

Rice Farming Amidst Climate Change

A case of Inclusive Rice Value Chain Project in Tanzania

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About Norges Vel

Norges Vel, a non-profit membership organization founded in 1809

To strengthen both national and international food security by promoting a sustainable and inclusive food system.

Focus on Agriculture and Aquaculture

Operating in Tanzania since 2008



Rice in Tanzania

- Rice has a significant role in food security and food self-sufficiency
- Rice is the second most important food grain crop
- It directly influences the livelihoods of over two million people
- Tanzania: 2nd largest producer in ESA
- 90% grow by smallholder farmers
- 91% of rice farming is rain-fed and climate-sensitive
- Tanzania consumes only 50% of its rice—strong export potential



Climate change and rice farming

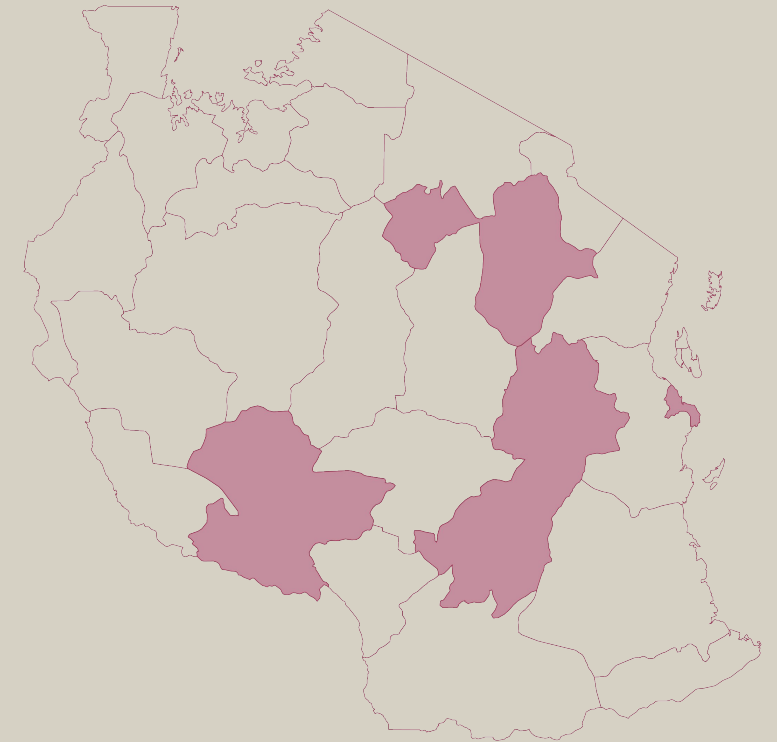
- Rice both contributes to and is affected by climate change
- Climate variability reduce rice production
- Rice uses more water than most crops
- It also emits more methane than other crops
- With change of climate, food security is at risk

The Inclusive Rice Value Chain

Implemented by Norges Vel Tanzania in collaboration with local partners, in 3 critical rice producing districts highly vulnerable to climate variability.

Inclusive approach focusing on women, youth, farmer-based organisations

Focus: Climate Resilience, water-smart practices, sustainable productivity and market access.



Best practices from IRVC project

- The use of climate smart seeds
- Farm levelling - improving farm infrastructures
- Practising water use efficiency techniques (AWD)
- Conservation farming practices
- Utilising ground water through solar pumps



Best practices from IRVC project

- Soil testing services
- Climate finance access (green funds, crop insurance)
- Climate information services
- Use of agri-tech

Bridging Infrastructure Innovations and Accessibility

- Local irrigation scheme improvements
- Machinery for farm levelling
- Water harvesting through water reservoirs
- Solar-powered pumps for groundwater use
- R&D of climate smart seeds
- R&D on use of rice husks
- Scale up on green climate fund
- Strengthen extension services

Thank you

