



FEED THE FUTURE

The U.S. Government's Global Hunger & Food Security Initiative



INNOVATION LAB for SMALL SCALE IRRIGATION





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INNOVATION THROUGH PARTNERSHIPS

Timeline: 2013 - 2023

Led by Borlaug Institute, Texas A&M

Partners

- 7 universities (US & project countries)
- CGIAR and affiliated partners
- Private companies
- Fodder/dairy producer co-ops

Countries: Ghana, Mali, West Africa Region, Ethiopia, Tanzania

Related projects: Nepal, Rwanda





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SMALL-SCALE
DRIVEN BY MARKET, CLIMATE
LABOR INTENSIVE



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SMALL-SCALE IRRIGATION
MECHANIZED, PLANNED



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**SMALL-SCALE IRRIGATION
SUPPORTS NUTRITION
& ECONOMIC GROWTH**



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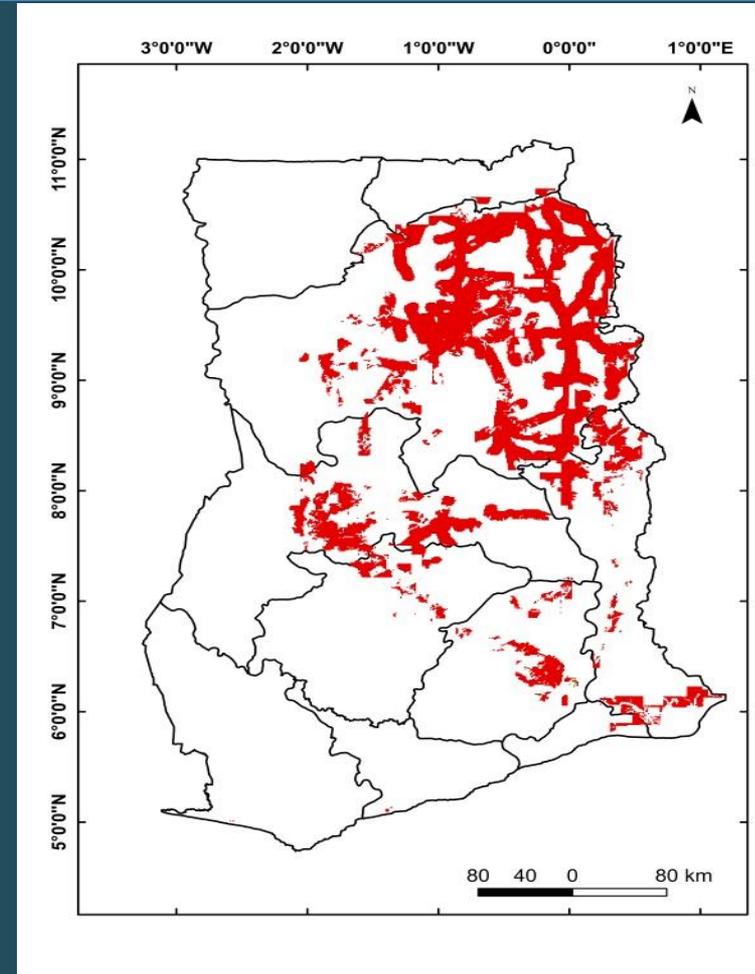


**SUPPORT SUSTAINABLE
EXPANSION OF
SMALL-SCALE IRRIGATION**



ENABLE CLIMATE SMART SOLUTIONS

- Apply models for planning by agencies, companies and development organizations
- Create interactive suitability maps (economic and biophysical suitability) for Sub-Saharan Africa



Suitability classes

 Very highly suitable

 Highly suitable

 Moderately suitable

 Unsuitable due to constraints



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**SCALE BY BUILDING
MARKET RESILIENCE**



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LOOKING FORWARD

Aim to increase preparedness for adapting to climate change, managing expansion of irrigation, mitigating impacts on water resources and soils

