Micro-Irrigation Experience in Ethiopia
Presented on NASA-GHA Meeting
August 12, 2014
Addis Ababa, Ethiopia
About iDE

- International NGO
- Founded in 1981 by Dr. Paul Polak
- Pioneered a **market-based** approach to smallholder farmers’ *Wealth Creation*
- Comprises an IDE umbrella organization (Secretariat) and 2 NIOs (IDE-Canada & IDE-UK)
- Works in Asia, Africa & Latin America
iDE Ethiopia

- Started in 2007
- Working in 4 regions with multiple projects
- Has 4 core thematic focus areas

**SAFE:** Sustainability Agriculture & Food Security Enhancement (5 woredas)

**RPI:** Rural Prosperity Initiatives (9 woredas)

**WASH:**
Water Supply & SanMark (15 woredas)

**IRP:** Innovation for Rural Prosperity (4 woredas)

**Integrated Ag. Value Chain** (3 woredas)

Technology Development Center
Challenges to the poor rural people

- Reliance on subsistence farming & lack of alternative livelihood opportunities
- Lack of access to agricultural technologies and inputs = Low productivity
- Rainfall variability & recurrent drought (poor farmers the first victims of climate change)
- Lack of access to finance
- Rapid population growth and pressure on scarce resources (land, water, forest)
Addressing the challenges through water-crop-livestock value chain integration

- **Other Family needs**
- **Water Access**
- **Market Linkage**
- **Manure**
- **Productivity improvement**
- **Speciality crops**
- **Livestock: Dairy cows**
- **Improved feed**
- **Fodder production**

**Milk & milk products**
iDE’s Low-cost Water access & control technologies
Groundwater assessment & mapping – 1st step

Manual well Drilling
Rope & Washer Pump
Canal & Drip Irrigation
Rainwater Harvesting: in situ conservation
SUPPLY CHAIN DEVELOPMENT

- MANUFACTURERS TRAINING
- WHOLESALE / WAREHOUSE
- RETAIL
- INSTALLERS
- ACCESS TO FINANCE

- DEMONSTRATIONS
- MEDIA
- CMF
MARKET ACCESS: HIGH VALUE CROP PRODUCTION
Market access – facilitating the Linkages

Marketing groups & cooperatives

Collection centers /retail shops (pictures)

Direct linkages with commercial enterprises & institutions (traders, wholesalers, processors, hotels, universities, hospitals and supermarkets)

Market information

Contract farming

(Constraints: information, transport, mistrust between producers & traders/business people, not honoring contracts.....)

Creates Income & Livelihood Opportunities for Poor Rural Households
Results & Impacts

• **Scale**: over 75,000 rural households (525,000 people)
• **Income**: $37.5m
• **Cost-effectiveness**: 5.00
Results and Impacts cont’d (case studies)

IDE Creates Income Opportunities for Poor Rural Households

Net income: $427

Net Income: $594

Net Income: $477

Net Income: $1,088
THANK YOU!!!

Creates Income & Livelihood Opportunities for Poor Rural Households