



*iDE creates income and livelihood opportunities for poor rural households*  
Since 1992, iDE has substantially increased the incomes of more than 600,000 poor rural households in Nepal, reaching 3.36 million people.

iDE is a family of organizations, including iDE USA, UK, and Canada, dedicated to market development to increase smallholder incomes. iDE takes a long-term country program approach and is working in Asia, Africa, and Latin America. iDE's PRISM (Prosperity Realized through Irrigation and Smallholder Markets) methodology harnesses the comparative advantages of smallholders to facilitate market access, provide embedded services, and build profitable enterprises that market agricultural inputs and equipment. iDE works with governments in public-private partnerships that create an enabling environment for agricultural extension, research, and infrastructure projects.

### Technologies

In Nepal and around the world, iDE has taken a leading role in a micro irrigation revolution. Over the last 25 years, iDE has developed low-cost, appropriate technologies for smallholders including drip systems, micro sprinklers, treadle (foot) pumps, and water storage / distribution systems. iDE invests in design and initial promotion of these technologies, which private companies are unable to develop because they cannot establish enforceable patent rights. Once popularized, these products are sustainably manufactured and marketed by the local private sector.

iDE has taken a leading role in innovating low-cost piped water irrigation systems, including multiple-use water systems (MUS) that provide water for irrigation and domestic use. The iDE MUS program is globally recognized by IWMI (International Water Management Institute). iDE has also developed appropriate agricultural equipment for essential oil distillation and coffee processing. It has also developed IPM packages that use safe bio products to reduce chemical use on major horticultural crops.



**Smallholder using an iDE-designed drip system.**

### Economic Impact

In Nepal, there are tremendous opportunities for poor farmers to rapidly increase their incomes by producing high-value commodities for domestic and international markets. Through iDE's efforts, more than 600,000 households have been reached and benefited with more than 290,000 micro irrigation systems, IPM technologies and improved agriculture management practices. The households have been able to increase their annual income by over \$200. iDE has also developed jobs in manufacturing and retail for inputs, service provision, and agricultural processing and marketing. iDE has documented measurable off-farm economic benefits in local communities from farmers with whom it has worked.

iDE is making strong contributions in high-value crop subsectors, including vegetables, coffee, tea, essential oils, non-timber forest products (NTFPs), spices/herbs, livestock, and fisheries. iDE has also facilitated construction of more than 472 MUS, bringing a regular supply of piped water to more than 77,500 people. iDE has developed 350 rural collection centers in public-private partnerships, linking over 67,781 households to markets and increased agricultural income opportunities. iDE is promoting improved food security and productivity through irrigation systems, seed multiplication, and access to improved inputs and knowledge through development of local service providers.

### Developing Opportunities and Economic Governance for Rural Stability

iDE contributes to rural stability by:

- **Rapidly increasing incomes** through high-value commodities for which smallholders have a comparative advantage. Families with good incomes remain whole and contribute to stability.
- **Improving local economic governance** by establishing sustainable rural enterprises and markets.
- **Empowering women** through increased income and participation in local economic institutions in decision making roles. More than 60% of program training done by iDE is for women and disadvantaged ethnic and caste groups.
- **Improving health and nutrition** through innovative training programs and cultivation of nutritious foods.
- **Building government capacity to support the private sector** and facilitating public-private partnerships to effectively utilize public resources to develop market opportunities.
- **Building resilience to climate change** by helping farmers improve water efficiency and planning, developing feedback mechanisms to address impacts, and developing IPM products and strategies for disease/pest control.

**iDE Nepal email:** [nepal@ideglobal.org](mailto:nepal@ideglobal.org) **web:** [www.idenepal.org](http://www.idenepal.org) OR [www.ideglobal.org](http://www.ideglobal.org) **Phone:** (+997) 15520943 (Photos by Bimala R. Colavito, iDE Volunteer)

## Developing Smallholder Commercial Agriculture

iDE Nepal has taken a leading role in establishing and scaling smallholder commercial pockets in public-private partnerships. The approach includes developing sufficient volume to establish private service providers within rural areas and to develop community-managed collection centers that enable market access. Collection centers are managed by marketing and planning committees elected by members. Entrepreneurs are then selected to run the collection centers. Over time, many of these centers choose to become cooperative businesses. The centers aggregate produce and provide the following key services:

- **Developing linkages with government, projects, and the private sector** to advocate for local development, including investments for training, credit, and infrastructure (agricultural roads, collection centers, and water resource development). They mobilize local resources and act as a channel for governmental bodies to allocate services.
- **Explaining market concepts** to rural populations, including the reasons for price differences between distant markets and how to meet market standards.
- **Developing cropping plans** with local traders to take advantage of off-season high-value opportunities, and accessing crop-appropriate inputs, credit, and extension services for member farmers.



**Pioneered by iDE in Nepal, MUS like this one in Kavre supply water to over 50,000 people for agriculture and domestic use**

### Selected current and recent projects implemented by iDE (\* indicates iDE is prime or leading in Nepal)

Project	Years	Donor	Description
ANUKULAN*	2015 – 2018	DFID	The project will help half a million poor and vulnerable people in rural Nepal build their resilience to climate change impacts like floods, landslides and drought through scale-up and integration of proven approaches. In practice this means supporting smallholder farmers to earn an extra GBP 140 per year by taking advantage of small farm economic opportunities and investments in climate – smart technologies.
FTF-India: Expanding Nepal's Business Access to Improved Technologies for Agriculture (ENBAITA)	2015 - 2018	USAID India	The project will contribute to reducing poverty and hunger for targeted smallholders in Nepal through expanded access to agricultural inputs from India, building and/or strengthen private sector supply chains for climate-smart agricultural technologies and inputs and sustainably increasing agricultural incomes of smallholder households (50,000).
SanMark Scale Up II - UNICEF*	2016 – 2017	UNICEF	This Scale Up Phase of the Sanitation Marketing Project has targeted to reach 60,000 households with improved toilet piloted and developed by iDE through pilot phase of the project funded by UNICEF. The project applied human centered design (HCD) approach to develop an improved latrine product and business model. Additionally, the project has also applied private sector approach for sustainability of the intervention.
Asian Vegetable and Mango Integrated Pest Management-Innovation Lab (AVMIPM-IL)	2015 – 2019	USAID	The project is being implemented in Banke, Surkhet. It aims to undertake adaptive research to tailor existing and new vegetable and mango IPM practices and packages to local conditions and work with public and private sector partners to diffuse IPM practices and packages to farmers.
Initiative for Climate Change Adaptation*	2012 – 2017	USAID	Improving climate change planning and developing resilient income streams for 20,000 households. Developing adaptation and watershed management through joint planning of community forestry, agriculture, and government.
Initiative for Agriculture Productivity and Commercialization (IAPAC)	2014- 2017	EU	The project aims at strengthening the participation of key stakeholders of civil society in decision-making and service delivery towards improved food security and nutrition through increased agricultural development in Banke, Dang and Rolpa districts which suffer from high prevalence of under-nutrition and food insecurity
IPM – IL Associate	2013 – 2016	USAID	A global program, led by Virginia Tech; to develop and disseminate IPM packages for high value vegetable crops.
Agriculture and Nutrition Extension Project*	2012 – 2015	EU	Increasing income, productivity, and nutrition of 20,000 households in Nepal and 40,000 households in Bangladesh. Working with international centers CIMMYT, IRRI, and WF to commercialize new technologies.
Market Access and Water Technology for Women (MAWTW)*	2013 – 2016	USAID	The project aims to promote women's leadership in agriculture to enhance income, use of labor saving water technologies, empowerment to influence policies and improvement in health and nutrition. The project will increase the incomes of 10,000 households directly and through private service providers.
IPM IL*	2009 - 2014	USAID	A global program, led by Virginia Tech; to develop and disseminate IPM packages for major crops, supporting the USAID Feed the Future Initiative.

**Major International Partners:** CIMMYT, WorldFish, IRRI, IWMI, ADRA, WWF, Virginia Tech, UC Davis, Save the Children and Middlesex University,

**Nepal Partners:** SAPPROS, CEAPRED, AEC, NTAG and district based NGOs; Nepal Ministries of Agriculture and Local Development; Departments of Agriculture, Irrigation, Livestock; NARC and other agencies.

**iDE is implementing projects for a number of donors, including USAID, the European Union, UKAID, and UNICEF**

