

# Key results of PASIDP I impact assessment<sup>1</sup>

Participatory Small Irrigation Development Programme I

## Ethiopia

### Project objectives

To improve food security and increase agricultural revenue in Ethiopia

### Inputs and activities

1. Establishment and strengthening of water user associations
2. Construction of small-scale irrigation schemes
3. Farmer capacity building

 **311,000**  
Total beneficiaries

 **62,000**  
Beneficiary households

 **Irrigation schemes constructed**  
**121**

 **Hectares of irrigated land covered**  
**12,000**

2008-2015

Dry season

**+22%**

**+213%**

**+175%**



Productive assets



Crop sales revenue



Market participation  
for crops

Short rainy season

**+15%**

**+77%**

**+66%**

## Dry season

## Short rainy season

+176%



Household investment  
in **seeds**

+36%

+196%



Household investment  
in **fertilizer**

+57%

+51%



Grain **crop yields**

+47%

+57%



**Value** of grain crop

+134%

## Lessons learned



### Transformative impacts of irrigation

Irrigation is transformative, making farmers resilient to climatic shocks. It acts as a risk-management strategy by increasing well-being and building resilience.



### Marketing and market access

To maximize high-value crop production, irrigation needs to be bundled with marketing and market access activities.



### Data for measuring resilience

Resilience-building projects require long-term surveys of a network of sentinel sites combined with annual and more occasional surveys.



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