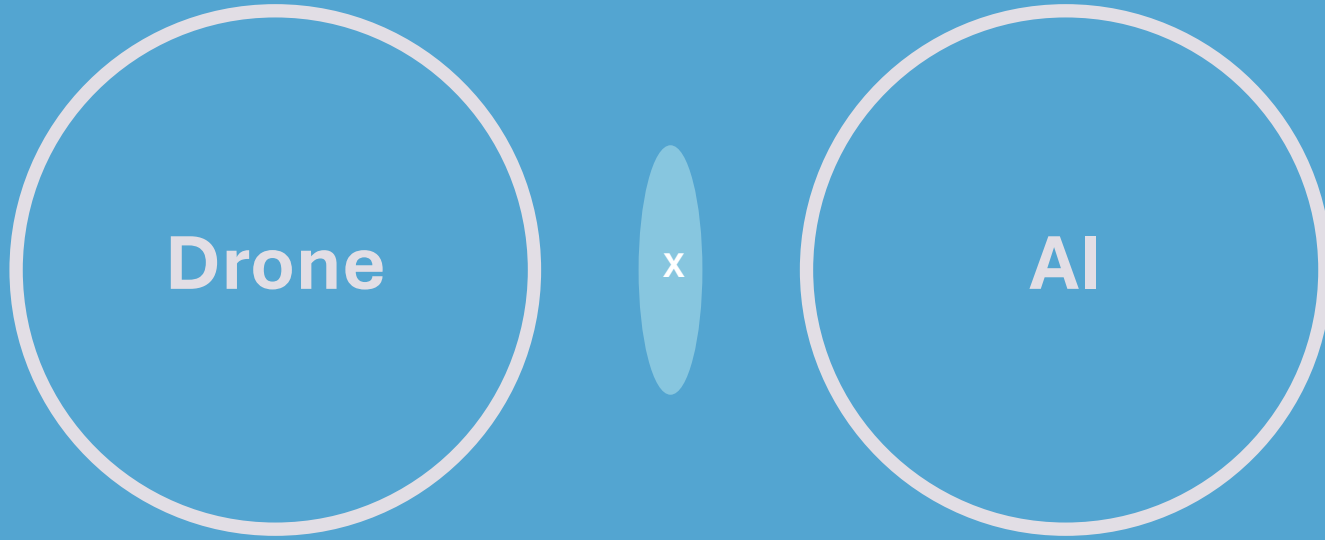


# SORA Technology

~Innovation from Sky~



 J-Startup



# Data driven Surveillance systems in Health and Agriculture

Digitalized , Structured,  
Automated

Data Analysis, risk  
classification and  
prediction/preparedness

Cost-effective, Efficient

Our flagship project



# Malaria Elimination

By adopting Drone and AI for larval source  
Management

# Malaria

**ECONOMIC LOSS**  
**\$16 billion annually.**

**247+ million cases annually.**

**Over 619,000 deaths each year,**

**with 90% in Sub-Saharan Africa.**



New Value against Malaria by SORA :

# Drone x AI for Larval Source Management (LSM)

**70%**

Larvicide Reduced



**Cost-effective,  
Eco-friendly**  
LSM is achieved

# 40%

Reduction in  
overall cost

~~Larvicide~~

~~Labour~~

~~PPE~~

~~Cost/person at risk~~



# SORA Surveillance

## AI-powered Multi-Layer Platform



1. Historical climate/ Environment data/Agriculture field data



2. Satellite imagery analysis



3. Drone imagery analysis

# THE NEW AGRI-TECH

Climate shocks are  
**threatening food security** in Africa.



**SURVEYING &  
RISK ANALYSIS**



**SPRAYING**



**YIELD  
ANALYSIS**



# AI Drone Spraying

A white quadcopter drone is shown from a top-down perspective, flying over a green agricultural field. It is spraying a fine mist of white liquid from two nozzles mounted on its arms. The background is slightly blurred, showing more of the field and some distant structures.

**4× total efficiency**

**-60% chemical efficiency**

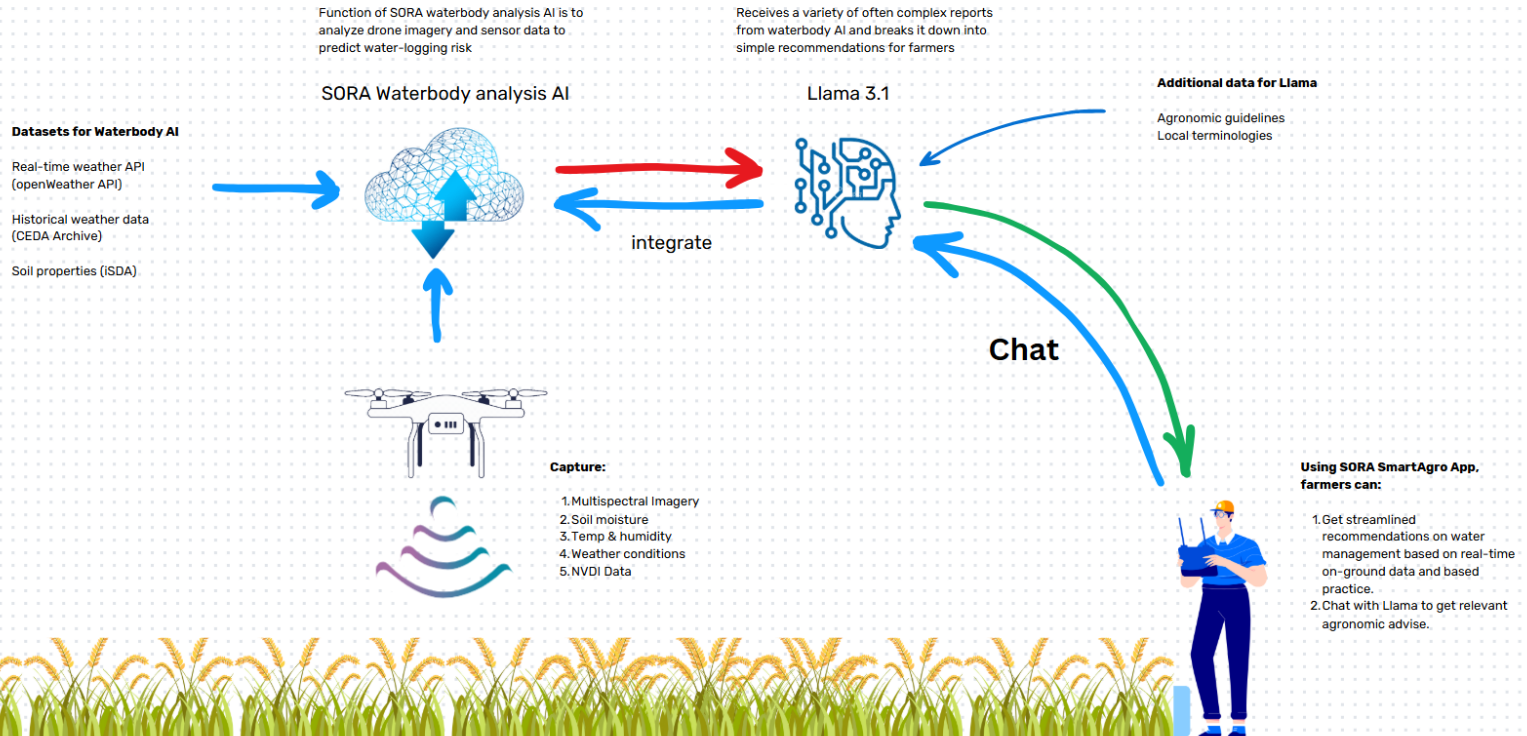
**10× labor efficiency**



Drone & AI for Feed Salone; Dynamic Duo in Boosting  
Yields/Forestation while Mitigating Waterlogging Risks

**-40% Harvest**  
**-6t/ha CO<sub>2</sub>**

# Automated Water management and carbon credit generation using drones and AI





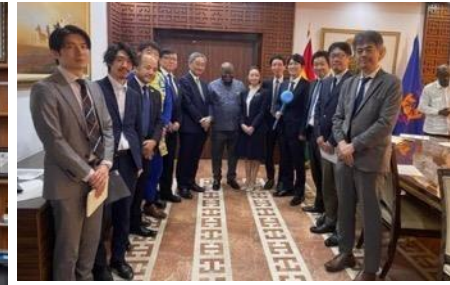
## Case in Sierra Leone

- Under MoU with
  - Ministry of Health
  - Directorate of Science, Technology and Innovation
  - Njala University.
- First country where our solution has been demonstrated and deployed, with financial supports from the Ministry of Economy, Trade and Industry of Japan
- Currently Under operational research in collaboration with Njala University



## Case in Ghana

- Under MoU with
  - Noguchi Memorial Research Institute
  - College of Basic and Applied Science, University of Ghana
  - Operational research with NMEP
  - Under Phase 1 project of **SORA LSM**, to evaluate the impacts on cost-effectiveness of larviciding
- Already received the supports from high-level stakeholders including President, Director General of GHS etc.





250M



7.6 mt



42 mt

16B \$

3.8B \$

2.1B \$

# Expansions:



**Sierra Leone**  
(w/ MOHs, DSTI &  
Njala University)



**Ghana**  
(w/ Noguchi  
Research Institute &  
University of Ghana)



**Benin**  
(w/ CREC)



**DR Congo**  
(w/ INRB)



**Senegal**  
(w/ Institut Pasteur  
de Dakar)

