




E-SALINE: Empowering coastal farmers against salinity intrusion with digital solutions in Bangladesh

Overview

Main partner	<p>ASG-Germany e.V. is based in Germany, founded and led by professionals from Bangladeshi, Nepalese and Indian diasporas. With expertise in development cooperation, sustainability, and urban planning, it promotes human rights, climate resilience, and inclusive development. Through capacity building and advocacy, the organisation has a strong record of integrating gender equality, environmental sustainability, and community empowerment in Bangladesh.</p> 
Associate partner	<p>ANTAR aims to enhance the socio-economic well-being of disadvantaged rural communities with a focus on supporting rural farmers through climate-resilient agricultural practices, empowering women through capacity building initiatives, and protecting children by combating child labor, abuse, and trafficking through community-led efforts.</p> 
Budget	€ 57,430
Duration	12 months (September 2025 - August 2026)
Sustainable Development Goals	    

Project design

Context & needs	While the <u>Bangladesh Rice Research Institute (BRRI)</u> and the <u>Department of Agricultural Extension (DAE)</u> , actively promote climate resilient crop varieties, salinity intrusion remains a crucial vulnerability for the productivity and livelihoods of smallholder farmers in Bangladesh's coastal regions. This project aims to provide farmers with simple tools to measure soil salinity and a mobile app that suggests the best salt-tolerant crops. Through trainings, seed and fertilizer support—especially for women, the project empowers communities to boost yields, strengthen food security, and build resilience to climate change.
General objective	Enhance crop production, income, and well-being of at least 300 smallholder farmers, especially women, in the salinity-affected coastal regions of Satkhira District of Bangladesh by promoting the adoption of salinity-resilient farming practices and strengthening gender-inclusive farm decision-making.
Specific objectives	<ul style="list-style-type: none"> Increasing access of at least 300 smallholder farmers (at least 50% female), to real-time salinity level data for their farm lands through a digital platform for deciding salinity-resilient crop varieties. Enhancing the capacities of 300 farmers (at least 50% female) to adopt salinity-resilient and gender-inclusive farming practices in five villages in Satkhira District.
Target groups	<ul style="list-style-type: none"> 300 individual farmers and five community mobilisers (50% female and at least 5% Persons with Disabilities from five villages in Satkhira District). 150 smallholder farm households from five villages.

Programme of activities

