# Nepal and FAO Achievements and success stories



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#### Introduction

Nepal is a landlocked country covering an area of 147 181 square km and with a population estimated to have reached 27.5 million in 2010. With a per capita income of US\$480, Nepal is the 12<sup>th</sup> poorest country in the world. However, Nepal has made some progress in reducing poverty: in 1996 the poverty level, as defined by national standards, stood at 42 percent; in 2009, poverty was reduced to 25.4 percent.

However, disparity between rural and urban areas is still persistent with urban poverty standing at eight percent while rural poverty is 22 percent. In addition, the gap between rich and poor is high and increasing.

Nepal is committed to the achievement of Millennium Development Goals (MDGs) as reflected in its Three-Year Plan 2010/11-2012/13. Despite persistent deep structural disparities across ethnicities, social and economic backgrounds, geography and gender and other contextual difficulties, Nepal is on track to achieve most of its MDG targets, with a few exceptions which are more complex such as the one related to environmental sustainability.

Based on the 2008 Global Hunger Index, Nepal ranks 57<sup>th</sup> out of 88 developing countries and countries in transition. With a Global Hunger Index (GHI) of 20.6, the severity of hunger in Nepal is alarming. However, the prevalence of hunger varies substantially across sub-regions with the highest prevalence in the Far- and Mid-Western hill and mountain regions. However, there is not a single sub-region in Nepal that falls within the moderate or low hunger-categories. This underscores the seriousness of the food security situation in Nepal.

Nepal became a member of FAO in 1951 and an FAO Representative office was established in Kathmandu in 1977. Since then, nearly 200 projects covering various aspects of agricultural development have been completed.

Presently FAO is co-operating with various agencies and development partners in Nepal through a number of projects – all aiming to introduce and sustain innovative approaches to agriculture and rural development.

The country's achievements in the areas of aquaculture, fresh vegetable and vegetable seed production, community and leasehold forestry are highlighted in this publication.

#### Main achievements

Although the share of the agricultural sector has been decreasing slowly over the last decades, agriculture is still a major part of the Nepalese economy. It is the largest single contributor to the national economy accounting for about 31 percent of the country's GDP and provides livelihood options to about 66 percent of its population.

The sector is gradually transforming from subsistence towards commercialization. Similarly, there has been diversification of production technology of herbs like *chiraito, allo,* and *keshar,* in addition to high-value agricultural products. And yet, due to difficulties in transportation and prevailing non-competitive markets, especially in remote hilly areas, food security is still a major challenge.

#### 1.1 Vegetables and vegetable seeds

Vegetables make up over one-third of the total GDP contribution from the agricultural sector. Per capita availability of fresh vegetables increased to 86.4 kg in 2008/09, which is a significant rise from 66.7 kg recorded in 2001/02.

The production of vegetables increased remarkably during the 1980s and first half of 1990s showing annual growth rates as high as 8.2 percent. Over the past decade, the growth stands at 5.8 percent which is quite impressive compared to the annual growth rate of cereal crops which is growing at a very marginal rate.

A large part of the domestic demand for vegetables is currently met by the annual local production of 2.7 million tonnes from about 225 154 ha utilized for vegetable production. However, there is still scope for enhancing performance in this area through improvements in vegetable seed quality.

The success in the vegetable sector can be traced backed to the early 1970s when initial projects implemented by FAO found that vegetable varieties in use in Nepal had badly deteriorated and did not suit the wide range of climatic conditions in the country.

Likewise, seed cleaning and storage facilities were lacking and the credibility of locally produced seeds was not established with the farmers.

#### 1.2 Agricultural marketing

Until the 1990s, agricultural development in Nepal had been focused primarily on the improvement of agricultural production and productivity with no or little attention to agricultural marketing. As a result, agricultural marketing services such as market information services for farmers and traders and infrastructural development of markets and support systems had been neglected. Farmers were producing with little or no information about market opportunities.

The establishment of a public market information service allowed for greater market transparency for producers, market operators and consumers – a solution for which FAO provided technical assistance. Construction of market infrastructure, formation of market user groups (with training in market operations and management), development of market information networks, introduction of improved packaging and transportation systems, and post-harvest technologies are some of the areas where the government sought technical assistance from FAO.

#### 1.3 Integrated pest management

Past indiscriminate use of pesticides in farming caused frequent pest outbreaks, pest resurgence and pesticide resistance and affected the health of many farmers and rural dwellers directly or indirectly involved in the process. Consequently Integrated Pest Management (IPM) was identified as one of the ways to address these issues.

IPM is a pest control strategy that encourages applying measures that are least disruptive to the agro-systems and human health. The IPM approach also empowers farmers with decision-making skills by encouraging them to observe and monitor the crop ecology, discuss and make decisions on follow-up actions.

Since 1990, the government adapted IPM as a crop protection strategy and incorporated IPM as an integral

component of agriculture to promote the use of environment friendly technologies and management practices while enhancing agricultural productivities.

FAO supported IPM activities have resulted in about 15 to 25 percent yield increase in cereals and up to 100 percent for vegetables. The increase was achieved without any significant increase in the crop producing area.

Other achievements included strengthening of the IPM extension approach, enhancement of the technical knowledge of extension workers and farmers, leadership development of IPM trainers, linkages between governmental and non-governmental organizations, international linkages and increased employment opportunities.

Presently, main constraints encountered are excessive bureaucracy, lack of coordination and holistic vision, poor mobilization of IPM trainers (hence, limited adoption of the IPM technologies), and lack of financial resources. At the farm level, the root causes remain the same as many farmers still have poor understanding of IPM technologies and continue to look for immediately visible effects of wide-spectrum chemical pesticides.

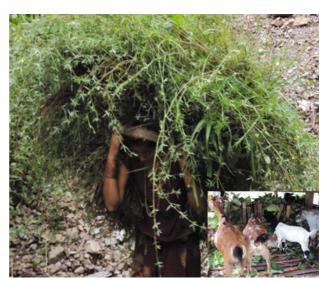
#### 1.4 Community and leasehold forestry

Forest has always been an indispensable part in the livelihoods of the rural people in Nepal. It is the source of fuelwood, timber, fodder and organic fertilizer and provides around 80 percent of energy in the country.

About 6 decades ago more than 65 percent of the land area of Nepal was covered by forests. This figure is now reduced to about 40 percent.

Although the nationalization of forest land in 1957 technically placed all forest land under the ownership of the government of Nepal, forest areas continued to be exploited as a common resource by local people who had access but no recognized rights to such lands.

To stop over-exploitation and misuse and to provide incentives to protect and nurture the forests, the government acknowledged that these may be achieved only through people participation and meaningful involvement in forest management.



Leasehold woman member carrying Grass, Gorkha

However, the policy was untested at that time, procedures unframed and, most challenging were prevailing attitudes with line agency staff more oriented in command and control rather focusing on developmental and socio-economic issues. Even though people had prior experiences forestry practices such as the community contributing in kind (in terms of maize, paddy, millet, etc.) and keep watchers for protection of common forests, decision making mechanisms were not participatory, and did not always benefit forest management or forest user groups.

With the introduction of community and leasehold forestry, currently more than a million hectares of land has been handed over to community forest users with an average community forest size of 80 ha benefitting around 1.5 million households. However, second generation problems associated with governance, transparency, benefit distribution, social inclusion and justice are just emerging in the sector.

#### 1.5 Aquaculture

Nepal possesses a large number of rivers with a perennial supply of water from melting snow from the Himalayas, a considerable amount of smaller lakes, reservoirs, swamps, ponds and irrigated paddy fields suitable for fish farming.

Most of these water resources have historically been largely under-utilized. Although capture fishery in rivers, lakes, reservoirs, wetlands and floodplains has been practiced since long, aquaculture has a short history in Nepal. It can be traced back to the mid-1940s when 6 000 carp fingerlings from India were imported for the first time to the country. Thereafter, fingerlings of Rohu (Labeo rohita), Bhakur (Catla catla), and Naini (Cirrhina mrigala) were imported every year from India and stocked in the ponds.

Common carp (Cyprinus carpio) was introduced in 1956 from Madras, India (having full scales in the body) and in 1959 from Israel (having few scales in the body). However, over the years, aquaculture has developed as the fastest growing food production sector of Nepal.

Aquaculture in Nepal is basically small scale but still contributes about 2.47 percent to the agricultural GDP. Currently, around 750 000 people are engaged in aquaculture production and related activities. The sector provides income (or food from subsistence activities) for some 74 000 households (including part-time occupations). On an average, fisheries provide 10 percent of the animal protein consumed in the country. Moreover, in rural areas where the diet is generally poor and low on minerals, vitamins, etc., even a small portion of fish may be of great importance for nutrition. In addition, the cultural importance of aquaculture can be seen by that fact that Nepalese people have traditionally favoured eating fish as a symbol of good luck (Sagun).

Even though inland capture fisheries and aquaculture are the sole domestic source of fish products for Nepalese people, the development of aquaculture significantly raised the annual per capita fish consumption from 0.3 kg in 1982 to 1.8 kg (still far below the world average). This fast growth is also evidenced by the fact that production increased from 750 tonnes in 1981 to 48 230 metric tonnes in 2009.

Despite the fact that aquaculture was introduced in Nepal in the mid-1940s, the technology of polyculture was introduced only in 1967 by various fisheries development centres, aimed at higher production of fish per unit area by using different fish species with different feeding habits.

At present, seven carp species of which three are indigenous carps namely Rohu, Bhakur and Naini and four exotic carps (common carp, grass carp, silver and bighead carps) are under commercial production. Breeding and culture technologies of these species have been developed and widely established within the private sector. Pond polyculture of the above cited carp species is by far the most common aquaculture system and contributes 90 percent of the total present production. The largest part of production (94%) takes place in the southern part of the country, on the Terai plains, mainly in smaller village ponds.

Besides polyculture – and in spite of its potential – fishcum-rice culture has not taken off. This last culture, practiced in the mid-hills and valleys, only contributed 135 tonnes in 2008/09. Culture of high-value cold water species, in particular rainbow trout, has been on-going for some years at 80 tonnes annual production in 2008/09, but not on a commercial scale.

Current estimates report that there are some 395 000 ha of rivers and about 5 000 ha of small and medium-sized lakes, 1 500 ha of reservoirs, 11 100 ha of marginal/swamps and 398 000 ha of irrigated paddy fields being used for fish production. However, at the moment the quality of fish seed, particularly carp seed for aquaculture, is commonly recognized as the number one constraint for sustainable aquaculture development in the country. The degraded quality of carp seed for aquaculture has resulted mainly from poor broodstock management and inbreeding depression among other factors.

### 2. Selected successful FAO programmes

#### 2.1 Vegetable seeds

The project Field training in vegetable seed production (TCP/NEP/6701) was implemented between July 1977 to June 1978 with a budget of US\$138 000 to train technical officers and field level staff of the Department of Agriculture using locally produced seeds. Priority was placed on adaptive research.

The project helped to identify suitable varieties, both local and from countries in the region, and trained human resources on suitable seed production technology.



Planting along the contour, Jhirubas Palpa

This project was followed by four successive projects, all funded by the government of Switzerland, as follows:

Vegetable seed production (GCP/NEP/029/SWI), February 1981 to June 1984, \$1 271 00

Vegetable seed production, Phase II (GCP/NEP/040/SWI), July 1984 to June 1987, \$1 658 100

Fresh vegetable and vegetable seed production, Phase III (GCP/NEP/040/SWI), July 1987 to June 1991, \$2 439 000

Fresh vegetable and vegetable seed production, Phase IV (GCP/NEP/050/SWI), July 1991 to June 1995, \$383 000

These projects helped to establish physical facilities for seed storage and initiate training programmes. They were implemented in close coordination with the Vegetable Development Division (VDD) of the Department of Agriculture (DoA) of the Ministry of Agriculture and with the private sector.

Linkages were also maintained with the *Seed technology improvement programme* of the then Agriculture Input Corporation with coordination with Lumle Agricultural Centre, and Pakhribas Agricultural Centre.

Japanese volunteers under the Japan International Co-operation Agency (JICA) and with a nutrition programme supported by UNICEF were also mobilized through the promotion of kitchen gardens.

Over the course of this period, fresh vegetable production increased by 90 percent reaching approximately 1 200 000 tonnes by 1993-94 while productivity per hectare increased by 60 percent.



Beneficiary showing good production of vegetable @ FAOERCU

Commercial vegetable production had significantly increased with more farmers using improved varieties or promising local varieties. Vegetable imports from India had also been partly replaced by domestic produce. By the completion of these projects, 28 superior vegetable varieties were identified through adaptive research and the projects helped to increase seed production from 37.6 t in 1984 to 69.5 t in 1987.

#### 2.2 Agricultural marketing

Since at the time the agricultural development in Nepal was primarily production-focused and farmers were least informed about market opportunities, at the request of the Government of Nepal, through the financial assistance of UNDP, FAO provided a Chief Technical Adviser cum Market Information Expert for the project NEP/85/015 Improvement of food and agricultural market information system and transparency in 1987.

Ending in July 1991, the project contributed towards strengthening the institutional capability for timely collection, compilation, analysis and dissemination of marketing information in readily usable and understandable form for producers, consumers, intermediaries and policy-makers alike.

The following two projects were also implemented in the second half of the 1990s to promote proper marketing mechanisms:

Support to a new Kalimati market (NEP/91/035), June 1995 to September 2000, \$962 300

Small marketing infrastructure (NEP/89/004), March 1995 to June 2000, \$3 572 000

These projects supported the management of a newly established vegetable wholesale market in Kathmandu and establishing and strengthening 19 farmer managed vegetable collection centres that fed to the Kathmandu market and markets in the urban centres of the Central and Western regions.

After a gap of some years, direct FAO technical assistance was provided to the government through a Technical Cooperation Programme project TCP/NEP/3104, *Capacity building in agricultural marketing and market management*.

This TCP project began operations in 2008 and was completed 2009. It aimed to increase the income of farmers and others in rural areas as a result of greater efficiency in agricultural marketing systems. For that end, it implemented activities in order to improve the capacity of market managers, market management committees, market centre staff, government officials, agricultural extension workers and staff of non governmental organizations (NGO) to offer support in agricultural marketing and related topics to farmers and traders through provision of market information. A number of training guides or manuals covering market planning market management, agricultural marketing, post-harvest handling, and farm management were also produced.

#### 2.3 IPM

An outbreak of Brown Rice Hopper was detected in rice at Chitwan district in early 1996. To address this issue with least disruption to the environment and human health, the 'farmer field school'-concept of training farmers was introduced into Nepal by FAO as a pilot programme for IPM in rice in May 1997. A season long Farmer Field School (FFS) approach was conducted through TCP/NEP/6712 Implementation of Integrated Pest Management in rice. This was followed by Nepal's participation in the FAO

Regional Programme on Community IPM in Asia between 1998 and 2002 funded by the Government of Norway. During this period hundreds of government field officers, extension agents and farmers were trained as 'trainers in IPM' in rice and vegetables. More than 15 000 farmers were trained through 633 FFSs.



Field Practice

Due to the success of IPM in rice, demands for FFS in other high value crops rose. Consequently Support to the National Integrated Pest Management Programme was launched in 2003 with financial support by the Government of Norway for which FAO provided technical assistance through UTF/NEP/055/NEP Support to the National IPM in Nepal. By the time it completed in 2008, substantial institutional capacity had been developed in the nation. As an immediate follow-up to the project, Norway provided financial support to the government for a 2008-2013 project. FAO is providing technical assistance through UTF/NEP/059/NEP Support to National IPM Programme in Nepal: consolidation, up-scaling and institutionalization, Phase II. The major objective of the project is to strengthen the organizational and managerial capacity of IPM farmer groups/associations.

#### 2.4 Community and leasehold forestry

The commencement of community forestry started simultaneously in 1977 with financial support from the World Bank and technical support by FAO. FAO employed expatriate experts since at that time community forestry

had not taken shape in the country except in few patches in Sindhupalchowk and Kavre, where it had been started on initiatives by local district forest offices without much policy support.

FAO advocated participatory group approaches to community forestry with studies, piloting and developing procedures. A management plan was prepared for each of the sites, and these management plans prescribed mandatorily and contained main points for improvement of forest patches.

With a total budget of over \$9.7 million, the following eight community forestry projects were implemented with FAO assistance in Nepal from 1977 to 1992:

Mountain forest management for community development, TCP/NEP/6704, \$22 000

Multiple use mountain forestry development, TCP/NEP/6801, \$87 400

Terai community forestry development, TCP/NEP/0051, \$233 000

Technical assistance to Terai forestry project, UTF/NEP/038/ NEP, \$1 664 500

Development of income and employment through community forestry, GCP/NEP/042/SWE, \$502 300

Multiple use mountain forestry development, NEP/78/002, \$57 000

Community forestry development (Main phase), NEP/80/030, \$2 783 800

Community forestry development, NEP/85/017, \$4 230 000

Even though community forestry had reached impressive results by 1997, leasehold forestry was still a new phenomenon. The Forest Act (1993) and Forest Rules (1995) provided for leasing of areas of degraded forest land to communities for an extendable period of 40 years with exclusive right to the produce of the land.

In January 1991, the government and the International Fund for Agricultural Development (IFAD) signed a loan agreement for the *Hills leasehold forestry and forage development project* (HLFFDP) for which FAO was requested to provide technical assistance through

financial support from the Government of the Netherlands.

HLFFDP was implemented jointly by the Department of Forestry (DoF), the Department of Livestock Services (DLS), the Agricultural Development Bank of Nepal (ADB/N) and the Nepal Agricultural Research Council (NARC).

The project was implemented in two phases: a three-year exploratory phase and a five-year development phase. The development objective of the project was to improve the living conditions and incomes of families below the poverty line in the project areas by leasing blocks of degraded lands and barren forest lands to small groups of poor farmers.

During the project period from 1992 to 1999, about 7 000 ha of degraded forests lands had been handed over to 1 660 leasehold forestry groups consisting of more than 11 000 socio-economically disadvantaged families.

List of FAO assisted leasehold forestry projects in Nepal during 1977-1992:

Technical assistance to the hill leasehold forestry and forage development programme, GCP/NEP/049/NET, November 1991 to October 1997, \$2 494 700

Technical assistance to the hill leasehold forestry and forage development project (Phase II), GCP/NEP/052/NET, November 1997 to July 2001, \$2 888 000

Institutional and technical capacity building in support of leasehold forestry, TCP/NEP/3102, July 2007 to June 2009, \$300,000

Technical assistance support for leasehold forestry and livestock programme, GCP/NEP/062/FIN, July 2009 to June 2014, \$3 546 500

#### 2.5 Aquaculture

Under a boat building programme, FAO assigned a master boat-builder to Nepal for one year from November 1976 to October 1977 to set up and operate a boatbuilding training programme for three lakes in Pokhara to replace the existing dugout canoes with boats more suitable for fishing. A total of 21 boats was build.

In 1978, another FAO supported project aided the collection of data related to limnology, fish biology and fish catches to assist in the management of the fisheries and help increase fish production from the Pokhara Valley in Nepal. A field laboratory was also established and counterpart staff and assistants were trained during the project period.

An FAO-supported study called *Establishing fish receiving/ distribution centres in Nepal* conducted in 1979 described the assembling and placing in operation of cool chambers and other equipment as a first step in establishing a "cold chain" between main fish production and consumer centres as the increasing demand for fish by the people of Nepal and by increasing numbers of tourists was not met, partly because of inadequate marketing facilities.

Another report, *Cage culture of fish in Nepal*, prepared by FAO in 1980 aided in introducing the practice of culture of fish in cages to private fishing communities by describing technical and economic aspects. A variety of cages were tried and their relative advantages and disadvantages and costs provided.

FAO continues to support the aquaculture sector of Nepal as evidenced by the implementation of the current TCP project *Improving national carp seed production system in Nepal* to address the problems associated with degraded quality of carp seed, poor broodstock management and inbreeding depression.

#### 2.6 Policy support

Over the last decades, FAO has extended policy support to the government – for periodic national plans and area specific support.

The 2004 project A Review of the agricultural policies and legal regime in Nepal (TCP/NEP/0165) is an example of such work, as well as FAO's contributions to policy instruments (Agriculture related Acts) and Implications of the WTO Membership on the Nepalese Agriculture, 2004.

More recently FAO has embarked on the formulation of a *National Medium-Term Priority Framework* (NMTPF) otherwise known as Country Programming Framework, to support objectives related to food security and agriculture development. In so doing, FAO is undertaking sector studies to bridge the gap of knowledge in some areas as identified during a stakeholders workshop – organized jointly by the National Planning Commission, MOAC and FAO in August 2009.

The NMTPF/CPF will guide Nepal-FAO cooperation for the next three to five years and will also contribute to the next cycle of the United Nations Development Assistance Framework (UNDAF). Perhaps unique to Nepal, the government requested FAO assistance to prepare a National Agriculture Sector Development Priority for the medium term as an input to Nepal's Three-year Plan (2010/11-2012/13) as well as to the NMTPF.

This framework has identified eight interrelated priority areas. Some of them are cross-cutting while food and nutrition security is the overarching priority. Other relevant areas are the promotion of policies, laws, rules and regulations that encourage increased investment in agriculture and enhance institutional capacity to improve service deliveries. support to market orientation of agriculture and its competitiveness, sustainable conservation and utilization of natural resources, and biodiversity including improvement in climate change adaptation and disaster preparedness, expansion and improvement of infrastructural facilities, integration of gender issues, and mitigating the effects of migration of the rural youth and agricultural laborers.

Presently FAO is providing technical assistance in formulating an *Agriculture Development Strategy* (ADS) with a 20-year vision and a 10-year planning horizon. ADS is expected to guide Nepal's agriculture development for the coming decades. Similarly, FAO is supporting the government to formulate a *National Food and Nutrition Security Plan of Action* which will be an integral part of ADS, and will contain a menu of project/programme activities for achieving food and nutrition security in the country.

#### 2.7 Emergency operations

The overall goal of FAO's emergency and rehabilitation programme in Nepal is to improve food and nutrition security through the resumption of traditional agriculture and livestock production, while enhancing knowledge and awareness of good nutritional practices.

These emergency operations support the government and cooperate with donors and other development partners to combine immediate response with efforts to build longer-term durable outcomes through strengthening local and national capacities for preparedness. They are also supporting a wide spectrum of disaster risk management approaches.

A main emergency operations programme is implemented by FAO with funding provided from the EU Food Facility programme (EUFF) in Nepal. This programme aims to enhance food security of farmers by delivering a broad range of inputs and technical assistance to improve crop and livestock productivity and reduce livelihood vulnerability. It targets most vulnerable farming families by ensuring their access to improved fertilisers and seed, and distributing livestock. Also, in times of natural disasters like floods and landslides, the programme provides quick response for recovery of agriculture-based livelihoods.

The following are the current emergency operations in the country:

Support to mitigate the negative effects of high food prices on local rural population in 10 districts of Nepal, GCP/NEP/065/EU, May 2009 to June 2011, US\$10 960 034. The project's overall objective is to enhance the food security of 180 333 farming households and mitigate the effects of soaring food prices through the provision of improved quality seeds of staple crops (cereals), vegetables and pulses. In addition, it seeks to reinforce the capacity of the MoAC, especially its extension services, and of the government of Nepal to improve food security and nutrition monitoring capabilities.

FAO through the Emergency Centre for Transboundary Animal Diseases Operations (ECTAD) has been assisting the government in strengthening capacities to control and contain transboundary animal diseases, such as Highly Pathogenic Avian Influenza (HPAI), in order to minimize the impact of the disease and improve livelihoods of the farming community.

For this, ECTAD works to develop cross-border strategies and approaches for improvement of overall surveillance in different subsectors of the disease. It even ensures that standardised procedures are undertaken for the inspection of poultry and poultry product at border so that the transmission of disease can be controlled.

Immediate technical assistance to strengthen emergency preparedness for Highly Pathogenic Avian Influenza (HPAI) in Nepal, OSRO/RAS/605/US, July 2006 to September 2011, US\$215 000. The overall objective is to address the urgent short-term actions that are to be undertaken by the countries in the region to strengthen its capacity in order to rapidly detect the introduction of HPAI into the country and minimize its spread in the case of its occurrence. Achieving this goal will significantly reduce the threat of pandemic influenza and help safeguard the livelihoods of the rural and peri-urban population.

Technical assistance for implementation of the Avian Influenza preparedness programme, UTF/NEP/061/NEP/B, June 2008 to July 2011, US\$2 392 743. The main aim of this project is provide technical support to the Department of Livestock Services for the preparedness of Avian Influenza through procurement of general materials and supplies and management of rapid response fund.

Improvement of regional capacities for the prevention, control and eradication of highly pathogenic and emerging diseases (HPED) including HPAI in ASEAN and SAARC countries, OSRO/RAS/901/EC, December 2009 to December 2013, US\$11 524 190. The general objective of the programme is to contribute to the strengthening and empowerment of SAARC in its ability to prevent, control and eradicate HPED, including HPAI, through improved veterinary and public health services and intersectoral collaboration on a regional basis.

#### Annex I

#### Success stories

# 1. Mr Naina Bahadur Lo expects40 to 60 percent boost in production

"Earlier we harvested 60 to 70 baskets maize and this year we expected more than 100 baskets," Naina Bahadur Lo told us when we visited him at his place at Salle of Bastipur – 6, Sindhuli.

Mr Bahadur produced and sold three baskets of cucumber from the summer vegetable composite packets received from FAO. He was very happy with the increased maize production and an additional income from the cucumber.

This year FAO distributed under a European Union Food Facility funded project da huge quantity of improved seeds of maize, rice, vegetable and fertilizer to over six thousand households in Sindhuli.



Naina Bahadur and his fellow farmers were successful increasing production of maize and producing different types of vegetables. He not only sells the vegetables in the markets but sometimes also shares with his neighbours and relatives.

Mr Bahadur cultivated okra for the first time and exclaimed that it made wonderful combination with nettle soup. He is contented that other vegetables like

chilly, bitter gourds and brinjal are also flowering now. He has already transplanted rice which is distinctly better. He is pleased learning improved cultivation practices through informal demonstrations organized by FAO through the field-based technicians of its implementing partner. These technicians are encouraging and supporting farmers in selection and storage of seeds. Naina Bahadur Lo has 7 ropani of Khet land and 9 ropain of Bari land. This hardly supports feeding his family of 9 members throughout the year; however, this year maize is better; therefore, it will be easy for him feeding family.

Already in his 60s, Naina Bahadur is quite happy with these development efforts in the village. He bought a buffalo with support from PAF (Poverty Alleviation Fund). He furthermore received rice and pulse from WFP for his involvement in reconstructing the trail to Satdobato. He is quite pleased receiving a complete package of seeds and fertilizers from FAO.

He told us, "I do not need to by more foods, buying only salt and oil is enough now". We see lots of rays of hopes in the life of Nain Bahadur.

# 2. Starting vegetable collection centre at Mudali VDC of Parsa district

National Cooperative Federation (NCF) is an umbrella organization of district cooperative unions of all over Nepal. Various capacity building trainings and exposure activities had been implemented through the partnership of National Cooperative Federation Ltd (NCF) under FAO-Nepal Jobs for Peace Programme (JfP) for 16 cooperatives of Parsa district and 14 cooperatives of Rautahat district.

Cooperatives have been recognized as a strong community based organizations for social, economical, and cultural development of the poor and disadvantaged group. JfP supported local youth led cooperatives to work as model cooperative.

New Jivan Jyoti Saving and Credit Cooperative Ltd (NJJSCCL) in Mudli VDC of Parsa District is one of the selected cooperatives to function as a model vegetable

collection centre that provides service to its members in producing fresh vegetables and marketing their produce to near-by markets. NJJSCCL is providing saving and credit activities in the VDC serving about 250 members (140 men and 110 women) of the VDC since 2001. The cooperative is operated and managed by an innovative and energetic group of youths of the VDC. The loan is provided to its members for various agriculture activities such as vegetable production, buffalo farming, goat keeping, small groceries.

The co-operative has been actively participating in institutional capacity building, trainings and exposure activities implemented by NCF such as cooperative facilitator training, leadership development training, business plan preparation training, cooperative education to the members, account management training, agro-enterprise development training, gender sensitive participatory local development planning etc. The cooperative has enrolled about 60 disadvantaged youths in the saving and credit activities after came contact was established with the Jobs for Peace Programme/FAO Nepal.



Farmers weighing their fresh vegetable at a vegetable collection centre in Parsa District

During consultations between the organization's members and staffs from the Jobs for Peace Programme/ FAO Nepal, it was discussed that more than 90 percent of the members are farmers. They are engaged in vegetable production as their income generation and livelihood activities. District Agriculture Development Office, Parsa

has recognized the VDC as vegetable production pocket area. There is bulk production of seasonal vegetable crops such as cabbage, cauliflower, radish, bottle guard, sponge guard, okra, tomato, potato, chilly, and leafy vegetables that are sold in a local market near the village.

The cooperative also established a vegetable collection centre to link the products to the traders of Birgunj, a larger market about 25 km from the village. The cooperative could then easily start marketing the fresh vegetable to Birgunj. With this initiative farmers are getting some relief from the worst situation of throwing their fresh vegetable products to cattle and are encouraged to increase the area of production of fresh vegetable crops for selling and self consumption. This initiative has been a firm step towards vegetable commercialization of the VDC.

#### 3. Leasehold forestry

(Text extracted from the script of the FAO documentary *Towards food security – Stories from Asia and the Pacific*)

In Nepal, previous government policies on forests left villagers with no stake in protecting this vital natural resource. Among the results were deforestation, barren land and poverty.

In 1992, the government of Nepal changed course with assistance from the FAO and the International Fund for Agricultural Development.

Communities were given the right to manage the forests and reap the benefits under an expanded programme of leasehold forestry. Deforested land was leased to villagers so they could grow grasses, orchards and trees.

**Urumya:** "The Forest Office provided us with fallow land for work and seeds. We did not cut the grass for a year. It was amazing the next year. The grass was so plentiful we did not know what to do with it."

Villagers harvested the grasses to make a variety of products that could be sold for income such as brooms and wicker baskets. But mostly, the grasses provide fodder for the feeding of goats and other livestock. Excess fodder was sold for income.

Goats also provide communities with milk, helping to raise nutrition levels, especially among children. And with families earning extra income, they could now afford to take their children out of the fields and send them to school.

Gopal Nepali (dalit or untouchable): "We were very poor in the past and did not have money to even buy a ballpoint pen. Then we started earning income from the leasehold forestry programme. Now I am sending my seven children to school with no problems."

Villagers are now also growing fruits trees, such as pineapple and bananas. A few are even growing herbs such as cardamom. Some are growing trees that will eventually yield timber.

**Tularam Ghimire:** "There are two objectives of the programme. The first is improving the economic situation of poor farmers. The second is improving the environment. The twin objectives have brought drastic improvement to the forest. The previously fallow land is now filled with grass and trees."

Other improvements have also been seen. Villagers learned to pool their savings into micro-credit groups that provide loans so the poorest members will have capital.

The involvement of women in the programme has raised their status in the community. And the ability to earn a living and contribute to society has helped tear down caste barriers.

**Gopal Nepali:** "Since joining the programme we are able to take part in meetings and feel that we reached the status of higher caste people. I feel the programme is good for poor people, as it brings us income and helps to change society."

#### 4. FAO honours model farmer from Nepal

**18 Oct 2010** — Bangkok – Today, Her Royal Highness Princess Maha Chakri Sirindhorn presented FAO awards to four Asian farmers from Nepal, the Republic of Korea, Thailand and Timor-Leste for outstanding achievements.



Laxmi Tamang, a female model forester from the Federal Democratic Republic of Nepal.

Laxmi Tamang is a vivacious fighter who instinctively keeps her eyes on the prize. Born into a landless family from the foothills of the Himalayas in Nepal in 1977, she was sent to work at the age of seven in a handloom carpet factory with her half-sister. For nine years she wove carpets with no opportunity for schooling.

When Laxmi returned home at 16 her father asked her to get married. He was suffering from cancer and wanted to assure his daughter's future. But, Laxmi had other ideas.

She learned to sew and soon opened a small tailoring shop in Charikot bazaar, not far from home. Soon she realized few women could afford her tailored clothes and life remained a struggle. Her father passed away when she was 21 and soon after, the thatched roof of the house she shared with her mother and six brothers and sisters caught fire and was seriously damaged.

Laxmi calls these hard times "my troubles" and remembers it was during these dark days that government extension workers came to the village to explain a new programme.

Previous forestry policies had left the landless villagers with no rights to local forest areas, which were claimed by another caste. This policy had resulted in deforestation, barren land and widespread poverty. Now, the extension workers explained the government was going to change the policy with help from FAO and the International Fund for Agricultural Development.

The government would lease deforested land to the villagers so they could grow grass, orchards and trees. The community came together and formed a group to manage the forest. They elected a Chairperson and Laxmi as their General-Secretary.

The group now harvests grasses from the forests. They make brooms and wicker baskets to sell, but mostly the grasses provide fodder to feed goats and other livestock.

"I see the forest becoming greener and the community is prospering and growing cash crops like ginger, cardamom and turmeric," Laxmi says. "Some people are growing fruit trees and selling fodder and seeds."

Laxmi has been able to replace her burnt thatch roof with a metal one. She has 100 chickens and earns 10 000 to 20 000 Rupees from selling chicks. She has also become a prosperous goat farmer and owns two buffalo.

The community group pooled their savings into a microcredit account that provides incentivized loans. A family borrowing to invest in farming activities, or to send their children to school can borrow more money at a lower interest rate than someone buying a television.

"My only regret is that I could not be educated at a young age," says Laxmi. While she is now attending adult education classes, it is her dream to send younger brothers and sisters to schools too.

The award ceremony was part of today's Asia-Pacific observance of World Food Day – the 65<sup>th</sup> anniversary of FAO's foundation in Quebec, Canada on 16 October 1945.

HRH Princess Maha Chakri Sirindhorn presided over the ceremony. The Thai minister of agriculture and cooperatives, other senior Thai government officials, Bangkok based members of the diplomatic corps, UN organizations and civil society were in attendance.

A keynote address "United against hunger" was delivered by Dr Surin Pitsuwan, Secretary-General of the Association of Southeast Asian Nations.

## Annex II

## List of selected projects

| Title  | Symbol             | EOD  | NTE  | Budget (\$) |
|--|--------------------|------|------|-------------|
| Field Training in Vegetable Seed Production  | TCP/NEP/6701       | 1977 | 1978 | 138 000     |
| Assistance to the Chaur Jahari Project   | TCP/NEP/6702       | 1977 | 1978 | 50 000      |
| Training in Methods of Hill Area Irrigation  | TCP/NEP/6703       | 1977 | 1978 | 95 000      |
| Mountain Forest Management for Community Development   | TCP/NEP/6704       | 1977 | 1978 | 22 000      |
| Multiple Use Mountain Forestry Development   | TCP/NEP/6801       | 1978 | 1978 | 87 400      |
| Fertilizer Distribution Improvement and Training Project   | TCP/NEP/8803       | 1979 | 1979 | 92 000      |
| National In-Service Training on Agricultural Project Analysis and Rural Development Planning                         | TCP/NEP/8802       | 1979 | 1979 | 88 000      |
| Forestry Development   | NEP/80/030/ /01/12 | 1980 | 1991 | 2 740 882   |
| Strengthening Agricultural Credit Planning (Rastra Bank)   | TCP/NEP/0002       | 1982 | 1983 | 111 000     |
| Development of a Management Information System for the Nepal Food Corporation  | TCP/NEP/0003       | 1980 | 1981 | 47 000      |
| Support to Small Farmers/Tenants Through Cooperatives  | TCP/NEP/0104       | 1981 | 1981 | 15 000      |
| Development of Home and Village Industries Using Jute Fibre  | TCP/NEP/0105       | 1981 | 1983 | 34 000      |
| Rural Save Grain Programme   | TCP/NEP/0106       | 1982 | 1983 | 168 000     |
| Introduction of Improved Indigenous Machines and Equipmentat Village Level   | TCP/NEP/0107       | 1982 | 1983 | 49 000      |
| Development and Promotion of Jute Sector   | TCP/NEP/2201       | 1983 | 1983 | 65 313      |
| Crop Forecasting, Early Warning and Agriculture Statistics   | GCPS/NEP/036/JPN   | 1983 | 1993 | 633 720     |
| Improving Productivity of Acid Soils by Lime Application   | TCP/NEP/2304       | 1983 | 1984 | 97 480      |
| Emergency Assistance to Drought Affected Regions in Nepal  | TCP/NEP/2305       | 1983 | 1985 | 176 896     |
| Rural Save-Grain Programme -Bridging Assistance  | TCP/NEP/2307       | 1983 | 1984 | 27 335      |
| Nepal Terai Forestry   | UTF/NEP/038/NEP/C  | 1985 | 1996 | 1 987 985   |
| People's Participation in Rural Nepal  | GCP/NEP/039/CPR    | 1985 | 1994 | 115 919     |
| Population Education for Farmers Through Ministry of Agriculture   | FPA/NEP/009/FPA    | 1985 | 2000 | 92 193      |
| Livestock Production and Marketing   | NEP/85/031/ /38/45 | 1985 | 2000 | 532 630     |
| National Sample Census of Agriculture  | NEP/81/008/ /01/12 | 1985 | 1991 | 555 035     |
| Population Education through Small Farmers Development Programme   | FPA/NEP/010/FPA    | 1985 | 1995 | 120 550     |
| Agricultural Communication Services  | NEP/85/005/ /01/12 | 1988 | 1999 | 968 377     |
| Demonstration and Training in Water Turbine Pump<br>Installation and Operation for Crop Production<br>and Processing | TCP/NEP/4503       | 1985 | 1986 | 52 070      |
| Planning Assistance to the Ministry of Agriculture   | TCP/NEP/4504       | 1986 | 1987 | 218 111     |
| National Parks   | NEP/85/011/ /01/12 | 1986 | 1992 | 626 946     |

| Title   | Symbol             | EOD   | NTE  | Budget (\$) |
|---|--------------------|-------|------|-------------|
| Soil and Water Conservation and Watershed                           | NEP/85/008/ /01/12 | 1986  | 1994 | 2 242 324   |
| Management  | NLF/03/000/ /01/12 | 1900  | 1994 | 2 242 324   |
| Control of Rinderpest in South-Western Nepal                        | TCP/NEP/6651       | 1986  | 1987 | 31 267      |
| Strengthening of National Remote Sensing Centre                     | TCP/NEP/6652       | 1987  | 1988 | 185 000     |
| strengthening   | TC1/TVL1/0032      | 1707  | 1300 | 103 000     |
| Planning and Monitor Capability of the Ministry                     | NEP/85/003/ /01/12 | 1987  | 1995 | 854 800     |
| of Supplies   | NEP/85/007/ /01/12 | 1987  | 1002 | 620 572     |
| Pasture and Fodder in the High Altitude Zone                        |                    |       | 1992 | 630 572     |
| Food Corporation Management   | NEP/86/032/ /01/12 | 1987  | 1992 | 673 474     |
| Assistance in Strengthening the Intensive Banking<br>Programme      | TCP/NEP/6753       | 1988  | 1989 | 258 500     |
| Fresh Vegetable and Vegetable Seed Production (Phase III & IV)      | GCP/NEP/043/SWI    | 1987  | 1999 | 4 946 297   |
| Development of Income and Employment Through                        |                    |       |      |             |
| Community Forestry  | GCP/NEP/042/SWE    | 1988  | 1993 | 501 863     |
| Forestry Development  | NEP/85/017/ /01/12 | 1988  | 1995 | 2 400 604   |
| Agricultural Planning Support                                       | NEP/87/010/ /01/12 | 1988  | 1993 | 690 652     |
| Agricultural Census   | NEP/88/024/ /01/12 | 1988  | 1995 | 861 479     |
| Food and Agricultural Market Information System                     | NEP/85/015/ /01/12 | 1988  | 1993 | 623 983     |
| Aquaculture Development in Terai                                    | NEP/85/034/ /38/45 | 1988  | 1996 | 456 777     |
| Aquaculture Development   | NEP/79/030/ /38/45 | 1988  | 1996 | 327 272     |
| Vitamin A Deficiency Control on Education Sectors                   | TCP/NEP/7851       | 1988  | 1988 | 87 000      |
| Strengthening Facilities for Food Control and Consumer              | TCP/NEP/8852       | 1988  | 1989 | 163 000     |
| Bacteria Collection and Inoculant Technology  Development           | TCP/NEP/8853       | 1989  | 1991 | 155 000     |
| Sericulture Development   | TCP/NEP/8854       | 1988  | 1989 | 53 000      |
| Feasibility Study for New Cheese Factories in                       |                    | 1 700 | 1707 | 33 000      |
| Mountain Areas  | TCP/NEP/8855       | 1989  | 1989 | 68 000      |
| Enhancing the Productivity of Rural Women for Food Security         | GCP/NEP/044/NOR    | 1989  | 1997 | 1 373 437   |
| Strengthening the Agricultural Tools Factory at Birgunj             | TCP/NEP/8956       | 1989  | 1991 | 173 800     |
| Increased Crop Production in The Hills Through Fertilizers          | GCPF/NEP/030/NET   | 1989  | 1996 | 2 593 584   |
| Rural Save Grain Programme  | GCPP/NEP/037/AUL   | 1989  | 1994 | 1 199 823   |
| In-Service Training Agricultural Project Analysis (Phase II)        | GCP/NEP/035/SWI    | 1989  | 1994 | 1 740 636   |
| Shivapuri Watershed Management and Fuelwood<br>Plantation (Phase I) | GCP/NEP/041/NOR    | 1989  | 1995 | 1 532 734   |
| Terai Community Forestry Development                                | TCP/NEP/0051       | 1990  | 1990 | 233 000     |
| Training in Nutrition for Prevention of Vitamin A Deficiency        | GCP/NEP/046/NET    | 1990  | 1996 | 551 013     |
| Hills Leasehold Forestry, Forage and Livestock Development          | GCP/NEP/049/NET    | 1991  | 1997 | 2 494 730   |
| Field Programme Review and Programming Mission                      | TCP/NEP/0152       | 1991  | 1992 | 197 000     |
| Agro-Industries Pre-Investment Studies                              | TCP/NEP/0153       | 1991  | 1991 | 21 000      |

| Title  | Symbol             | EOD  | NTE  | Budget (\$) |
|--|--------------------|------|------|-------------|
| Preparation of Agro-Industrial Investment Profiles   | TCP/NEP/0154       | 1991 | 1992 | 52 000      |
| District Agricultural Planning   | NEP/92/012/        | 1992 | 1995 | 80 455      |
| Planning for Sustainable Agriculture and Natural<br>Resource Development                                   | TCP/NEP/1251       | 1992 | 1993 | 142 000     |
| Shivapur Integrated Watershed Development Project (Phase II)   | GCP/NEP/048/NOR    | 1992 | 1999 | 2 088 032   |
| Agricultural Tools Factory (Phase II)  | TCP/NEP/2252       | 1992 | 1992 | 37 000      |
| Agro-Ecological Zones Study  | NEP/92/01T/ /08/12 | 1992 | 1993 | 144 221     |
| Dairy Development Training, Eastern Region   | TCP/NEP/2253       | 1993 | 1994 | 199 000     |
| Emergency Supply of Winter Crop Seeds  | TCP/NEP/2254       | 1992 | 1993 | 230 000     |
| Policy Review and Project Development Facility   | NEP/91/003/ /01/12 | 1993 | 1993 | 40 922      |
| Strengthening Fish Disease Diagnosis   | TCP/NEP/2355       | 1993 | 1994 | 182 000     |
| Formulation of National Agricultural Extension Strategy and Implementation Programme                       | TCP/NEP/2356       | 1993 | 1994 | 101 000     |
| Emergency Supply of Winter Crop Seeds for Flood & Landslide  | TCP/NEP/2357       | 1993 | 1995 | 230 000     |
| Development of a Programme for Agenda 21   | NEP/94/01T/ /08/12 | 1994 | 1995 | 104 000     |
| Incorporating Nutritional Concerns in Agricultural Planning  | NEP/94/02T/ /08/12 | 1994 | 1995 | 77 500      |
| Support for the Development of a National Biogas Programme   | TCP/NEP/4451       | 1995 | 1997 | 127 869     |
| Strengthening the Documentation Services of the Nepal Agricultural Research Council                        | TCP/NEP/4452       | 1995 | 1997 | 135 000     |
| Emergency Supply of Winter Crop Seeds to Drought Affected Farmers  | OSRO/NEP/401/UK    | 1994 | 1997 | 232 500     |
| Kalimati Wholesale Market  | NEP/91/035/ /01/12 | 1994 | 2000 | 998 667     |
| Support to a New Kalimati Market   | NEP/91/035/ /09/12 | 1994 | 2000 | 89 775      |
| Emergency Supply of Vegetable Crop Seeds to<br>Drought Affected Farmers                                    | TCP/NEP/4453       | 1994 | 1995 | 113 000     |
| Small Marketing Infrastructure (NEP/89/C04)  | UNTS/NEP/001/CDF   | 1995 | 2000 | 1 128 655   |
| Fresh Vegetable and Vegetable Seed Production (Phasing Out)  | GCP/NEP/050/SWI    | 1995 | 1996 | 376 290     |
| SPFM Nepal   | SPFM/NEP/4501      | 1995 | 1996 | 94 371      |
| SPFP – Nepal   | SPFP/NEP/4501      | 1995 | 1999 | 790 542     |
| Enhancing Private Sector Investment in Small and<br>Medium-Scale Rural Agro-Industry                       | TCP/NEP/4555       | 1995 | 1997 | 332 000     |
| Improving Information on Women's Contribution to Agricultural Product for Gender Sensitive Planning, Nepal | GCP/NEP/051/NOR    | 1995 | 1999 | 123 272     |
| Improvement of Seed Quality Control Services   | TCP/NEP/6611       | 1996 | 1998 | 251 400     |
| Implementation of IPM in Rice  | TCP/NEP/6712       | 1997 | 1999 | 318 000     |
| Assistance to the Development of Olive Production  | TCP/NEP/6713       | 1997 | 1999 | 316 700     |
| Hills Leasehold Forestry Programme (IFAD Funded) – Phase II of GCP/NEP/049/NET                             | GCP/NEP/052/NET    | 1997 | 2001 | 2 019 766   |

| Title  | Symbol             | EOD  | NTE  | Budget (\$) |
|--|--------------------|------|------|-------------|
| Master Plan for Agricultural Marketing in Kathmandu<br>Valley  | TCP/NEP/8921       | 1999 | 2000 | 158 000     |
| NISP – On-Farm Water Management Subcomponent –<br>Nepal  | UTF/NEP/053/NEP    | 1999 | 2004 | 822 484     |
| Poverty Alleviation and Sustainable Household Food<br>Security   | NEP/99/023/ /08/12 | 2000 | 2003 | 111 000     |
| Assistance in the Review of Agriculture Policy and Legislation   | TCP/NEP/0165       | 2001 | 2003 | 73 287      |
| Implication of WTO Membership on Nepalese<br>Agriculture   | NEP/01/013/ /08/12 | 2002 | 2003 | 132 200     |
| Purchase of ELISA Kit  | UTF/NEP/054/NEP    | 2002 | 2003 | 25 640      |
| Capacity Building for Fodder Oat Technologies in Nepal   | TCP/NEP/2901       | 2003 | 2005 | 246 403     |
| Protection against Rinderpest and Other Major Diseases of Farm Livestock through Emergency Preparedness Planning and New Vaccine Technology  | TCP/NEP/2902       | 2003 | 2005 | 356 983     |
| Strengthening Plant Quarantine Services  | TCP/NEP/2903       | 2004 | 2005 | 363 575     |
| Assistance in the Review of Agricultural Policy and Legislation (Phase II of TCP/NEP/0165)   | TCP/NEP/2904       | 2003 | 2004 | 83 920      |
| Support to the National Integrated Pest Management<br>Programme in Nepal   | UTF/NEP/055/NEP    | 2004 | 2008 | 1 424 425   |
| Promotion of Olive Production and Consumption in Nepal   | GCP/NEP/056/ITA    | 2005 | 2009 | 1 042 417   |
| Enhancement of Food Security and Poverty Alleviation through Improved Institutional Capacity of Agricultural Cooperatives  | TCP/NEP/3001       | 2005 | 2007 | 288 000     |
| Technical Assistance to the Community Livestock<br>Development Project (CLDP)  | UTF/NEP/057/NEP    | 2007 | 2010 | 2 171 237   |
| Crop and Food Supply Assessment Mission in Nepal   | GCP/NEP/058/UK     | 2007 | 2007 | 32 000      |
| Training for the small-scale dairy sector in support of the community livestock development project  | TCP/NEP/3103       | 2007 | 2009 | 372 000     |
| Institutional and technical capacity building in support of leasehold forestry   | TCP/NEP/3102       | 2007 | 2009 | 300 000     |
| Capacity Building in Agricultural Marketing and Market<br>Management   | TCP/NEP/3104       | 2008 | 2009 | 382 000     |
| Urgent Food Security Assistance to Vulnerable Farming Families   | OSRO/NEP/802/CHA   | 2008 | 2008 | 400 000     |
| Strengthening the capacity of government officials responsible for food safety, animal and plant health, and agricultural trade in Nepal to effectively implement SPS measures and related trade obligations | MTF/NEP/060/STF    | 2008 | 2010 | 390 290     |
| Dairy cattle improvement   | TCP/NEP/3105       | 2008 | 2009 | 357 914     |
| Strengthening capacities for disaster prevention and Preparedness and Climate Risk Management in the Agricultural Sector   | TCP/NEP/3201       | 2008 | 2010 | 470 000     |

| Title  | Symbol            | EOD  | NTE  | Budget (\$) |
|--|-------------------|------|------|-------------|
| Technical Assistance for implementation of the Avian Influenza Preparedness Programme  | UTF/NEP/061/NEP/B | 2008 | 2011 | 2 392 743   |
| Emergency assistance to improve food and nutrition security of vulnerable rural communities affected by internal conflict, flood and drought in Nepal                                    | OSRO/NEP/801/SPA  | 2008 | 2009 | 1 392 758   |
| Input supply to vulnerable populations under ISFP  | TCP/NEP/3202      | 2008 | 2009 | 500 000     |
| Translation of HIV/AIDS resource guide for extension workers into Nepali and Research to examine the linkages between HIV/AIDS, agriculture and food insecurity in Nepal (PAF 2006-2007) | UNTS/NEP/001/AID  | 2008 | 2009 | 61 500      |
| Emergency livestock support for flood affected farmers   | OSRO/NEP/804/CHA  | 2008 | 2009 | 205 698     |
| Support to the National IPM Programme-Consolidation, up-scaling and Institutionalization, Phase II   | UTF/NEP/059/NEP   | 2008 | 2013 | 3 400 000   |
| Emergency coordination and input support for the immediate recovery of crop sector in flood affected areas – (SIDA component n.5204000201)   | OSRO/NEP/805/SWE  | 2008 | 2009 | 366 600     |
| Support to Improve Access to Agricultural Production Inputs and Support Services in Nepal  | OSRO/NEP/806/CHA  | 2008 | 2009 | 899 998     |
| Jobs for peace: 12,500 youth employed and empowered through an integrated approach   | UNJP/NEP/004/UNJ  | 2009 | 2011 | 804 215     |
| Support to mitigate the negative effects of high food prices on local rural populations in ten districts in the Eastern, Central Mid-Western and Far-Western regions of Nepal            | GCP/NEP/065/EC    | 2009 | 2011 | 11 171 041  |
| Technical Assistance Support for Leasehold Forest and<br>Livestock Programme   | GCP/NEP/062/FIN   | 2009 | 2013 | 3 546 500   |
| Enhancing Capacities for Climate Change Adaptation<br>and Disaster Risk Management for Sustainable<br>Livelihoods in the Agriculture Sector  | UNJP/NEP/005/UNJ  | 2009 | 2011 | 252 555     |
| Emergency Support and Input Provision to Households<br>Affected by Floods in Mid-Western and Far-Western<br>Nepal  | OSRO/NEP/901/CHA  | 2009 | 2010 | 80 946      |
| Dairy Cattle Improvement – Phase II of TCP/NEP/3105  | TCP/NEP/3204      | 2010 | 2010 | 25 220      |
| Piloting Land Registration and Preliminary Land<br>Management Intervention in Selected Part of<br>Achham District  | UNJP/NEP/066/UNJ  | 2010 | 2011 | 50 000      |
| Combating Citrus Decline Problem in Nepal  | TCP/NEP/3302      | 2010 | 2012 | 303 000     |
| Improving national carp seed production system in Nepal  | TCP/NEP/3303      | 2010 | 2012 | 330 000     |

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