

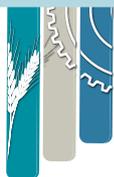
RURAL INFRASTRUCTURE AND
AGRO-INDUSTRIES DIVISION

Country case studies

Asia

Annexes





**Hebei LuanPing HuaDu
Food Co., Ltd Partnership**

Country	China – Luanping County
PPP typology	Value chain/subsector development
Subsector and commodity	Poultry
Partnership duration	2007–2010
Overall objective	Build a modern chicken feeding including a packinghouse, a commodity chicken hatch plant, a provender mill, a condiment factory, cooked food factory and other relevant buildings
Investments	Total: > US\$89 million (Public: 40%; Private: 60%)
Public partners	Luanping County Government; State Council Leading Group Office of Poverty Alleviation and Development; China Development Bank Role: Fund water supply, electricity supply and field engineering; Fund 50% loan Interest for cattle-raisers and 50% premium for each new henhouse; Establish a labor union; Establish Luanping Agricultural Comprehensive Development Co., Ltd
Private partners	Huadu group Role: Set up Hebei LuanPing HuaDu food Co.
Intermediaries partners	N/A
Beneficiaries	Farmers
Main driver of the PPP	Government of China
Activities	Set up the Hebei LuanPing HuaDu Food Co., Ltd; Provision of loans to farmers
Results to date/Impacts	<ul style="list-style-type: none"> • Set up Hebei LuanPing HuaDu Food Co., Ltd with a production capacity of 200 000 tonnes/year of feeds, which needs 132 000 tonnes of corns and that can drive 400 000 acres planting area and increase farmers' income about US\$190 000; • Provided US\$15.5 million of loans to producers without any guarantee; • Reached an annual sales income of US\$206.7 million; • Employment generation (potential jobs: 4 500 direct and 20 000 indirect).



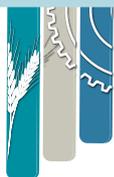
Beijing International Flower Logistic Port Project

Country	China – Beijing, Shunyi District
PPP typology	Market infrastructure
Subsector and commodity	Horticulture – Flowers
Partnership duration	2008–2010
Overall objective	Build the international flower logistic port and the 7 th Flower Expo
Investments	Total: > US\$174.9 million (Public: 6%; Private: 74%)
Public partners	Beijing Shunyi District Government Role: Land-use rights
Private partners	Beijing Shunxin Agricultural Co. Ltd Role: Build the International Flower Logistics Port; Establish a company for the Expo operation
Intermediaries partners	N/A
Beneficiaries	Flowers producers and traders
Main driver of the PPP	Government of China
Activities	Construction of the international flower logistic port; Establishment of the Flower Expo
Results to date/Impacts	<ul style="list-style-type: none">• Annual business income US\$42 million, of which US\$22 net profits;• 15.2% investment rate of return.



Zimbabwe Demonstration Center Project

Country	China (Implemented in Zimbabwe)
PPP typology	Innovation and technology transfer
Subsector and commodity	Agricultural machinery
Partnership duration	2009–2012
Overall objective	Complete Chinese government aid mission, promote Zimbabwe agricultural development, build a platform for Chinese enterprises development in Africa, and understand Zimbabwe agricultural resources and production situation
Investments	Total: > US\$7 million (Public: 89%; Private: 11%)
Public partners	Government of China (Ministry of Agriculture, Ministry of Commerce) Role: Fund infrastructure; Management and supervision; Monitoring & Evaluation Government of Zimbabwe Role: Land-use rights
Private partners	Menoble Co., Ltd Role: Build an agricultural technology demonstration center; Operation and management; Set up experiment plot, demonstrative field and farmland
Intermediaries partners	N/A
Beneficiaries	Middle and small scale Zimbabwean farmers
Main driver of the PPP	Ministry of Commerce
Activities	Construction of a demonstration center; Set up of experimental plot, demonstrative field and farmland
Results to date/Impacts	<ul style="list-style-type: none">• Set up an agricultural technological demonstration center;• 200 farmers trained;• Employment generation (created 20 new jobs).



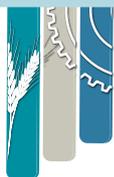
Hainan Province Nanfan Base Project

Country	China – Sanya State, Hainan Province
PPP typology	Innovation and technology transfer
Subsector and commodity	Rice and maize seed
Partnership duration	2004–2009
Overall objective	Research hybrid rice and corn varieties, increase grain yield and the comprehensive production capacity
Investments	Total: > US\$23 million (Public: 67%; Private: 33%)
Public partners	Ministry of Agriculture Role: Build national Nanfan base management service center
Private partners	Beijing Gold Agriculture Seed Industry Science and Technology Company Limited; Chinese Academy of Agricultural Sciences Role: Develop new rice and hybrid corn varieties; Technical assistance
Intermediaries partners	N/A
Beneficiaries	Farmers
Main driver of the PPP	Government of China
Activities	Establishment of the national Nanfan base; Development of new rice and corn varieties
Results to date/Impacts	<ul style="list-style-type: none">• Introduced new seeds (more than 10);• Employment generation.



Cross-Regional Operation Information Service Center Project

Country	China – Weifang County, Shandong Province
PPP typology	Business development/advisory services
Subsector and commodity	Agricultural market information
Partnership duration	2006–ongoing
Overall objective	Provide an all-round information service for agriculture machinery operators
Investments	Total: > US\$3 million (Public: 33%; Private: 67%)
Public partners	Ministry of Agriculture Role: Guide the whole project construction; Provide nationwide farm machinery operation information; Build the cross-Regional operation information command center and assign professional workers to collect agriculture information
Private partners	Fonton Lovol Role: Responsible for the daily management and maintenance of the information system
Intermediaries partners	N/A
Beneficiaries	Farmers
Main driver of the PPP	Government of China
Activities	Establishment of a national trans-regional work information service center; Support of high quality agricultural information
Results to date/Impacts	<ul style="list-style-type: none">• Answered 820 000 calls and messages from the customers benefiting more than 670 000 users;• Sent more than 86 million trans-regional work information.



Oil Palm Development Plasma Program

Country	Indonesia – South Sumatra Provinces
PPP typology	Value chain/subsector development
Subsector and commodity	Oil palm
Partnership duration	2002–2006
Overall objective	Enhance the prosperity of farmers by improving their knowledge in the oil palm cultivation and management as well as empowering the Village Unit Cooperative (KUD)'s functions and roles
Investments	Total: US\$16.7 million (Public: 37%; Private: 63%)
Public partners	<p>Local Estate Crops Agency Role: Process land's permit licensed and certification; Supervise plantation development</p> <p>South Sumatra Province District Government; National Land Agency Role: Land-use rights</p> <p>Bank BNI; Bank Mandiri Role: Fund under a subsidized loan scheme; Monitor & Evaluate implementation of plantation development; Disseminate the credit program to farmers; Provide banking services to farmers</p>
Private partners	<p>PT. PP London Sumatra Indonesia Tbk (Lonsum) Role: Guarantee fund; Technical services; Training</p> <p>Cooperatives/KUDs Role: Conduct palm estate development; Training; Transfer of palm cultivating technologies to farmers; Buy farmers' harvesting products; Assist farmers</p> <p>Farmers Role: Palm trees maintenance; Sell harvesting products to the nucleus company; Conduct harvesting according to instructions and technical guidance from the nucleus company</p>
Intermediaries partners	N/A
Beneficiaries	2 500 Farmers
Main driver of the PPP	Local Village Agency, Local Estate Crops Agency, PT. PP London Sumatra Indonesia Tbk
Activities	Development and management of Oil Palm Estate; Provision of raw materials to the private company
Results to date/Impacts	<ul style="list-style-type: none"> • Improved farmers standards of living; • Farmers' children could afford to continue in higher education; • Small villages became growing economic centers.



Rice Breeder Seeds Partnership Program

Country	Indonesia – Karawang Regency, West Java Province
PPP typology	Innovation and technology transfer
Subsector and commodity	Rice seed
Partnership duration	1997/98–ongoing
Overall objective	Produce certified rice seeds and increase farmers' income and welfare by improving seeds productivity and quality in cultivating and harvesting processes
Investments	National Programme: US\$662 000; Case study: US\$26 000
Public partners	PT Pertani (State Owned Enterprise) Role: Inputs supply; Technical assistance; Buy farmers' product Seed Control and Certification Services Agency (SCCSA) Role: Provide Monitoring & Evaluation of seeds quality and release certification labels for succeeded seeds' production
Private partners	Farmers group Role: Cultivate rice seeds following Pertani's recommendations
Intermediaries partners	N/A
Beneficiaries	450 Breeder farmers
Main driver of the PPP	PT Pertani, SCCSA, Breeder farmers
Activities	Provision of certified rice seeds to farmers
Results to date/Impacts	<ul style="list-style-type: none">• Improved standards of living (number of houses, motorcycles and cars owned by farmers increased);• Employment generation.

FAO. 2013. *Agribusiness public-private partnerships – A country report of Indonesia. Country case studies – Asia*. Rome



Jatropha curcass for Bioenergy Project

Country	Indonesia – District Gunung Kidul, Yogyakarta Special Region Province
PPP typology	Value chain/subsector development
Subsector and commodity	Jatropha
Partnership duration	2007–ongoing
Overall objective	Fullfill the energy source for PT Jatropha Green Energy (PURA Group) as well as promote the application of renewable energy for industrial purposes, utilize marginal land in critical and unproductive areas and increase farmers' income and welfare in the rural areas
Investments	Public: in-kind; Private: US\$4.4 million
Public partners	Gunung Kidul District Government Role: Support the private company collaboration with other public institutions and facilitate legal aspects; Provide nursery land and agricultural officers Forest & Plantation Local Agency Role: Agricultural extension services; Facilitate the private company working with the community
Private partners	PT Jatropha Green Energy (PURA Group) Role: Provide Jathropa trees; Secure market of Jathropa seeds; Training Farmers group Role: Upkeep, cultivate and secure Jatropha trees production; Apply Good Agricultural Practices principles; Sell harvesting products to the private company
Intermediaries partners	N/A
Beneficiaries	5 000 Farmers
Main driver of the PPP	PURA Group
Activities	Promotion and development of "Jatropha" trees in estate/plantation model; Introduction of a new plant variety to increase yield productivity; Provision of raw materials to the private company
Results to date/Impacts	<ul style="list-style-type: none"> • Increased planted area (from 200 ha to 5 000 ha); • Increased jatropha harvesting product price (from Rp 600/kg to Rp 2 000/kg); • Improved farmers' incomes.



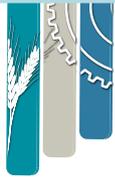
**Sweet Pepper Pilot Supply Chain
Project (HORTIN Project)**

Country	Indonesia – Cisarua District, West Java Province
PPP typology	Value chain/subsector development
Subsector and commodity	Vegetable/ Sweet pepper
Partnership duration	2003–2010
Overall objective	Attain competitive, sustainable and efficient sweet pepper supply chains and contribute to farmers' economic development
Investments	Public: 780 000 US\$/year (Donor contribution); Private: in-kind
Public partners	Indonesian Vegetable Research Institute (IVEGRI); Wageningen University and Research (WUR-GH) Role: Give advice; Training; Introduce a new greenhouse model, fertigation technique and seedling management system Indonesian Agency for Agricultural Research and Development; Ministry of Agriculture, Nature and Food Quality of Netherlands Role: Finance
Private partners	PT Rabobank Role: Educate and train farmers in good business management practices; Provide loans Farmers Role: Provide land; Apply Good Agricultural Practices principles; Sell harvesting products to the private company PT Alamanda Sejati Utama Role: Loans guarantor; Buy farmers' products; Provide market information
Intermediaries partners	N/A
Beneficiaries	50 Farmers
Main driver of the PPP	Government of Indonesia, Farmers' groups
Activities	Promotion and application of innovative and strategic research; Development of sustainable sweet pepper production using new technologies
Results to date/Impacts	<ul style="list-style-type: none">• Increased planted area (It had risen to 35 hectares and it had become the largest sweet pepper production centre in Indonesia)• Increased revenue from Rp1.5 million (US\$165) for 150kg per week to Rp30 million (US\$3 300) per week.• 20 new greenhouses established;• Increased production (from 150 kg/week to 3 tonnes/week);• Employment generation (more than 150 people employed);• Decreased rate of criminal occurrences.



LM3 Programme

Country	Indonesia – Bandung District, West Java Province
PPP typology	Value chain/subsector development
Subsector and commodity	Vegetables
Partnership duration	2006–2009
Overall objective	Improve community's ethics, alleviate poverty rate and improve economic welfares through developing education and knowledge and skills activities as well as strengthening community's capital investment especially in the agribusiness sector
Investments	Total: US\$167 000 (Public: 100%)
Public partners	Ministry of Agriculture; Local government agencies Role: Provide grants; Give advice; Provide agricultural extension services; Monitoring & Evaluation
Private partners	Farmers group Role: Produce applying recommendations; Sell products to private companies Carrefour; Matahari; Yogya Role: Farmers' products buyers
Intermediaries partners	N/A
Beneficiaries	Rural communities (280 students; 200 farmers)
Main driver of the PPP	Farmers group
Activities	Promotion of local agribusiness potential resources; Support agribusiness investment; Promotion of capacity building and human resources capability and competency
Results to date/Impacts	<ul style="list-style-type: none">• Increased planted area (from 8 ha to 240 ha);• 1 school created;• 1 cooperative established;• Increased production (from around 100 kg to 2 tonnes of vegetables for distribution per week);• Increased students' participation (from 60 to 280).



**GlobalGAP Certification-Citrus Value
Chain Development Project**

Country	Pakistan
PPP typology	Value chain/subsector development
Subsector and commodity	Fruit/Citrus
Partnership duration	2007–2010
Overall objective	Build capacities within the citrus value chain for ensuring compliance to quality standards in the export market
Investments	Total: US\$520 000 (Public: 50%; Private 50%)
Public partners	Agribusiness Support Fund (ASF) Role: Matching grants; Technical assistance; Project management; Training; Exhibitions and exposure visits organization
Private partners	Produce Marketing Organizations (PMOs) Role: Finance; Implementation
Intermediaries partners	N/A
Beneficiaries	324 Farmers, Traders
Main driver of the PPP	Fruit and vegetables exporters' associations, Ministry of Food and Agriculture, Pakistan Horticultural Development and Export Company, University of Agriculture Faisalabad, Certification bodies
Activities	Provision of training and extension services to producers and traders
Results to date/Impacts	<ul style="list-style-type: none">• Increased citrus exports (from 150 000 tonnes to 360 000 tonnes);• US\$390 000 in terms of incremental annual export earnings in the first year;• Improved incomes (annual net-income attributable to GlobalGAP adoption approximately US\$233);• Reduced produce risk of rejection in the international market;• Increased trade in citrus.



Mango Supply Chain Management Partnership

Country	Pakistan – Punjab and Sindh Provinces
PPP typology	Value chain/subsector development
Subsector and commodity	Fruit/Mango
Partnership duration	2006–2010
Overall objective	Enhance the potential of mango supply chain and improve competitiveness and profitability
Investments	Public: US\$1.2 million (Donor contribution: 78%; National contribution: 22%); Private: in-kind
Public partners	Pakistan Horticultural Development Company (PHDEC); Agriculture University Faisalabad (AUF); University of Queensland (UQ); Department of Employment, Economic Development and Innovation (DEEDI) Role: Activities implementation and coordination; Enabling environment; Provision of human resources; Research & Development; Extension services Department of Agriculture & Forestry, Western Australia (DAFWA); Australian Centre for International Agricultural Research (ACIAR) Role: Technical assistance; Monitoring & Evaluation; Research & Development
Private partners	Growers, Traders & Service Providers Role: Implementation
Intermediaries partners	N/A
Beneficiaries	Mango growers
Main driver of the PPP	PHDEC
Activities	Provision of technical expertise and assistance to growers and traders
Results to date/Impacts	<ul style="list-style-type: none">• About 1 500 people trained in better postharvest practices;• Provided international training opportunities to eight researchers;• Established a laboratory at the University of Agriculture Faisalabad;• 59% increase in product knowledge;• 57% increase in market knowledge;• 53% improvement in product presentation;• 21% increase in product price.



Idara-e-Kissan Project

Country	Pakistan
PPP typology	Value chain/subsector development
Subsector and commodity	Dairy
Partnership duration	1987–1992
Overall objective	Develop a commercially viable dairy collection and marketing chain
Investments	Public: US\$2 million; Private: in-kind
Public partners	Government of Pakistan Role: Facilities; Research & Development dissemination German Technical Cooperation (GTZ) Role: Finance; Technical assistance
Private partners	Dairy cooperatives Role: Training; Technical assistance; Facilities
Intermediaries partners	N/A
Beneficiaries	Small-holders from dairy cooperative
Main driver of the PPP	Pattoki Livestock Production Project (PLPP); Private sector
Activities	Provision of technology and services
Results to date/Impacts	<ul style="list-style-type: none">• 29% higher productivity;• 14% higher prices;• 9% more wet animals;• Introduced innovations (artificial insemination, vaccination, balanced rationing, etc.);• Mitigated risks, such as losing value of fresh milk, exploitation of small dairy farmers by middlemen and post production losses, disease and pest attacks on livestock.



**Farmer Enterprise Groups' (FEGs)
Formation Project**

Country	Pakistan
PPP typology	Business development/advisory services
Subsector and commodity	Enterprise development
Partnership duration	2006–2007
Overall objective	Enhance competitiveness of agribusiness sector through the provision of agribusiness support services and contribute to the economic growth and employment generation in Pakistan
Investments	Total: US\$4.8 million
Public partners	Agribusiness Support Fund (ASF) Role: Governance and initiative; Monitoring & Evaluation; Technical assistance; Fund FEG formation (100%) and matching grants (50%) for enterprise development
Private partners	Farmer enterprise groups (FEGs) Role: Operational responsibility; Matching contribution and in kind contribution
Intermediaries partners	Non Governmental Organizations and Rural Support Programmes (NGOs/RSPs) Role: Technical and managerial training; Extension services; Matching contribution and in kind contribution
Beneficiaries	20 000 Farmers
Main driver of the PPP	ASF
Activities	Provision of training and loans to farmers
Results to date/Impacts	<ul style="list-style-type: none">• 2 000 FEGs formed;• 1 121 micro agribusiness enterprises created;• Increased incomes;• Employment generation (26 168 direct and 9 935 indirect jobs created);• 165% increase in the average starting real profit;• US\$673 more profit compared with control group.

FAO. 2013. *Agribusiness public-private partnerships – A country report of Pakistan. Country case studies – Asia*. Rome



Drought Tolerant Low Delta Crops Project

Country	Pakistan – Barani
PPP typology	Innovation and technology transfer
Subsector and commodity	Wheat seeds
Partnership duration	2010–ongoing
Overall objective	Ensure availability of certified seed to farmers on reasonable and affordable price and increase the yield of wheat crop in Barani area
Investments	Total: US\$14 000 (Public: 48%; Private: 52%)
Public partners	Barani Area Research Institute (BARI) Role: Project management; Input supply (basic seeds); Supervision of process of seed production/sale; Monitoring & Evaluation Federal Seed Certification & Registration Department (FSC&RD) Role: Ensure crop purity Sustainable Land Management Project (SLMP) Role: Finance
Private partners	Seed Company Role: Fund seed distribution and marketing
Intermediaries partners	N/A
Beneficiaries	Farmers
Main driver of the PPP	SLMP, BARI
Activities	Provision of seed of major crop
Results to date/Impacts	<ul style="list-style-type: none">90 000 kg certified seed of rainfed wheat variety produced, with an expected income of US\$22 588

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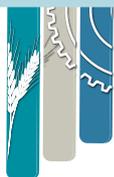
**Sentrong Pamilihan ng Produktong
Agrikultura ng Quezon (SPPAQ) Project**

Country	Philippines – San Antonio, Lucena, Sariaya, Dolores, Candelaria and Tiaong
PPP typology	Market infrastructure
Subsector and commodity	Fruit and vegetable
Partnership duration	2006–N/A
Overall objective	Provide a trading station (bagsakan center), marketing assistance, vegetable transport, agricultural growing scheme and give education and training
Investments	N/A
Public partners	<p>Sentrong Pamilihan ng Produktong Agrikultura ng Quezon (SPPAQ) Role: Provides loan in the form of inputs, without interest; Training</p> <p>Department of Agriculture Role: Production training; Technical assistance</p> <p>Department of Trade and Industry Role: Marketing and entrepreneurship</p> <p>Department of Environment and Natural Resources Role: Ecology and environmental training</p> <p>Department of Science and Technology Role: Provide processing technology</p> <p>Local Government Units Role: Peace and order</p> <p>Office of the Representatives Irvin Alcala (Quezon 2nd District) Role: Financial support; Training</p>
Private partners	<p>Allied Botanical Crops and EastWest and other seed companies Role: Provide seedlings</p>
Intermediaries partners	N/A
Beneficiaries	Farmers
Main driver of the PPP	Department of Agriculture
Activities	Development of a vegetable tramline system to ship upland produce to the lowlands; Provision of training
Results to date/Impacts	<ul style="list-style-type: none"> • Increased in farmers' income; • Increased volume traded; • Employment generation (From 4 to 24); • Improved farmers' standards of living (Farmers able to renovate/acquire houses and vehicles, and send children to school) • Decreased transportation costs (P150/horse for every 2 sacks to P15 for every 20 sacks by tram).



Panabo City Mariculture Park Project

Country	Philippines – Panabo City, Davao del Norte
PPP typology	Market infrastructure
Subsector and commodity	Aquaculture
Partnership duration	2006–ongoing
Overall objective	Promote mariculture as a major livelihood of coastal fisherfolk, provide appropriate infrastructure, equipment and favourable investment climate for efficient mariculture operation, contribute to food security and job employment program
Investments	Total: > US\$10 million (Public: 20%; Private: 80%)
Public partners	Bureau of Fisheries and Aquatic Resources (BFAR) Role: Finance; Monitoring & Evaluation; Project coordination LGU Panabo City Social Welfare and development Role: Fund the mooring system, physical markers, information, education and communication (IEC) materials; Organize fisherfolk coops; Provide manpower to oversee the Mariculture Park
Private partners	Fisherfolk Associations; Cooperatives and other groups; Investors Role: Upkeep and maintenance of facility
Intermediaries partners	N/A
Beneficiaries	Fisherfolks
Main driver of the PPP	BFAR
Activities	Livelihood development (marine fish cage, seaweed, aqua ranching, fish processing, etc.); Provision of infrastructure facilities (fish landing center, fisherfolk livelihood center)
Results to date/Impacts	<ul style="list-style-type: none">• Improved performance in terms of profitability and market share;• Increased production (from 2.9 tonnes to 1 300 tonnes);• Employment generation (514 jobs generated).



Philippine Mango Industry Foundation Incorporated (PMIFI) Project

Country	Philippines
PPP typology	Value chain/subsector development
Subsector and commodity	Fruit/Mango
Partnership duration	2001–ongoing
Overall objective	Assist members and provide a venue to discuss and address the mango industry concerns and issues
Investments	N/A
Public partners	Mango Action Team (NMAT) Role: Financial support for meetings and activities; Transportation and food supplies; Pay salaries
Private partners	Mango farmers, traders and processors Role: Attend meetings, seminars and mango congresses
Intermediaries partners	N/A
Beneficiaries	Mango farmers, traders and processors
Main driver of the PPP	Department of Agriculture
Activities	Creation of the Philippine Mango Industry Foundation; Preparation of meeting, seminars and congresses
Results to date/Impacts	<ul style="list-style-type: none">• Participation rose to 24 regional/provincial mango industry/growers and cooperatives, to 10 corporate individual members and to 2 148 farmers



**Mother Earth Products, Inc. (MEPI)
Project**

Country	Philippines – Maunawa St. Bo. Duquit, Mabalacat, Pampanga
PPP typology	Market infrastructure
Subsector and commodity	Livestock
Partnership duration	2001–N/A
Overall objective	Establish a slaughterhouse and educate consumers on the advantage of quality standards
Investments	Total: > US\$600 000 (Public: 100%; Private in kind)
Public partners	Department of Agriculture Role: Provide loans, training and seminars Mother Earth Products, Inc. (MEPI) Role: Slaughtering; Training center Technical Education and Skills Development Authority (TESDA) Role: Training Angel Famous Gourmet Food Corporation Role: Meat processing and marketing
Private partners	Livestock raisers and Industry associations Role: Maintain the facility and offer toll processing Foreign partner from Australia Role: Provide training for slaughtering
Intermediaries partners	N/A
Beneficiaries	People with an age ranging from 30-35 years old, with experience on the job which completed at least third year high school
Main driver of the PPP	Department of Agriculture, TESDA
Activities	Establishment of a slaughterhouse; Establishment of a training center; Provision of training
Results to date/Impacts	<ul style="list-style-type: none">• 2 600 graduates from MEPI center;• Employment generation (100% job placement for MEPI graduates).



Nueva Viscaya Agricultural Terminal (NVAT) Project

Country	Philippines – Almaguer North, Bambang, Nueva Vizcaya, North Luzon
PPP typology	Market infrastructure
Subsector and commodity	Fruit and vegetables logistics
Partnership duration	2004–N/A
Overall objective	Assist producers from Nueva Viscaya and adjoining provinces and improve their productivity and profitability by offering a reasonably priced facility where they can engage in trading, processing, storing and marketing of agricultural and non agricultural products and services
Investments	Total: > US\$1 million (Public: 40%; Private: 60%)
Public partners	Provincial Local Government Unit (PLGU) Role: Finance Land Bank of the Philippines Role: Provision of credit facility to Farmers' Cooperatives Provincial Government of Nueva Viscaya; Municipal Government of Nueva Viscaya Role: Provision of support facility, licensing and permits Department of Agriculture Role: Training, empowerment and strengthening of farmers group
Private partners	Cooperatives and Farmers' Associations Role: Nueva Viscaya Agricultural Terminal (NVAT) Shareholders; Provide facilities for a fee; Trading training Banco Lagawa; Private individuals Role: Finance
Intermediaries partners	N/A
Beneficiaries	37 farmers associations, 46 cooperatives and 479 individuals
Main driver of the PPP	Provincial Government of Nueva Viscaya
Activities	Provision of agricultural terminal equipped with an administrative building, covered stalls, bay area, loading and unloading building, wash and sort area, guardhouse, function room, water system, waste disposal system and parking area
Results to date/Impacts	<ul style="list-style-type: none">• Increased production (from 0 to 400 tonnes daily);• Increased NVAT staff (from 4 to 12);• Increased NVAT staff salaries (from P3 000/month to P7 500/month).



Uniseeds Partnership

Country	Thailand - Lampang Province
PPP typology	Innovation and technology transfer
Subsector and commodity	Okra seeds
Partnership duration	2004–2007
Overall objective	Improve virus resistance of hybrid okra seed and increase the yield and quality of okra
Investments	Total: US\$114 212 (Public: 15%; Private 85%)
Public partners	National Center for Genetic Engineering and Biotechnology (BIOTEC) Role: Fund laboratory services; Advice regarding agricultural technology; Provide laboratory examinations; Research
Private partners	Uniseeds Company Limited Role: Fund staff time for yield trials; Provide relevant information; Conduct breeding trials; Send samples to BIOTEC researchers; Distribute okra seeds to markets
Intermediaries partners	N/A
Beneficiaries	Okra farmers
Main driver of the PPP	Uniseeds Company Limited
Activities	Development of okra breed for fresh and processing for export; Promotion of industrial applications of biotechnology
Results to date/Impacts	<ul style="list-style-type: none">• Six disease resistant okra seeds varieties developed (2 of which commercialized);• Increased yields (+ 56%/ha);• Increased farmers' profits (+ US\$2 545/ha);• Increased environmental benefits (through the reduction in chemical use).

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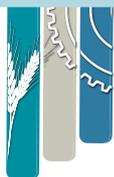
B. Inter Partnership

Country	Thailand
PPP typology	Innovation and technology transfer
Subsector and commodity	Poultry
Partnership duration	2005–2009
Overall objective	Improve productivity, save energy costs and increase chicken growers' incomes
Investments	Total: US\$72 000 (Public: 40%; Private 60%)
Public partners	<p>Industrial Technology Assistance Program (iTAP) Role: Reimburse 100% of expert fees; Fund 50% of Research & Development costs; Project management; Recruiter of technical experts; Negotiate consulting contracts; Monitoring & Evaluation; Technical assistance; Provide expertise in operations and technology development</p> <p>King Mongkut's University Role: Develop and install locally made air-control fans</p>
Private partners	<p>B. International & Technology Co. Ltd. Role: Fund 50% of Research & Development costs, commercialization, participation; Upkeep and maintain technology; Provide information on the problem and technological requirements; Support experts with research and development; Provide production information and staff</p>
Intermediaries partners	N/A
Beneficiaries	Small and medium-scale poultry farmers
Main driver of the PPP	iTAP
Activities	Development of locally made air-control fans in feeding houses; Promotion of energy saving program
Results to date/Impacts	<ul style="list-style-type: none"> • Increased farmers' incomes; • Higher poultry revenues through increased bird growth rates and reduced disease risk; • Reduced energy costs (PowerTECH fans requires 23% less energy than competing products, US\$667/year saved); • Increased likelihood of adoption of the technology due to lower upfront investment compared to imported models (50% less than imported alternatives); • Employment generation; • Decreased imports.



Mitr Phol Project

Country	Thailand – Kanjanaburi province
PPP typology	Innovation and technology transfer
Subsector and commodity	Sugarcane
Partnership duration	2005–2008
Overall objective	Promote the use of biotechnology in sugarcane industry
Investments	Total: US\$100 000 (Public: 100% development phase; Private: 100% commercialization)
Public partners	National Center for Genetic Engineering and Biotechnology (BIOTEC) Role: Fund the first phase; Provide loans for the 20% of the second phase costs; Technical support
Private partners	Mitr Phol Sugarcane Research Center Role: Fund second phase; Support to the other partners; Provide samples of cane with white leaf disease to BIOTEC; Perform field testing Innova Biotechnology Company Limited Role: Develop the test kits; Produce and distribute the test kits
Intermediaries partners	N/A
Beneficiaries	Sugarcane farmers
Main driver of the PPP	Mitr Phol Sugarcane Research Center
Activities	Creation and commercialization of a test kit to identify white leaf disease in sugarcane crops
Results to date/Impacts	<ul style="list-style-type: none">• Effective (90% accurate) white leaf disease test kits created;• Reduced losses;• Minimized spread of disease to healthy plants• Reduced risk of investing in sugarcane farming.



Biogas Project

Country	Thailand – Chiangmai Province
PPP typology	Innovation and technology transfer
Subsector and commodity	Poultry
Partnership duration	2008–2013
Overall objective	Promote biogas technology, utilize wastewater treatment and produce alternative energy from biogas
Investments	Total: US\$620 000 (Public: 30%; Private 70%)
Public partners	Energy Research and Development Institute (ERDI) Role: Fund technical expertise; Promote biogas technology; Recruit, motivate, and screen poultry slaughterhouses to join the project; Develop and design a standardized biogas system; Provide technical assistance; Design, advise, and inspect construction and system installation; Monitoring & Evaluation
Private partners	Betagro Land; GFPT Nichirei (Thailand); F&F; Bangkok Produce Role: Fund operational, management and participation costs; Select construction companies; Cooperate with ERDI inspections; Promote the use of biogas systems
Intermediaries partners	N/A
Beneficiaries	Slaughterhouses owners
Main driver of the PPP	ERDI
Activities	Promotion, development and distribution of biogas technology systems
Results to date/Impacts	<ul style="list-style-type: none"> • Introduced Biogas recapture and energy generation systems; • Saved 2.72 million litres/year of crude oil; • Saved 2.28 million kg/year of liquefied petroleum gas (LPG); • Reduced annual energy cost of approximately THB 13.46 million; • Reduced annual greenhouse gas emissions of approximately 41.6 million kg.

FAO. 2013. *Agribusiness public-private partnerships – A country report of Thailand. Country case studies – Asia*. Rome



Yield Trial Project

Country	Thailand – Nakornratchasrima Province
PPP typology	Innovation and technology transfer
Subsector and commodity	Maize seeds
Partnership duration	2010*
Overall objective	Conduct hybrid breeding and testing program and improve corn productivity and quality
Investments	Private: US\$10 000; Public: In-kind
Public partners	National Corn and Sorghum Research Center (NCSRC) Role: Trials coordination; Trial management guidelines; Technical evaluation; Provide two hybrid varieties; Collect and distribute un-named varieties; Evaluate performance and reports project result to partners at the end of project State universities Role: Provide field trial land and farm management on their plots
Private partners	Bangkok Seed Industry Co., Ltd.; Thai Plant Breeding Research and Development Co., Ltd.; Pacific Seed Co., Ltd.; Seed Asia Co., Ltd.; Syngenta Seeds Co., Ltd.; Monsanto Thailand Co., Ltd.; Northern Seeds Co., Ltd.; and Shriram Bioseed (Thailand) Co., Ltd. Role: Fund staff time, materials, operational management and participation costs; Provide seeds and yield to the NCSRC
Intermediaries partners	N/A
Beneficiaries	Hybrid corn seed breeders
Main driver of the PPP	NCSRC, Hybrid corn breeders
Activities	Development of corn breed; Promotion of agricultural knowledge
Results to date/Impacts	<ul style="list-style-type: none">• Introduced into the market new hybrid corns;• Increased farm yields and incomes (100% yield increase compared to national average).

FAO. 2013. *Agribusiness public-private partnerships – A country report of Thailand. Country case studies – Asia*. Rome

* This is an annual project carried out every year. The information here refers to 2010.