

Solar Powered Irrigation: ACHIEVING INCLUSIVE ACCESS FOR WOMEN

FEED THE FUTURE INNOVATION LAB FOR SMALL SCALE IRRIGATION Nicole Lefore, Texas A & M University • International Water Management Institute (IWMI): Thai Thi Minh, Likimyelesh Nigussie, Abena Ofosu

















Meet the Assime family in Paga, Ghana



















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

Solar powered irrigation offers high potential for farmers in Africa Finance is central to realizing solarized irrigation as a solution, especially for women farmers.





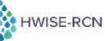


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WOMEN FACE MORE CONSTRAINTS **ACCESS SOLAR PUMPS**

Supply side:

- Neglected by suppliers & finance **Demand side:**
- Often more risk averse
- Lack complementary inputs
- Intra-household relations •



















MOMEN AS SOLAR PUMP MARKET ACTORS

- Participate in organizations, social networks
- Experience with savings and loans
- Financial literacy
- Diversified farm and non-farm income
 - Pumps used for multiple purposes
 - Access to credit for complementary inputs
- Access to production and market information
 - Access to markets for irrigated produce

















PRIVATE SECTOR, MARKET SYSTEM LESSONS ON INCLUSIVITY

- Gender inclusive sales team
- Gender responsive credit worthiness tools
- Credit committees, customer service trained to support women's applications
- Credit terms inclusive, flexible
- Inputs bundled under the same finance product
- Finance tools adapted for women's groups
- Partnerships enable agronomic and marketing support
- Engage companies, value chains, public sector and donors through public platforms





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