenges  
Closing words

# Partners

## Organized by



## In collaboration with



## Supported by



# Startups

## AGRO BAFITRA

Mali



**Agro BAFITRA is a mobile fruit and vegetable processing of agricultural products such as foodstuffs, cashew nut.**

They transform products after harvest, in order to avoid losses in regions that lack storage facilities, processing facilities and electricity. They use only solar energy and biomass.

## Agrology

Egypt



**The startup has built the first solution that integrates data into a single, grower-friendly platform. AGRICOLOGY was born as a unique farm management tool that displays and analyzes data from many different sources in a single, easy-to-use application.** It turns that data into valuable information, aiding growers and their trusted advisors in making sound, science-based decisions in near real-time.

## Carboni Bank

Egypt



**Carboni bank provides carbon banking platform for lending commercial bank to scale their green loans deployment for SMEs. The platform is able to measure and report on GHG inventories of SMEs with minimal user input.** It monetises offset carbon emissions, provides a carbon footprint for agricultural products and helps implement energy efficiency solutions in older buildings.



## **EWAATI**

Mali



**EWAATI is a startup specialized in Artificial Intelligence and Robotics technologies. They design and market a range of facial recognition and data analysis technologies for the public safety and security, seamless workforce management, finance, education, marketing and other sectors.** They've designed facial recognition and data analysis technology for city surveillance cameras with improved accuracy: no detail or threat will go unnoticed due to fatigue or human error.

## **finres**

France



**Finres has developed solutions based on AI and scientific innovations to support investors in agricultural resilience.**

It supports public and private investors in understanding and evaluating climate risks to define the most relevant investment strategies to reduce them.

## **FortyGuard**

UAE



**FortyGuard is on a mission to cool cities. Outdoor temperature experts, we utilize city data gathered by a proprietary analytics system which is focused on the granular human level experience globally. FortyGuard is a transactional middleware technology with real-time outdoor temperature data streaming, enabling data communication between different data providers and different channel distributors - geospatial mapping providers.**

FortyGuard will enable understanding heat patterns and identify heat islands/waves globally; helping decision makers decide on measured heat mitigation strategies, and enabling outdoor-efficiency.

## **Mashreq For Energy Systems**

Egypt



**Mashreq is developing renewable energy and remote operation solutions to Agriculture enterprises.**

They provide fast responses to solve on-ground problems for agriculture business, facilitate remote monitoring for deployed systems and help to save any losses depending on human beings.

## OZ-TECH

Egypt



**OZ-TECH is specialized in smart agriculture systems to have a sustained and easy agriculture which will serve the sustainable development goals, and allows the farmers to increase their productivity and efficiency.**

They are building robots for agricultural purposes like planting, harvesting, weeding, and monitoring. They are looking forward to spread awareness among the general population about robots and smart systems, and how this will help stakeholders.

## ReNile

Egypt



**ReNile is a leading environmental solution and agritech company, providing end-to-end solutions for smart farming using the internet of things and water quality management.**

Our monitoring systems provide cutting-edge real-time online analytics that helps enhance the production efficiency and reduce consumption of our customer farms. ReNile provides a full solution from monitoring farms, alerting in emergencies, controlling, and providing analytics of the best practice model for farming through the online platform.

## Seabot

Tunisia



**Seabot is an underwater robotics startup that provides underwater robots and measurement systems for research, oceanography and industrial application.**

We help companies to better understand the ocean and help them in their daily decision making process through valuable data such as pH, O<sub>2</sub>, CO<sub>2</sub> and temperature.

## Shader platform

Egypt



**Shader Platform offers reliable, digital financing and marketing solutions as well as supply chains between farms and merchants and enabling them to move from the type to the market.**

It develops a digital platform that brings together all beneficiaries and stakeholders and provides digital marketing and financing solutions for farms.

## Toumai

France /  
Morocco



**Toumai is Africa's first data analytics platform for ESG monitoring, performance and impact reporting. It's designed to support financial analysts, infrastructure project managers and decision makers in charge of aligning sustainability, impact and performance. Specialized in natural language processing (NLP) algorithms, a key issue on AI roadmap,** the startup extracts and analyzes millions of written & voice data in rare languages or dialects to provide opinion, sentiment & ESG topic trends or controversy risks and principal adverse impacts on sustainability-related features. Our tool offers quality data in any local dialect for better impact measurement on communities.

## Vision Computing & Systems

Egypt



**Vision Computing & Systems aims to provide top notch solutions and consultations based on research and innovation in the fields of Computer Vision, Machine Learning, Cyber Security and Embedded Systems.**

With a staff of about 20 experts and developers, it develops IoT devices that utilize machine learning and acoustic signal to detect remotely agricultural risks & infections, by sending instantaneous alerts with all data to a cloud and a mobile App.

## Zr3i

Egypt



**Zr3i provides a digital agriculture platform as a service offering precision farming solutions.** It applies precision agriculture to help farmers increase productivity and reduce costs in a climate change compliant way.

# Coachs

## COACHS SUPPORT TEAM



**Helene Allain**



**Abir Abdellatif**



**Aline Morestin**

## COACHS DREAM TEAM



**Nadin Soliman**



**Amira Hossam**



**Ahmed Bastawy**



**Amira Moussa**



**Rasha Salem**



**Hashem Taher**



**Ahmed Korayem**



**Mariam Elsadek**



**Ayah Othman**

# Useful Informations

## The Venue



**Sultana Malak's Palace**  
**38QH+GP2, Nazih Khalifa, El-Montaza,**  
**Heliopolis, Cairo Governorate 4460254, Égypte**

## Contact

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**THANK YOU**

