





# Integrated Soil Salinity Management in RICE-based cropping systems in the delta of Senegal River Valley (ISSM-4-RICE) project









AfricaRice, MetaMeta

## Project objective

**ISSM-4-RICE** aims to raise awareness and strengthen capacity on cost-effective farm solutions for salinity, based on AfricaRice experience in effective soil salinity management





# **Project outcomes**

Strengthened capacity of farmers and extension officers, leading to reduced burden of salinity and increased value of land.

Co-created knowledge product on preventive, mitigative, and adaptive measures, and wide-spread dissemination during and after project

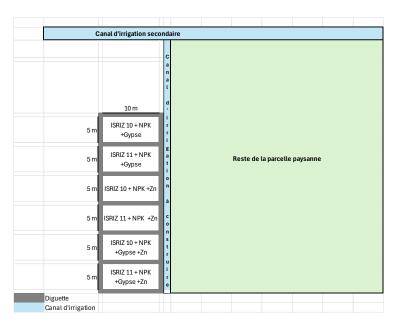
Strengthened cooperation between Dutch and Senegalese water and agrifood sectors and fertile ground for follow-up

### Work package 1 Demonstrations at Farmer Field Schools



#### Discussions in farmers field schools

- Farmer Field Schools established in 4 different villages
- Plots with highest salinity levels were selected for the demonstrations
- Salt-tolerant varieties & nutrients management (NPK / Zn / Gypsum)

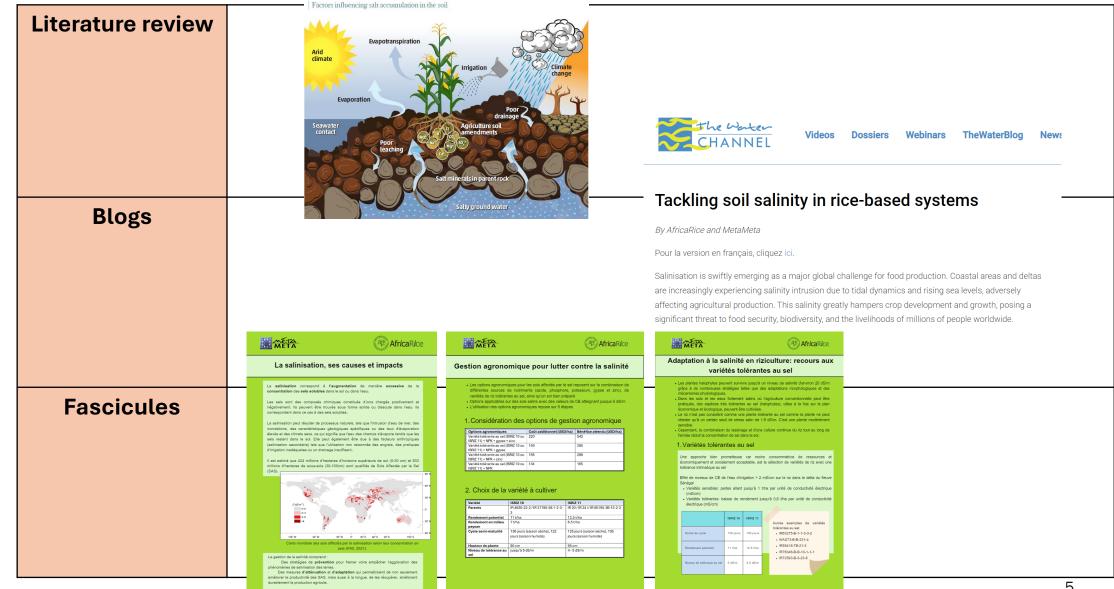


A field school layout

 Link between salinity and other field challenges:

Discussion on additional practices affecting yield (eg. drainage infrastructure, maintenance, weed management, birds and rodent pests,...).

## Work package 2 Knowledge co-creation



### Work package 3

### Capacity strengthening training sessions

#### Insights from participants:

- Emphasis on involvement of farmers and wider range of practices demonstration in Farmer Field Schools
- Needs identification: seeds availability, adequate drainage facilities and fertilizers subsidies, communication on practices
- **Limits identification**: infrastructure, land tenure and governance challenges
- Identification of **stakeholders** to work with for further outreach and collaboration: scientific research, technical operators (DRDR, SAED), farmers' organizations



# Way forward

### **Future perspectives:**

- Webinar: to be planned in January 2025
- Upscaling possibilities: further outreach with new stakeholders, links with identified farm challenges?
- Investigation for expansion of work done on salinity by looking at opportunities in the region

# Thank you!







