

APPENDIX2. Analysis of Outcomes (SHIP Nepal)

The table below summarizes the results of the year 2013-014 is updated in the mid-term study report of 2012-13 from program communities. It also combines some of the monitoring information and records where appropriate. The figures presented in the table below are extrapolated from both baseline (2010-11) and updated in mid-term (2012-13) results for easy comparison of the progress to achieve the target set for each outcome indicators. There are 1268 HHs targeted by the program which is being implemented in Kharpunath, Lali, Raya and Sarkideu VDCs in Humla.

Summary of Data Collection Methods, 2010-2015. Please complete the following table to summarize your data collection activities. Also, we ask that you provide USC with a copy of your data collection tools (survey instrument, focus group discussion checklist, etc.)

	2010-11	2011-12	2012-13	2013-14	2014-15
Data collection activities completed	Prepared FGD and household survey questionnaire checklist in technical facilitation of USC Asia Pokhara, orientation to data collector, household survey, Focus group discussion (FGD), review of secondary data	Document review, data collection of beneficiaries household,	Prepared FGD and simple household survey questionnaire checklist in technical support with USC Asia Pokhara, staff meeting, orientation, household survey, FGD, review of program document, field survey etc	Document review, simple format developed and production data collection with program support beneficiaries, small group discussion in cooperatives/groups, field visit in seed and material support household, simple questionnaire etc	
Number of direct participant/beneficiary HHs*	488 HHs/517 beneficiary member with 218 female members	854/637 members with 320 female beneficiary members	1008HHs/1090 members with 593 female members	1095HHs/1389 members with 724 (52.12%) female members	
Sample size for HH survey	584	181	366	279 PVS & vegetable producer	
Sampling method for HH survey**	*2 see in below		*2 see in below		
Did sample include any new HHs (not in baseline survey)? If so, how many?			258 New		
Method used for extrapolation	*3 see in below		*3 see in below		

*Should be the same as in Outputs.xlsx

**Indicate whether you used 1) a random sample; 2) a stratified random sample; 3) a purposeful sample (selected by program staff); or other type of sample. If you used a stratified sample, please explain how the strata were defined and whether the sample taken from each strata was proportional.

Sampling method for HH survey**

***2. A stratified random sample:** The base line data collections were carried out through stratified random sampling method. In each sample size represented minimum 30 house hold and maximum 60 according to number of household distribution that means 30 HHs sample size was taken from up-to 100 households, 45 HHs Sample Size from 100 to 140 households, 60 HHs Sample Size from 150 to 175 households. The selection criteria for the sample are the size of village/cluster and geographical distribution, social inclusion (ethnic communities and Dalit), participation in project activities, socio-economic status and agro-ecological condition. It was not proportional.

In regards to the gender representatives and inclusiveness in total sample size all ethnicity were included proportionally from four categories. These categories are dalit (Kami, Damai and Sarki); Ethnic (aidi, budha); Shahi/Thakuri; and Kshetri/Bramhin. In term of agro ecological factors, each VDC were divided in 4 project sites including all communities and villages. In defining sample size, suggestions and inputs from USC Canada Asia representative and scientific advisor Dr Pratap Kumar Shrestha, staffs of SHIP-Nepal, farmers' cooperative leaders, Community Development Committee (CDC) leaders and leader farmers were also taken into consideration in defining sampling strategy.

*3 Method used for extrapolation

There are mainly three basic approaches to extrapolate from sample to population. One of them is to assume that the populations follow a special distribution, known as the Gaussian (bell shaped) distribution. Once we assume that a population is distributed in that manner, statistical tests let us make inferences about the mean (and other properties) of the population. Most commonly used statistical tests assume that the population is Gaussian. In this baseline survey, we used this method of extrapolation to make conclusions about populations from samples of data.

We extrapolated the numbers and % based on total sample size. Total sample household number is 585 in planed and actual is 589 (Kharpunath-135, Lali-151, Raya-150 & Sarkideu-153). Then we extrapolated the total sample size in total population, the total population size is 1268 in four program running VDCs (Kharpunath-278, Lali-296, Raya-312 & Sarkideu-382).

I. *Ultimate outcome: Enhanced food and livelihood security*

	No.	Indicator	Data source and method	Baseline situation	Target for 2015	Actual results			Remarks on progress*
						2011-12	2012-13	2013-14	
Ultimate outcome	1a	Number of participating HH having eliminated or reduced the hunger/lean period they experience each year	<p>Data source: Household survey report, production record from individual program beneficiaries' household from 4 program communities.</p> <p>Method: Check list prepared, survey of individual household regarding production and food sufficient month, data entry in SSP and excel sheet and extrapolated based on total household.</p> <p>Level Low food secured -up to 6 months; Medium food secured- 7 to 11 months; high food secured: food availability months 12 and above from their own production</p>	<p>Level No of HHS</p> <p>Low 536 (42.29%) Medium 332 (26.20%) High 400 (31.51%)</p> <p><i>% is calculated in total 1268 population household</i></p>	<p><i>Reduce or increase the number of household regarding food security in base line</i></p> <ul style="list-style-type: none"> Reduce the number of household with low food security to 381(50%) Increase the number of household with medium food security to 254 (33.33%) Increase the number of household with high food security to 127 (16.66%) <p><i>% is calculated in total target household 762</i></p>	<p>181 (14.27%) household reported increase in food production and reduced hunger periods</p> <p><i>% is calculated in total 1268 population household</i></p>	<p><i>Reduce or increase the number of household regarding food security in target</i></p> <ul style="list-style-type: none"> Reduce the number of household with low food security to 106(27.82%) in target. Increase the number of household with medium food security to 112 (44.09%) in target. Decrease the number of household with high food security to -6 (-4.72%) in target <p><i>% is calculated with target household in each level</i></p>	<p><i>Reduce or increase the number of household regarding food security in target line</i></p> <ul style="list-style-type: none"> Reduce the number of household with low food security to 258 (67.72%) in target Increase the number of household with medium food security to 237 (93.31%) in target Increase the number of household with high food security to 42 (33.07%) in target <p><i>% is calculated with target household in each level</i></p>	<p>Progress is stay on in category-2</p> <p>To get progress in this indicator is challenging due to climatic factor emerging more insect pest, drought</p>
	1c	The number of participating households having improved the quality of their diet	<p>Data source :Annual production record from seed and material support household from 4 program communities</p> <p>Method: Prepared simple data collection format, data collected from the program support beneficiaries household and data entry in excel sheet</p>	Not planned in the baseline	<p>400 HHS will report improve in the quality of their diet by establishing new home/ hotel garden for vegetable production</p>	<p>114 HHS reported improve in quality of their diet by establishing 114 new home/hotel garden for vegetable production</p> <ul style="list-style-type: none"> From home garden: 108 HHS From hotel garden : 6 hotel operating HHS 	<p>231 (117 new) household reported improve in quality of their diet by establishing 231 (117 new) home/hotel garden for vegetable production</p> <ul style="list-style-type: none"> Home garden: 213 (105 new) HHS Hotel garden :18 (12 new) hotel operating HHS <p>21 household (5 hotels) growing vegetables in improved green house in extended season (February-September)</p>	<p>350 (119 new for this year) household reported improve in quality of their diet by establishing 350 (119 new for this year) home/hotel garden for vegetable production</p> <ul style="list-style-type: none"> Home garden: 324HHS Hotel garden : 26 (10 new) hotel operating HHS <p>69 (48 new with 4 hotels) household with 9 hotels growing vegetables in improve & simple green house during extended season (January-April to December)</p>	<p>Progress found in category *2.</p> <p>Achievements are reported from participating households who were actively involved in home garden training and receiving seeds and green house support. These HHS have been growing vegetables at least for 5 months in the year (April-Sept). In the past, farmers used to grow very few vegetables such as choto (local radish), pumpkin, brinjal, cucumber only during some summer months (July-Sept). Now, they started growing a number of vegetables in extended time periods.</p>
	9	Improvements in livelihood security within participating communities			<p>Process to assess this to be introduced in 2014-15: <i>Household survey should be done in participating household those who have received orientation and support (seed/green house construction materials and agriculture equipments. FGD also can be done with in cooperatives/groups</i></p>				

* 1 – target met or surpassed, 2 – some progress on target, 3 – little or no progress on target (<15%)

Discussion of progress towards the ultimate outcome “Enhanced food and livelihood security”

1. Overall comments on progress towards the ultimate outcome, based on the above indicators:

• What is the magnitude and extent of the change? Are there differences between regions, communities, types of HH?

In overall, food security level of 279 households reported improving up to the year 2013-14 than in the baseline year 2010-11. These are the poor households of the program communities who had low food sufficiency level (less than 6 months period) from their own production. Due to program support, 279 HHs (22.00%) are able to increase food production sufficient for more than 6 months up to the year 2013-014 from cereal and vegetable production. 237 household have now jumped to medium food sufficiency level (7-11 months) from low food security level and 42 household jumped from medium to high food security level. This indicates the satisfactory level of progress in increasing food security as Humla is more challenging in increasing food production due to limited agricultural land holding and technical support services. Within communities, the higher progress reported from Sarkideu VDC as the land is more suitable for growing agricultural crops and has better irrigation facilities. In Kharpunath particularly in Kharpunath (Kharpelgaun) and Lali (Pyusa village) VDCs, farmers reported increase production of maize crops as it is relatively new and spreading in the area. It is also experienced that there are many other organizations those are providing food grain as a part of their relief program that is diverting communities to work on their farm and produce diversity of crops. It has made them lazy to continue farming and take care of the crops grown.

Regarding improvement in quality of diet, there is significant increase in the production of diversity of vegetables among participating HHs in 2013-014 as compared to baseline year. 324 HHs and 26 hotels among the Karnali Trekking trail established home gardens and reported increase production of vegetables during summer months (April-November) for their own consumption. In the past, they were not aware to produce vegetables and therefore only produce greens during few summer months (July-Sept). For Now a days, diversity of vegetables have been increased significantly and the production season has also been extended (January-November) for HHs who supported small green/plastic houses. Participating HHs in home garden reported significant increase in the availability to consume fresh vegetables in the recent time. They are also preserved some vegetables (Choto, pumpkin, brinjal, tomato) for winter season consumption.

Cabbage, broad leaf mustard, cauliflower, cucumber, onion, tomato, Swiss chard, Chinese cabbage, spinach, broad bean, bean, broad bean, brinjal, okra, bitter gourd, bottle gourd, sweet pepper, Akhabare are the new vegetables crops/varieties extended in the program communities.

During reporting year 2013-014, 79 household sold 3.6 ton surplus vegetables and earned NRs 320825 in local shops that has increased availability of quality foods in local shops/hotels as well. Kharpunath, Lali and Sarkideu communities reported good progress in producing vegetables as they are more interested to receive support from the program.

• What factors might explain the change or lack of change? What is the role of the program strategies vs. other contextual/external factors?

SHIP’s activities particularly the PVS in major crops (Rice, wheat, Maize, millet) and seed kits are increasingly reached to communities and reported directly contributing to increase food production among small holder farmers. Similarly, seed education to increase awareness and skills to value saving own seeds and practice field selection has also contributing positively to maintain and increase food production among program communities despite the general trend of declining production of major crops due to variations and changes in rainfall and temperature as an impact of climate change. Similarly, diversity seeds of vegetables and materials support for green houses are the most referred activities contributed significantly to motivate farmers in increasing production of vegetables in extended season. SHIP’s linkage and coordination with NARC, government farms, other NGOs like LI-BIRD and USC Asia Pokhara has increased to receive support for new crops and varieties to test in PVS and diversity kits. However, SHIP Nepal is well aware to promote local traditional crop by creating awareness, selecting seed and improving its access. Crop improvement also initiated in local maize, paddy, finger millet and wheat.

• What kind of evidence is your assessment based on? Are there any limitations in the data?

We surveyed in 189 households of who had received the major support (technical and materials-seeds, equipment) and discuss with participating communities in 2013-14. The results presented above were the outcome of the survey which is extrapolated to the total program population of 1268HHs. We also reviewed and regular program monitoring data, feedback from the respective cooperatives/CDCs to report as the progress and explain its linkages with SHIP’s activities.

2. Is there any other information or observations (other than the data presented above) that indicate progress towards the ultimate outcome?

In 2013-14, 229 involved in PVS households produced 11.56 tons of cereal (wheat, finger millet and paddy) in 2.51 hectare and 350 household produced 25.53 ton of vegetables in 4.20 hectare of land from all 4 program VDCs.

3. What are the implications (i.e. lessons learned) of these results for future programming?

From this year’s assessment, we learned that planning should be done based on M & E to progress on each indicator and track the result. Linkages of activities from initial year are very important to achieve the result. There is further need to strengthen our present working approach and interventions to effectively mobilize program staffs and community groups/coops to deepen the impact, sustain and own by the communities. So far, we spent most of the time understanding communities, testing crop varieties through PVS and diversity block. From 2014-15, we need to focus in support for more food production activities. We will be able to reach to all households and communities during the remaining period of the program.

II. Intermediate outcome: Enhanced diversity and security of farmer-based seed supply systems

Immediate outcome: Increased availability of diversified seeds and planting materials

No.	Indicator	Data source and method	Baseline (BL) situation	Target for 2015	Actual results	Remarks on progress*
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						2011-12	2012-13	2013-14																																																																																																																																											
Intermediate outcome	2	Number of households having increased their seed security	<p>Data source: Individual household survey in BASE line and mid-term evaluation, in the year 2013-014, data source is record keeping of seed distribution and production record from program beneficiaries of the 4 program communities</p> <p>Method: Household survey checklist prepared, individual household survey, data entry, processing in SSP soft ware and excel sheet</p> <p>Level of seed secured HHs High seed secured HHs: number of household reporting fulfilling their seed requirement from their own farm save seeds Low seed secured HHs: number of household reporting fulfillment of their seed requirement from outside (We revised the category of seed security level from high, medium and low to high seed secured and low seed secured HHs due to ease of reporting)</p>	<p>Cereal High secured: 771 HHs (60.8%) Less secured: 497 HHs (39.2%)</p> <p>Legume High secured: 1210 HHs (95.4%) Less secured: 58 HHs (4.6%)</p> <p>Vegetables High secured: 435 HHs (34.3%) Less secured: 833 HHs (65.7%)</p> <p>Spices High secured: 388 HHs (30.56%) Less secured: 880 HHs (69.44%)</p> <p>Fruits High secured (Self managed for sampling): 232 HHs (18.34%) Less secured (Received from others): 1036 HHs (81.66%)</p>	<p>Seed security in all types of food crops</p> <p>Cereal High secured: 850 HHs (67.03%) Less secured: 418 HHs (32.97%)</p> <p>Legume High secured: 950HHs (74.92%) Less secured: 318 HHs (25.08%)</p> <p>Vegetables High secured: 800 HHs (63.09%) Less secured: 468 HHs (36.91%)</p> <p>Spices High secured: 510 HHs (40.22%) Less secured: 758 HHs (59.77%)</p> <p>Fruits High secured (Self managed for sapling): 650 HHs (51.26%) Less secured (Received from others): 618 HHs (48.74%)</p>		<p>Cereals High secured : 822HHs (64.8%) Less secured : 446 HHs (35.2%)</p> <p>Legume High secured : 945 HHs (74.5%) Less secured : 323 HHs (25.5%)</p> <p>Vegetables High secured: 784 HHs (61.82%) Less secured: 484 HHs (38.18%)</p> <p>Spices High secured: 489 HHs (38.53%) Less secured: 779 HHs (61.47%)</p> <p>Fruits High secured (Self managed for sampling): 503 HHs (39.67%) Less secured (Received from others): 765 HHs (60.33%)</p>	<p>Cereals High secured : 847HHs (66.8%) Less secured : 421 HHs (33.2%)</p> <p>Legume High secured : 945 HHs (74.5%) Less secured : 323 HHs (25.5%)</p> <p>Vegetables High secured: 814 HHs (64.2%) Less secured: 454 HHs (35.8%)</p> <p>Spices High secured: 504 HHs (39.75%) Less secured: 764 HHs (60.25%)</p> <p>Fruits High secured (Self managed for sampling): 560 HHs (44.16%) Less secured (Received from others): 708 HHs (55.84%)</p>	<p>Progress stay on in category *2.</p> <p>Up to this year, 76 household produced wheat, paddy, and finger millet and provided to other 76 household who involved in PVS and seed multiplication. Bean, broad bean hot chilly, broad leaf mustard, brinjal, cucumber, bitter gourd, bottle gourd seed produced and exchanging in the community.</p>																																																																																																																																										
	3a	Number of households having increased the number of crops they cultivate	<p>Data source: Individual household survey in BASE line and mid-term evaluation, in year 2011-12, record keeping of source distribution.</p> <p>Method: Household survey checklist prepared, individual household survey, data entry, processing in SSP soft ware and excel sheet</p> <p>*Clarification: Cereal:-finger millet, panicum millet, foxtail millet, buckwheat, wheat, naked barley, barley, maize, paddy, amaranths (*No 10) Legume:-bean, Soya bean, black gram, horse gram, pea, rice bean (*NO 6) Oilseed:- walnut (soft, hard type), wild peach, seas mum, dhadelo, tilkhuro, rap seed, linseed-(*No 8) Vegetables:- Pumpkin, cucumber, brinjal, local radish-choti, local turnip-koira, radish, carrot, tomato, Swiss chard, cress, broad leaf mustard, cole crops-cabbage, cauliflower, broccoli(*No12)</p>	<table border="1"> <thead> <tr> <th>Crop</th> <th>* No</th> <th>Households</th> </tr> </thead> <tbody> 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We have distributed more 700 seed tuber to 13 household for seed production during reporting year. In next year this source seed will distribute in remaining 87 household to meet the target household.</p> <p><i>Progress cover household is drop in 77% due to rat problem during the crop ripening period in herbal farming</i></p>
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					2011-12	2012-13	2013-14	
	varieties of key crops they cultivate	distribution. Method: Household survey checklist prepared, individual household survey, data entry, processing in SSP soft ware and excel sheet Clarification: This are the target to increase the given number of crop varieties in the given number of target household. For example in finger millet 1 new variety will increase in 75 household in total of base line household 1223. Our program aiming to help HHs diversify of these presented different types of crops. We have added crop varieties growing by the given number of household here for your clearance. We mean, mention crop are growing by given number of household in base line. For example in baseline, in total 6 finger millet varieties are growing by 1223 household and target is to grow additional 1 new varieties of finger millet in 75 household with in the base line household 1223.	of varieties of <u>HHs</u> <u>Cereal</u> Finger millet 5 Panicum millet 3 1130 Wheat 5 1070 Paddy 11 912 Maize 5 565 <u>Legume</u> Bean 11 996 Soya bean 3 733 <u>Vegetable</u> Pumpkin 4 664 Cucumber 2 170 Brinjal 2 533 Potato 2 1066 <u>Spice</u> Chilly 2 860 <u>Fruits</u> Apple 3 Soft walnut 1 Peach 4 <u>Oilseed</u> Walnut 3 Wild peach 1 Wild apricot 1 Rapeseed 1	Finger millet 1 75 Panicum millet 1 50 Wheat 1 30 Paddy 3 150 Maize 2 130 <u>Legume</u> Bean 2 100 Soyabean 1 75 <u>Vegetable</u> Pumpkin 1 100 Cucumber 1 150 Brinjal 1 150 Potato 2 75 <u>Spice</u> Chilly 1 100 <u>Fruits</u> Apple 2 250 Soft walnut 1 150 <u>Oilseed</u> Walnut 2 150 Wild apricot 1 50 Rapeseed 1 50		No of households added new crop varieties in their farm <u>Cereal</u> Varieties HHS Finger millet 1 23 Panicum millet 1 26 Wheat 5 24 Paddy 4 72 Maize 1 5 <u>Legume</u> Bean 2 74 Soya bean 1 74 <u>Vegetable</u> Cucumber 1 117 Tomato 1 171 <u>Spice</u> Chilly 1 15 <u>Fruits</u> Apple 2 160 Soft walnut 1 79 <u>Oilseed</u> Walnut 1 79 Wild apricot 1 40 Rapeseed 1 23	No of households added new crop varieties in their farm <u>Cereal</u> Varieties HHS Finger millet 5 116 Panicum millet 0 40 Wheat 5 134 Paddy 5 200 Maize 2 210 <u>Legume</u> Bean 2 195 Soya bean 1 88 <u>Vegetable</u> Pumpkin 1 101 Cucumber 1 232 Tomato 1 333 Brinjal 2 77 Potato 2 13 <u>Spice</u> Chilly 3 147 <u>Fruits in additional HHs</u> Apple 3 218 Soft walnut 1 217 <u>Oilseed</u> Walnut 1 217 Wild apricot 1 40 Rapeseed 1 35	chilly, apple, soft walnut The progress is due to availability and multiplication exchange of the seed within custodian/seed exchanger farmers. Progress is stay on in category-2 in chino-panicum millet, maize, brinjal and potato, apple, rapeseed, wild apricot. This is gradually going up to meet the base line. The success in production of rape seed is difficult due to high rain fall during crop growing and low temperature at seed ripening time. In potato crop, more crop damage due to high rain fall emerging late blight and seed availability is minimum from NARC. Farmer do not accept to grow wild apricot in some area.

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And progress presented in category-1 except pumpkin. It is remain in category *3. The progress will be in next year.</p> <p>To achieve the progress, we coordinate with NARC-National Agriculture Research Council and Libird-Local initiative for biodiversity conservation and development organization for PVS, seed multiplication and exchange with in the community. According to community people demand, we added some new vegetable crops. Beside adding new crop varieties, we started to improve the seed of local land races in wheat, maize, paddy, finger millet and panicum millet through mass selection for better crop production. Farmers are trying to produce the seed of imported local vegetables and succeed in chilly, brinjal, tomato, broad leaf mustard. Since the varieties of potato increase in very few household, they will produce the seed and will exchange with in community in coming year.</p>
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No.	Indicator	Data source and method	Baseline (BL) situation	Target for 2015	Actual results			Remarks on progress*		
					2011-12	2012-13	2013-14			
				Wild peach Rapeseed other HHs	2 maintain 1 extend in		Rapeseed 1 added in new HHs	increase Wild peach Rapeseed	2 maintain 1 added	

Progress category:* 1 – target met or surpassed, 2 – some progress on target, 3 – little or no progress on target (<15%)

Discussion of progress towards the intermediate outcome “Enhanced diversity and security of farmer-based seed supply systems” and the immediate outcome “Increased availability of diversified seeds and planting materials”

1. Overall comments on progress towards the outcomes, based on the above indicators:

• What is the magnitude and extent of the change? Are there differences between regions, communities, types of HH?

The study result shows that there is significant progress in number of household who started saving own seed in vegetable crops than the baseline year. Up to the year 2013-014, regarding seed security, data collection were done comparing with seed provider and seed receiver household from PVS and seed producer household who have got the foundation/improve seed from SHIP Nepal. The number of improve seed producer household being increased after they preferred the exported seed in cereal and vegetable developed from NARC-national agriculture research council government of Nepal. It has indicated that our seed education training and awareness activity helped to increase seed security has been seen effective in these crops. In the past, farmers were not aware about growing much vegetables and also fruits in these communities. Now a day, there is a remarkable progress on growing these crops and self managing seeds. Number of variety in finger millet, paddy, wheat and maize including vegetable crops has been added as new crop variety and the number of growing household is increasing relatively. Land race improvement in wheat at durpa of Kharpunath; in maize in Pyusa of Lali, in finger millet at Gopka of Lali, in rice at Raya of Raya VDC also support to multiply, exchange the seed within the community. The number of household saving the seed of newly introduced cucumber bottle guard, bitter gourd, akhabare (hot chilly), tomato, brinjal, bean, soya bean, broad bean, broad leaf mustard, cress, coriander varieties of crop seed started to produce for coming generation has been increased.

• What factors might explain the change or lack of change? What is the role of the program strategies vs. other contextual/external factors?

Awareness to promote home garden and support of diversity seed kits and materials has played important role to realize importance of growing vegetables and saving seed for next year. In fruit crop particularly in Apple, farmers have seen the future possibility of earning income from growing this crop when program oriented and supported for saplings. Now farmers themselves have started searching fruit sapling and growing in their farm with care. Seed education with particular focus on selection and saving from own farms, identifying and mobilizing local custodian farmers to improve seed saving and exchange have contributed to manage a resilient seed system locally despite the general trend of increase dependency in major crop seed to development organizations in recent time. Diversity seed kits, local seed collection, establishment of biodiversity blocks, land race improvement and PVS are contributing activities to promote seed security in the communities. Among challenges seen increasingly with changes in temperature and precipitation patterns, more insect pest during crop growing period and more rainfall during seed ripening time were more referred factors affecting seed quality and its security in the program communities.

• What kind of evidence is your assessment based on? Are there any limitations in the data?

The result presented in the table above was derived from the survey made on 366 households in 2012-13. In the year 2013-014, number is slightly changed through review of program supported documents. We also combined used some of the relevant monitoring data/ information as well as community perception and observations of the program staffs.

Is there any other information or observations (other than the data presented above) that indicate progress towards the outcomes?

Up to the year 2013-014, 189 household were involved in PVS activity of cereal crops. Up to this year 675 kg of maize, paddy, wheat, finger millet, rape seed, barley seed collected and distributed to 275 household. In vegetable crops, 80 custodian, seed saver, leader farmers started to conserve, improve and select the seeds of broad leaf mustard, cress, tomato, bottle gourd, cucumber, pea, broad bean, bean, coriander, bitter gourd, cucumber, hot pepper. One cooperative of Kharpunath involved improving local pabai variety of wheat crop; Two cooperatives of Lali community started pyusale short duration maize variety & two finger millet varieties (dalya & lapchya) and one cooperative of Raya community involved to improve one variety (chhomrong) of paddy crop through mass selection. Locally selected 40 kg of finger millet seed distributed 10 poor cast (dalit) for increase diversity and food production.

2. What are the implications (i.e. lessons learned) of these results for future programming?

From the experiences, we learnt that program should integrate activities such as awareness, seed education, diversity seed kits and community seed multiplication, land race improvement and exchange mechanisms to develop resilient seed system and promote crop diversity on farm. Our program has all these activities however still need to consolidate to achieve the achievement set. Crop deployment through PVS, diversity kits home garden promotion, and land race improvement are the effective approach tested and promoted in the program. However, community roles in seed conservation, multiplication and exchange still realized to increase for its wider impact.

II. Intermediate Outcome: Improved food crop and biomass productivity on-farm

Immediate Outcome: Increased availability of productive land resources

No.	Indicator	Data source and method	Baseline situation	Target for 2015	Actual results			Remarks on progress*																																																																																										
					2011-12	2012-13	2013-14																																																																																											
Intermediate outcome	7	<p>Number of households having increased the yield of key crops</p> <p>Data source: Individual household survey in BASE line and mid-term evaluation. In the year 2013-014, data source is from record keeping of seed distribution in program beneficiaries of the 4 program communities</p> <p>Method: Household survey checklist prepared, simple production data collecting format prepared and survey of individual household, data entry, processing in SSP soft ware and excel sheet</p> <p>We receive some progress in the year 2013-14 annual outcome analysis report. We gave the major focus in major household who have participated in PVS, seed multiplication and land race improvement.</p>	<table border="1"> <thead> <tr> <th rowspan="2">Key crop</th> <th rowspan="2">Average yield (t/ha)</th> <th colspan="2">No of HHs reported average and above yield</th> </tr> <tr> <th>Actual</th> <th>Extrapolated</th> </tr> </thead> <tbody> <tr> <td>Finger millet</td> <td>2.04 (320)</td> <td>215</td> <td>852</td> </tr> <tr> <td>Pannicum millet</td> <td>2.0 (338)</td> <td>222</td> <td>833</td> </tr> <tr> <td>Wheat</td> <td>2.61 (293)</td> <td>122</td> <td>528</td> </tr> <tr> <td>Buckwheat</td> <td>2.07 (269)</td> <td>84</td> <td>396</td> </tr> <tr> <td>Rice</td> <td>2.23 (235)</td> <td>101</td> <td>545</td> </tr> <tr> <td>Maize</td> <td>2.49 (162)</td> <td>63</td> <td>493</td> </tr> <tr> <td>Barley</td> <td>2.01 (65)</td> <td>22</td> <td>429</td> </tr> <tr> <td>Necked barley</td> <td>2.17 (291)</td> <td>96</td> <td>418</td> </tr> <tr> <td>Bean*</td> <td>1.67 (314)</td> <td>139</td> <td>561</td> </tr> <tr> <td>Potato*</td> <td>3.73 (275)</td> <td>132</td> <td>609</td> </tr> </tbody> </table> <p>*grown as mix crops</p>	Key crop	Average yield (t/ha)	No of HHs reported average and above yield		Actual	Extrapolated	Finger millet	2.04 (320)	215	852	Pannicum millet	2.0 (338)	222	833	Wheat	2.61 (293)	122	528	Buckwheat	2.07 (269)	84	396	Rice	2.23 (235)	101	545	Maize	2.49 (162)	63	493	Barley	2.01 (65)	22	429	Necked barley	2.17 (291)	96	418	Bean*	1.67 (314)	139	561	Potato*	3.73 (275)	132	609	<p>At least 190 household will report increase in the yield of key crops</p>	<p>95 household reported having increased the yield paddy and maize from program support (seed selection, new seed in paddy and management practices)</p>	<table border="1"> <thead> <tr> <th>Key crop</th> <th>Average yield (t/ha)</th> </tr> </thead> <tbody> <tr> <td>Finger millet</td> <td>1.99</td> </tr> <tr> <td>Pannicum millet</td> <td>1.82</td> </tr> <tr> <td>Wheat</td> <td>2.30</td> </tr> <tr> <td>Buckwheat</td> <td>1.92</td> </tr> <tr> <td>Rice</td> <td>1.87</td> </tr> <tr> <td>Maize</td> <td>2.09</td> </tr> <tr> <td>Barley</td> <td>1.83</td> </tr> <tr> <td>Necked barley</td> <td>2.16</td> </tr> <tr> <td>Bean*</td> <td>1.51</td> </tr> <tr> <td>Potato*</td> <td>3.35</td> </tr> </tbody> </table> <p>*grown as mix crops</p> <p>Among 180 HHs participated in maize, paddy, wheat and finger millet PVS, 152 HHs reported having increased the yield of these key crops</p>	Key crop	Average yield (t/ha)	Finger millet	1.99	Pannicum millet	1.82	Wheat	2.30	Buckwheat	1.92	Rice	1.87	Maize	2.09	Barley	1.83	Necked barley	2.16	Bean*	1.51	Potato*	3.35	<table border="1"> <thead> <tr> <th>Key crop</th> <th>Average yield (t/ha)</th> </tr> </thead> <tbody> <tr> <td>Finger millet</td> <td>2.28</td> </tr> <tr> <td>Pannicum millet</td> <td>1.99</td> </tr> <tr> <td>Wheat</td> <td>2.93</td> </tr> <tr> <td>Buckwheat</td> <td>2.06</td> </tr> <tr> <td>Rice</td> <td>2.95</td> </tr> <tr> <td>Maize</td> <td>2.56</td> </tr> <tr> <td>Barley</td> <td>2.14</td> </tr> <tr> <td>Necked barley</td> <td>2.37</td> </tr> <tr> <td>Bean*</td> <td>1.64</td> </tr> <tr> <td>Potato*</td> <td>2.61</td> </tr> </tbody> </table> <p>*grown as mix crops</p> <p>Among 189 HHs participated in maize, paddy, wheat and finger millet PVS, 172 HHs reported having increased the yield of these key crops</p>	Key crop	Average yield (t/ha)	Finger millet	2.28	Pannicum millet	1.99	Wheat	2.93	Buckwheat	2.06	Rice	2.95	Maize	2.56	Barley	2.14	Necked barley	2.37	Bean*	1.64	Potato*	2.61	<p>In overall progress in finger millet, panicum millet, wheat, rice, maize, barley and naked barley is in category -2, progress in panicum millet, buckwheat, bean and potato is in category-3</p> <p>Progress in the year 2013-014, finger millet, wheat, rice, maize, barley and naked barley production is slightly increases due to support of improve variety in finger millet, wheat, rice and maize and seed selection practice. Panicum millet, buckwheat, bean and potato productivity could not meet in base line due to high rainfall in potato emerged late blight and wild animal problem. In buckwheat and bean some time high rainfall at flowering and maturing time.</p>
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8a	<p>Number of households harvesting forage or fodder from their fields.</p> <p>Data source: Individual household survey in BASE line and mid-term evaluation. In the year 2013-014, data source is focus group discussion in each cooperatives</p> <p>Method: Household survey checklist prepared, and individual household interview. Simple data collection format prepared for focus group discussion regarding data collection, data entry, processing in SSP soft ware and excel sheet</p>	<p>909 HHs (71.64%) harvesting grass/ forage from their own field</p>	<p>675 HHs will report increase in the amount of forage, grass harvesting from their field</p>	<p>433 HHs (34.71%) reported increase in the amount of forage, grass harvesting from their field</p>	<p>626 HHs (49.36%) reported increase in the amount of forage and grass harvesting from their field</p>	<p>678(53.47%) HHs reported increase in the amount of forage and grass harvesting from their field</p>	<p>At looking base line indicator, the support will take 4-6 years to report the result. To meet the result of base line, present support in progress is in category-1</p> <p>Promotion of varieties of maize, finger millet and paddy with good biomass has contributed to increase crop by products and biomass</p>																																																																																											

	No.	Indicator	Data source and method	Baseline situation	Target for 2015	Actual results			Remarks on progress*
						2011-12	2012-13	2013-14	
	8b	Number of households harvesting timber or fuel wood from their fields	<p>Data source: Individual household survey in BASE line and mid-term evaluation. In the year 2013-014, data source is document review of source distribution of fruit/fodder sapling, ICS, safe family toilet construction materials.</p> <p>Method: During base line and mid-term evaluation, household survey checklist prepared, and done individual household interview, data entry, processing in SSP soft ware and excel sheet. In the reporting year 2013-014 simple data collection format prepared for FGD conducted regarding data collection, document review and data entry, processing in excel sheet</p>	737 (58.08%) households harvesting fuel wood from their fields	<p>250 additional HHHs in total base line HHHs 737 will harvest fuel wood from their field in total 737 baseline household</p> <p>675 household environment and health and sanitation will improve</p>	44 HHHs have transplanted 1164 fruit and fodder trees	204 HHHs have transplanted 2142 fruit and fodder trees	<p>334 HHHs have transplanted 4352 fruit and fodder trees</p> <p>611 household reported improve in health and household environment through use of toilet and ICS installation through support of this year activities.</p>	<p>The progress expect in category-1</p> <p>SHIP orientations has seem good output to educate farmers and applying FYM in a better way including compost making, crop management and insect pest identification and minimization through using traditional method and insect pest repealing bio-liquid.</p>
Immediate outcome	5	Number of households having increased the land capability or soil quality of their agricultural lands	<p>Data source: Individual household survey in mid-term evaluation. In the year 2013-014, data source is document review, small FGD regarding activity support program beneficiaries.</p> <p>Method: During mid-term evaluation, household survey checklist prepared, and done individual household interview, data entry, processing in excel sheet. In the reporting year 2013-014 simple data collection format prepared and FGD conducted regarding data collection, document review and data entry, processing in excel sheet</p>	Not planned in base line	<p>200 HHHs will report increase in soil fertility/quality due to adoption of FYM improvement and</p> <p>Clearance on comment</p> <p>FYM- Farm Yard Manure-cow, buffalo, goat, sheep dung. SHIP N facilitating in improvement and proper use method of the animal dung for maintain better nutrient to increase crop production.</p>		<p>561 HHHs (44.28%) reported improvement in their practice of applying FYM and compost in the field to protect from nutrient loss</p> <p>90 HHHs received small irrigation support to grow better crops in 2.25 hectares area</p>	<p>669 (52.76%) HHHs reported improvement in their practice of applying FYM and compost in the field to protect from nutrient loss</p> <p>Additional 108 HHHs reported making compost through use of biomass in their field</p> <p>60 HHHs reported improvement and use practice of shed and FYM-farm yard manure</p> <p>84 HHHs reported to aware about insect pest and practicing organic method to minimize insect pest</p> <p>152 HHHs reported better crop yield from use of small irrigation, seed, orientation training through seed selection and crop management-insect pest, FYM management practice in cereal crops in 4.76 hectare area.</p>	<p>Progress is found in category-2</p> <p>SHIP orientations have seem good output to educate farmers and applying FYM in a better way and support of small irrigation facilities.</p>

Progress category:* 1 – target met or surpassed, 2 – some progress on target, 3 – little or no progress on target (<15%)

Discussion of progress towards the intermediate outcome “Improved food crop and biomass productivity on-farm” and the immediate outcome “Increased availability of productive land resources”

1. Overall comments on progress towards the outcomes, based on the above indicators:

• What is the magnitude and extent of the change? Are there differences between regions, communities, types of HH?

Productivity of selected key crops of cereals (finger millet, wheat, naked barley, paddy, maize) and legume (bean) and vegetable (potato) has been presented in the table above. However, we found out significant errors in the baseline responses, much more than in the mid-term while reviewing both the data sets. In this reporting year, we recorded the data with those household who have received the support and involved in the training/orientation. While asking with 189 farmers who participated in PVS (maize, paddy, wheat and finger millet) in 2013-14, 172 (91.01%) out of 189 total household involved in PVS reported yield increased in these crops. Yield increments in those crops are due to use of new seeds received in the PVS and also the good climatic year in 2012-13. Yield of panicum millet, buckwheat, bean and potato (ton per hectare) is low in the area than in usual mono crops, however in a good level in mix cropping system as practice in Humla. Farmers are growing Potato as mix crops with many other crops such as maize, millet, bean, Foxtail millet, and pumpkin and so on. Beans are also commonly grown as mix crops during summer. The diversity of crops harvested and the overall food production from per unit area seems quite high in Humla that needs to estimate further. Yield of potato crop yield increment is found more at Kharpelgaun in maize crop, finger millet in lali, Raya, ripa and Unapani. Whereas paddy yield was reported increased at Lali, Raya, Ripa and Unapani due to PVS interventions.

Up to the reporting year 2013-14, 626 HHs (49.36%) households increased in the amount of forage and crop by products from their farm land than in the mid-term evaluation year. It is due to promotion of varieties of finger millet, wheat, maize, and paddy with good biomass as by products. Increase amount of fuel wood harvesting will take some more (4-5) years to report as we promoted plantation of fruit saplings and agro forestry plant species. With regards to the progress on indicator 5, we had no baseline to compare however, reported good progress than before. Due to our training, education and supports, additional 108 HHs reported making compost through use of biomass in their field, 60 HHs reported improvement and use practice of shed and FYM, 84 HHs reported to aware about insect pest and practicing organic method to minimize insect pest; 152 HHs reported better crop yield from use of small irrigation, seed orientation training through seed selection and crop management practice in cereal crops and more than 1200 animals (sheep/goat, cow) of 4 VDCs able to get easy drinking water facility on the way of Unapani Gusha of Sarkideu VDC during up and down while migration from low land to up-land in dried period including rainy season. They now don't spread the manure in the ground rather piled up in few areas. The information and data presented here includes document review, monitoring records and farmers perceptions and staffs observations.

• What factors might explain the change or lack of change? What is the role of the program strategies vs. other contextual/external factors?

It is difficult to explain the trend in productivity of key crops and explain the factors due to errors in the data. In the year 2013-014, data presented in table from the household who participated in PVS reported a good positive result of increase yield in finger millet, paddy, maize, wheat, barley key crops. The referred contributing factor was a new variety, good seed and also the favorable climatic conditions to grow these crops in 2013-14. Our orientation to educate about seed selection, crop enhancement and seed multiplication with support of foundation seed of cereals, support for small irrigations also have positively contributed. Technology support, improving coordination with government and non government organization for information sharing, getting crop varieties and testing on farm are some of the strategies that we adopted to bring change. Community demand is high for improve cereals and vegetables seeds. On the other side, occurrence of insect pest reported increasing in crops than in the past as an effect of increasing trend of variations in temperature as well as in the forms and patterns of the precipitation. Both are the factors that causes low crop yield to explain as reported in case of panicum millet, buckwheat, bean and potato in the year 2013-014. More rainfall during flowing and harvesting period of these crops reported producing low amount and quality grains of panicum millet, buckwheat and bean. In case of Pannicum millet, high incidence of stem borer was observed causing low crop yield in recent years. Similarly, Potato production is decline due to high rain fall caused late blight.

• What kind of evidence is your assessment based on? Are there any limitations in the data?

The information provided in the year 2013-014 are data collection from program supports household individual interview, small FGD in each cooperative and field observations. As reported in the year 2012-013 above, we rethought about this, and did small focus group discussion in each program support community and household interview were done with seed and technical support household.

Is there any other information or observations (other than the data presented above) that indicate progress towards the outcomes?

In the reporting year 2013-014, 189 households produced 11.56 tons of cereal (wheat, finger millet and paddy) in 2.51 hectare and 350 household produced 23.13 ton of vegetables in 3.54hec of land from all 4 program communities.

4. What are the implications (i.e. lessons learned) of these results for future programming?

Up to the year reporting year, 2013-014, 334 household involved in plantation of agro-biodiversity plants of 4352 fruit and fodder tree plants. Out of 4352, 65% are fruit (apple, soft walnut, wild apricot, peach). Among the fruit plantation household, in case of fruit plant, 50% found in live. According to farmers' method, they planted nearly 20 saplings in 500 square meter of land. When these 50% (2176 out of 4352) fruit fodder tree survived and grew, 5.44 hectare soil will be conserved through checking soil erosion after 4 to 5 years. Plantation of 1523 pipal, Salix branch cutting is done at Gusha of Sarkideu VDC along the steep stream and few farmers transplanted these plant branch in around the fruit plantation area and stream side where soil erosion problem is sever. 8 fruit/fodder nurseries have established at 6 locations of 3 program communities (Sarkideu, Lali and Kharpunath).

• What are the implications (i.e. lessons learned) of these results for future programming?

Some of the current program strategies such as PVS and distribution of diversity kit for home garden promotion appear to be effective in SHIP Nepal program areas. In light of increase temperature, rainfall and new crop pests, we need to adopt strategy that help to farmer's capacity to identify, develop and promote more climate resistant crop varieties in the farming system as well as adapt/cope effectively to without any reduction in food production. Farmer's cooperatives/group needs to strengthen their capacity for crop selection, improvement, community seed production. Community awareness and actions is important to adopt climate change impacts on food production. Promotion of fruits such as apple, walnut also helps to cope with the situations. Livestock base activities need to implement in future to diversity the livelihood strategies of the farming communities and increase income from livestock production. Support in breeding management, feeding management and livestock health need to incorporate in the program.

III. Intermediate outcome: Improved economic security

Immediate outcome: Enhanced opportunities to engage in income generation

	No.	Indicator	Data source and method	Baseline situation	Target for 2015	Actual results			Remarks
						2011-12	2012-13	2013-14	
Intermediate outcome	10	Number of HHs reporting an increase in household income from agricultural biodiversity products	<p>Data source: Individual household survey in base line and mid-term evaluation, In the year 2013-014, data source is document review, small FGD with program support beneficiaries in each cooperative.</p> <p>Method: During base line and mid-term evaluation, household survey checklist prepared, and done individual household interview, data entry, processing in excel sheet. % of income source is derived from total 1268 population household and increasing income source and icnome household is derived from total target HHs</p>	<p>Number of households reporting income sources</p> <p>Income source No of HHs Agricultural biodiversity: 321 (25.29%) Livestock diversity : 390 (30.73%) Forest diversity : 752 (59.31%)</p> <p><i>Income source in above heading are explain as given below:</i></p> <p>Agriculture diversity Selling of vegetable, fruit, cereal grain</p> <p>Livestock diversity Selling of chicken, egg, goat, sheep, ghee, milk</p> <p>Forest diversity Mushroom, medicinal herb</p>	<p>Number of households reporting income sources (including base line)</p> <p>Income source No of HHs Agricultural biodiversity: 475(37.46%) Livestock diversity : 425(33.52%) Forest diversity : 800(63.09%)</p> <p>Additional 254 (20.03%) will increase in household income from given biodiversity product after support from SHIP Nepal activities.</p> <p>Income increase No of HHs Agricultural biodiversity: 100(39.37%) Livestock diversity : 54(21.26%) Forest diversity : 100(39.37%)</p>	<p>Additional 95(37.40%) household reported increased in household income from agricultural biodiversity products</p>	<p>Number of households reporting income sources up to the reporting year 2012-013</p> <p>Income source No of HHs Agricultural biodiversity: 365 (76.84%) Livestock diversity : 267 (62.82%) Forest diversity : 778 (97.00%)</p> <p>To meet the target, 118(46.45%) household increased from given biodiversity product from SHIP N support activities</p> <p>Income increase No of HHs Agricultural biodiversity: 43(36.44%) Livestock diversity : 10(8.47%) Forest diversity : 65(55.08%)</p>	<p>Number of households reporting income sources up to 2013-014</p> <p>Income source No HHs(%) Agricultural biodiversity: 450 (94.74%) Livestock diversity : 367(86.35%) Forest diversity : 510 (63.75%)</p> <p>Up to the reporting year :</p> <p>78 (78%) household reported increased in household income from agricultural biodiversity products</p> <p>25 (46.30%) household reported increased in household income from livestock biodiversity products</p> <p>76 (76%) household reported increased in household income from forest biodiversity products</p>	<p>Progress stay base line and t</p> <p>Vegetable farmi trend due to hor the progress.</p> <p><i>In agriculture di selling vegetabl income from sel diversity, incom other medicinal fund in loan</i></p>
	11	Number of HHs where women are generating an income from agro biodiversity-based activities	<p>Data source: Data source is document review, small FGD with program support beneficiaries in each cooperative.</p> <p>Method: FGD checklist prepared regarding data collection, conducted FGD regarding income generating activities (<i>no of household who are involved in vegetable, fruit, medicinal herb, chicken, ghee, egg</i>) in each cooperative, review of document and data entry, processing in excel sheet</p>	<p>129 household reported generating income from women led agro biodiversity-based activities</p>	<p>In total reported male and female household at least, 127 additional will generate income from women led agro biodiversity-based activities</p>	<p>38 (29.92%) additional household reported generating income from women led agro biodiversity-based activities</p>	<p>72 (56.69%) (additional 34-26.77%) household year reported generating income from women led agro biodiversity-based activities</p>	<p>102 (80.31%) (additional 30-23.62%) household reported generating income from women led agro biodiversity-based activities</p>	<p><i>Progress stay o target of 2014-0</i></p> <p>Increased numb is mainly due to support activitie</p>
	12	Number of HHs who transforms agricultural		Not included in baseline		None	None		

No.	Indicator	Data source and method	Baseline situation	Target for 2015	Actual results			Remarks
					2011-12	2012-13	2013-14	
13	products to sell Number of farmer groups with improved capacity to engage with markets (disaggregate by women's, men's and mixed groups)	Data source: Data source is from document review, small FGD with program support beneficiaries in each cooperative. Method: FGD checklist prepared regarding data collection, conducted FGD in each cooperative, review of document and data entry, processing in excel sheet	Small scale enterprises In the total 59 hotel/retailer shops, their capacity remain in the given status: Status: No of hotel in the status Good: 12 Medium : 20 Poor: 27 In total 12 tailoring services; their capacity remain in the given status Status: No of hotel in the status Good : 6 Medium : 6 Poor : In total 14 other services (ironsmith, utensil making, their capacity remain in the given status: Status: No of other services Good : 0 Medium : 0 Poor : 14 In 5 agriculture mixed coops and 3 mixed groups; their capacity remain in the given status Status: No of coop/groups Good : 1 Medium : 4 Poor : 3	Small scale enterprises 15 hotel/retailer shops capacity will be increased the in the given status: Status: No of hotel/retailer shop Good: 4 from medium status Medium : 11 from poor status Poor: 16 remain in poor status from 27 2 additional tailoring status services will be improved Status: No of tailoring Good: 2 from medium status Medium : 4 Poor: 0 14 ironsmith, utensil making capacity/status will be improved in the given status Status: No of other services Good: 0 from medium status Medium : 14 medium from poor status Poor: 0 7 agriculture mixed coops and 2 groups capacity will be improved in the given status: Status: No of coop/group Good: 4 (3 additional will be good from medium) Medium : 5 (3 will be medium from poor) Poor: 3	Three groups(Thali, Yangchu and Taklabamta) dropped 2 news groups added (Ripa of sarkideu and, Gopka of Lali VDCs)	Small scale enterprises 8 hotel capacity improved the in the given status: Status: No of hotel Good: 3 from medium Medium : 5 from poor Poor: 23 remain in poor 2 tailoring status services will be improved Good: 2 from medium status Medium : 4 remain in medium status Poor: 0 8 ironsmith, utensil making capacity/status will be improved in the given status Good: 0 from medium Medium : 8 medium poor Poor: 0 7 farmers cooperatives and 2 groups improved their capacity to engage with markets Status: No of coop/group Good: 2 Medium: 7(3 added from poor) Poor: 0	Small scale enterprises 14 hotel capacity improved the in the given status: Status: No of hotel Good: 5 from medium Medium : 9 from poor Poor: 17 remain in poor 2 tailoring status services will be improved Good: 2 from medium status Medium : 4 remain in medium status Poor: 0 14 ironsmith, utensil making capacity/status improved in the given status Good: 0 from medium Medium : 14 medium poor Poor: 0 8 farmers cooperatives and 1 female group improved their capacity to engage with markets Status: No of coop/group Good: 3 (1 from medium) Medium: 6 (improving in progress) Poor: 0	In overall, prog Criteria for rank poor: 1. Regular meeting 2. Proper and 3. Regular coll 4. Good mobil timely pay b 5. Interest and generation 6. Interest and activities Group initiatives started. However started selling a

Progress status* 1 – target met or surpassed, 2 – some progress on target, 3 – little or no progress on target (<15%)

Discussion of progress towards the intermediate outcome “Improved economic security” and the immediate outcome “Enhanced opportunities to engage in income generation”

1. Overall comments on progress towards the outcomes, based on the above indicators:

• What is the magnitude and extent of the change? Are there differences between regions, communities, types of HH?

As reported in the mid-term survey results have shown the positive progress in number of HHs reporting agriculture biodiversity as income source. Up to the reporting of the year 2013-014, 78 (78%) household reported increased in household income from agricultural biodiversity products; 25 (46.30%) household reported increased in household income from livestock biodiversity products and 76 (76%) household reported increased in household income from forest biodiversity products.

Program activities particularly promotion of vegetable production in the home and hotel garden has directly contributed for such a change even though it is small. Some of the farmers who are producing surplus vegetables in the home garden have started to sell in local hotels, sarkighat and also in Simikot. Additionally, apple cultivation has in recent time where program is also supporting to make available the saplings. Due to program awareness on marketing, people who have few apple trees started selling fruits locally and Simikot in these days. Before, they hesitate to sell who have few apple trees. SHIP's activities have also referred contributed indirectly to maintain income from forest biodiversity due to awareness and education to sustainable harvesting. On the other hand, number of farmers who reported earnings from livestock and its products and forest diversity reported decreasing in 2013 -14 than in baseline year. In community discussion and observations, it is noted that there is increased incidence of livestock disease and also parasites in livestock animals and poultry birds causing low productivity with increased rate of mortality. Among these small holders, chicken is one of the good income source however frequency of disease appearance has increased that has increased risk of farmers for chicken rearing like before. To minimize the disease spreading in open grazing system, SHIP Nepal has started keeping poultry in case system including saving the vegetable from chicken.

SHIP's program has more women focus in its nature. It was also reported that Increased number household who reported earnings from agro-biodiversity are mainly due to women led home garden activities. They are producing vegetables and some of them started selling some surplus. Among 350 home garden participants, 79 HHs reported selling some surplus vegetables and able to earn Rs 3, 20,825.00 in 2013-14. Farmers from all program communities/villages reported earnings after selling surplus 3.6 ton of vegetables. With regards to improved capacity of farmers groups/ coops, during reporting year, one cooperative established in Lali of Lali communities. Their capacity has been gradually improved to mobilize groups and establish necessary linkage and coordination to seek support services. However, they are still poor in organizing production and engage themselves in marketing of surplus farm and off farm produces. So far, marketing has been happened due to individual effort in all program VDCs. It is interesting to note that local hotels have improved production of vegetables and are offering greens for costumers during summer season.

• What factors might explain the change or lack of change? What is the role of the program strategies vs. other contextual/external factors?

Our program activities have directly supported to increase income from home garden activities even though the scale is small. Home garden, fruit garden promotion and chicken keeping in case system are more effective for raising income. Women including poor are more actively engaged in these activities as these are their domain of production at households. Program activities such as orientation, training, seeds, materials and technical supports have increased skills and level of motivation among farmers to produce and sale vegetables and fruits. Other factors such as communication, expansion of local market in simikot are also playing role for this positive change. We have strategy to promote farmer's cooperatives and enhance their capacities through training and support to expand the positive change further.

• What kind of evidence is your assessment based on? Are there any limitations in the data?

The result presented in the table above was derived from the cooperative document review of 8 coop/1 group and FGD in each coops/group in the column year 2013-14. We also combined used some of the relevant monitoring data/ information as well as community perception and observations of the program staffs.

2. Is there any other information or observations (other than the data presented above) that indicate progress towards the outcomes?

In the column year 2013-014, SHIP Nepal has registered one additional cooperative with member of 58 households in 2013-14 reaching 8 cooperatives and 1 groups functionally working with the program. There are 451 households with 459 members including 237 women. From program support, 14 iron smith supporting HHs reported average annual income of about NRs. 24,500 in 2013-14. This amount is converted from grain. Eight coops and one groups reported total amount of group fund (monthly saving, share and seed money) of NRs is 21, 91,210 in 2014-14. Out of total amount, 1,351,932 have been mobilized as soft loan among 52 households including 16 women household. 7 cooperatives expensed NRs 3, 03,311.00 for organizational management and proposal writing and 6 cooperatives of Kharpunath, Raya, Lali & Sarkideu returned interest Rs. 1, 32,636.00 to their member during 4 years periods. Remaining Rs. Is cash balance in bank and village? It indicates institutional empowerment of community groups and coops. Out of 52 loan taker household, 16 women household used loan to establish chicken keeping structure improvement, improved greenhouse establishment and other income generating activities (establishment of small enterprises, fruit orchard, and home garden).

3. What are the implications (i.e. lessons learned) of these results for future programming?

The strategy so far adopted seems to be appeared effective, however still realized need to strengthen the capacity of farmers groups/coops to mobilize communities in production and organize local production for sale. Groups saving fund is the important financial resource to support poor communities. However, effective mobilization of community group saving fund in income generation activities and its monitoring at group and program level realize to strengthen further to have a greater impact. These rural farmers' institutions needs orientation to broaden their perspective for market oriented strategies to promote agricultural farming.

IV. Intermediate outcome: Increased influence of women's knowledge, priorities and leadership

Immediate outcome: Increased opportunities for women to access resources and benefits in USC programs

	No.	Indicator	Data source and method	Baseline situation	Target for 2015	Actual results			Remarks on progress*
						2011-12	2012-13	2013-14	
Intermediate outcome	15	Number of women and men in leadership positions (disaggregate by women's, men's and mixed farmer groups)	Data source: Data source is from document review, FGD with program support beneficiaries in each cooperatives and CDCs Method: FGD checklist prepared regarding data collection, conducted FGD in each cooperative, CDC, review of document and data entry, processing in excel sheet	Leadership Women(%) Men(%) In 5 coop 9(21.43%) 33(78.57%) In 3 group 5(20.83%) 19(79.17%) In 4 CDC 9(23%) 30(76.92%) <i>Community Development Committee (CDC) main body of the program area organized at the time of program lunched at the time of SHIP N started the work in the area. There are 4 CDC in one program community (VDC). The main role of the CDC is support in program planning, implementation, supervision.</i>	At least 21 women will increase in leadership and management position in cooperatives groups & CDC <i>In total of leadership position 23 women in base line, 21 more women will establish in leadership position in both cooperatives/CDC</i>	Leadership Women(%) Men(%) In 5 coop : 14(24.56%) 43(75.44%) In 3 groups: 9(26.47%) 25(73.53%) In CDC same as in baseline Three groups(Thali, Yangchu and Taklabamta) dropped 3 news groups added (Ripa of sarkideu and, Gopka of Lali VDCs)	Leadership Women(%) Men(%) In 7 coops: 24(29.63%) 57(70.37%). In 2 groups: 7(30.43%) 16(69.57%) In 4 CDC : 19(38%) 31(62%) One new groups added at Lali	Leadership Women Men In 8 coop : 32(44.44%) 40(55.56%) In 1 group: 9 (100%) 0(0%) In 4 CDC: 19(38%) 31(62%) One group registered in Cooperative at Lali, one women group functional at Karanga of Raya	Progress found in category-1 as compare to the base line Workshop, training and women support activities and review in group/cooperative and CDC. <i>39 women is greater than target in leadership and management position in coop/group and community development committee.</i>
Immediate outcome	14	Number and % of female participants in USC-sponsored programs	Data source: Document review Method: Review of document and data entry, processing in excel sheet	Out of 207, 106 (34.53%) were women members organized in program supported groups and coops 465 (36.6%) were women participants in program activities (training/workshop, meetings in 2010-11	Out of total supported at least, 50% of the participants in the USC-sponsored programs are female as compare to male participants in program activities <i>Yes, out of total supported household/participants in program</i>	320 (50.23%) were women participants in training/ workshops/ meetings organized by program	Out of 431, 210 (48.72%) were women members organized in program supported groups and coops Out of 1090, 593, (54.40%) were women participants in training/ workshops/meetings comparing with male 497	Out of 451, 237 (52.54%) were women members organized in program supported groups and coops with male 214. Out of 1090, 593, (54.40%) were women participants in training/ workshops/meetings comparing with male 497	Progress found in category-1 as compare to the base line To achieve this progress, regular annual review regarding women and men participation and more focus to participate women to get support and involvement in training, workshop and meeting.
	16	Number of HHs where women have improved access to the means of production	Data source: Annual document review of resource and loan distribution from each cooperatives/groups Method: Review of document and data from in each cooperatives group entry, processing in excel sheet, the data presented is actual comparing with male household in total	Not planned before in the baseline	Out of total supported household at least 40% of women household will be increased in getting seed, equipment and loan as compare to male participants in program activities	46 (39.32%) were women participants access to receive agriculture production materials (seeds, plastic sheet, pipe etc) out of 117 households supported 9(30%) were women out of 30 members who received small loans from group fund	151(47.94%) were women participants access to receive agriculture production materials (seeds, plastic sheet, pipe etc) out of 315 households supported 10 (22.73%) were women out of 44 members who received small loans from group fund	196 were women participants approached to receive agriculture production materials (seeds, plastic sheet, pipe, chicken production materials etc) out of 375 households supported 16 were women out of 52 members who received small loans from cooperative fund	Progress found in category-1 as compare to the base line Regarding to increase the number of women in USC support program, regular annual progress review and emphasis given to women to get seed, materials and loan to get this progress.

Progress status* 1 – target met or surpassed, 2 – some progress on target, 3 – little or no progress on target (<15%)

Discussion of progress towards the intermediate outcome “Increased influence of women’s knowledge, priorities and leadership” and the immediate outcome “Increased opportunities for women to access resources and benefits in USC programs”

1. Overall comments on progress towards the outcomes, based on the above indicators::

• What is the magnitude and extent of the change? Are there differences between regions, communities, types of HH?

Up to the reporting year 2013-014, in groups/coops, there is a continuous dominance of male in leadership position. However, there are 23.01% increments in women in cooperative, 79.17% in groups and 15% in CDC-community development committee as compare to baseline year as leadership position comparing in base line. Comparing between men and women participation in leadership position, women cover 45.80% than men. This proportion was 21.21% women by 78.78% in cooperatives and groups. In analyzing the further, 2 of the women are leading groups/coops as president. These women are more limited to the role of vice chair and treasures in these committees. Similarly in community development committees (CDCs) there were 9 women and 30 men in leadership position in baseline year. In 2013-14, women numbers has increased by ten. Similarly, percentage of women members as compared to male has been increased from 34.53% to 52.54% (**18.01% increased**) during four years periods. In analyzing gender participation in program activities, women participation has been increased by 18.01% than base line and reached to 54.40% up to 2013-014. There is higher number of female members in Pyusa and Lali. In Pyusa, it was the female group formed earlier. In Lali, there is a greater progress in increment women participation as members and committee positions because of the role of some empowered women (Ms Lila Malla) after participating in the gender workshop of Hetaunda. She is playing leading role in her cooperative. In the village of Karanga, earlier, there was mixed group leading by men and inactive, During the reporting year 2013-014, the group is reformed representing by all women. There is a gradual increase in the women’s capacity to influence group meetings and discussions. Leadership capacity of 9 women (Lila Malla- Lali, Mansara shahi-Lali, Amrita Mahtara-Ripa, Bacha Rokaya-Raya, Jadeni Rawal-Thali, Devikanya Aidee-Durpa, Pareukala sing, Sushila shahi, dhana shahi-karanga and Dharma Shila Fadera-Unnapali) has increased to the level to make their active participation and influence others in their groups/coops. They received opportunities and exposure from the program and are hopeful to bring other women forwards to lead their groups in future. There is positive change in the society as noted in the case of Chaupadi. Some youths are accepting to give place inside their home during monthly period of female.

• What factors might explain the change or lack of change? What is the role of the program strategies vs. other contextual/external factors?

Encouraging groups, cooperatives and community development committees for equal participation of female and marginal community in program activities such as orientations. Training, workshops, group cooperative formation/registration and getting production materials has supported to increase women’s participation in the program. For promotion of gender equality; the program has paid special attention to identify women related problem such as chhaupadi and facilitating to minimize the discrimination at household and community level. We have also supported for women led production activities as well as improving in processing, threshing which as mostly the women’s activities. Additionally ICS installation and supporting family toilet has also positive contribution to promote women participation in the program. The program has received guidance from USC Asia and USC Canada including training on reviewing gender equality in the program and the organization.

• What kind of evidence is your assessment based on? Are there any limitations in the data?

The results presented in above were based on program records and FGD in cooperatives/groups. We also did gender reviews in all CDC and cooperative to realize the need to increase women and lower/marginal cast group participation in leadership position.

2. Is there any other information or observations (other than the data presented above) that indicate progress towards the outcomes?

The result presented in table above in column year 2013-014, 25 women are active make their effective participation in their groups/coops, CDC, out of 55 leader women involved. They also advocate and support on agro-biodiversity conservation work in their local community and also involved in VDC council meeting. These women played a greater role to allocate the VDC’s matching fund for establishing oil and crop processing machine at Ripa & Unapani village of Sarkideu VDCs. Establishment of crop processing machine is one of the high impacting work of program to help significantly minimizing women work load. Similarly, Chhaupadi tradition is culturally inherited in these communities. After the program supported awareness and facilitation, 73 households (additional 25 household at karanga of Raya VDC), started bringing chhaupadi women to safer place in the home outside.

3. What are the implications (i.e. lessons learned) of these results for future programming?

One of the learning is that any program in these communities should be able to intently and address women issues to increase their participation. Gender sensitization among male and female as well as leadership development among women group through providing various opportunities such as trainings, visits have realized effective. Result suggested that it will be effective if planned women and lower/marginal cast focus activities in each major theme rather than separate gender theme.

V. Immediate outcome: Increased engagement of young farmers

No.	Indicator	Data source and method	Baseline situation	Target for 2015	Actual results			Remarks on progress*
					2011-12	2012-13	2013-14	
17	Number of youth participating in USC-sponsored programs	<p>Data source: Annual progress document review</p> <p>Method: Review of annual document regarding participation in each program activities – training, orientation and involvement in each cooperatives, groups and data entry, processing. The % is derived comparing between male and female</p>	<p>543 (219 female/girls) youth (young farmers/students will participate in USC-sponsored programs:</p> <p>Total number of people Men : 299(57.83%) Female: 218(42.17%)</p> <p>Young people(year<45) Male : 210 (60.17%) Female: 139(39.83%)</p> <p>School students : Boy: 114(58.76%) Girls: 80 (41.24%)</p> <p>OJT students: Boys: 1(100%) Girls :</p>	<p>554(301 female/girls) youth (young farmers/students will participate in USC-sponsored programs</p> <p>Total number of farmers Men : 450(50%) Female: 450(50%)</p> <p>Young people(year<45) Male : 150(37.50%) Female: 250(62.50%)</p> <p>School students : Boys: 100(66.66%) Girls: 50(33.33%)</p> <p>OJT students: Boys: 3(75%) Girls: 1(25%)</p>	<p>399 youth (205 female/girls) youth (young farmers/students will participate in USC-sponsored programs</p> <p>Total number of participants Men : 317(49.76%) Female: 320(50.24%)</p> <p>Young people(year<45) Male : 111(41.57%) Female: 156(58.43%)</p> <p>School students : Boys: 82(62.60%) Girls: 49(37.40%)</p> <p>OJT students: Boys : 1* Girls : 0</p>	<p>667(475 female/girls) youth (young farmers/students participated in USC-sponsored programs</p> <p>Total number of participants Men : 497(45.60%) Female: 593(54.40%)</p> <p>Young people(year<45) Male : 118(22.35%) Female: 410(77.65%)</p> <p>School students : Boys: 73(52.90%) Girls: 65(47.10%)</p> <p>OJT students: Boys : 1* Girls : 0</p>	<p>830(484 female/girls) youth (young farmers/students participated in USC-sponsored programs</p> <p>Total number of participant Men : 665(47.88%) Female: 724(52.12%)</p> <p>Young people(year<45) Male : 231(30.25%) Female: 373(61.75%)</p> <p>School students : Boys : 113(50.67%) Girls : 110(49.33%)</p> <p>OJT students: Boys : 2* Girls : 1</p> <p>*from Karnali, Jumla and Darnal Technical School, Humla</p>	<p><i>Progress found in category- 1 as compare to the base line</i></p> <p>To get this progress, more focus is given to participate the young and student in seed and materials support for PVS, home garden promotion, farmer organization regarding income generating activities and support to save family toilet construction and crop processing mills.</p> <p>Young/youth represent the participants below the age of 45 years</p>

* 1 – target met or surpassed, 2 – some progress on target, 3 – little or no progress on target (<15%)

Discussion of progress towards the outcome “Increased engagement of young farmers”

1. Overall comments on progress towards the outcome, based on the above indicator:

• What is the magnitude and extent of the change? Are there differences between regions, communities, types of HH?

In the baseline year, there were 194 young farmers reported engaging in agricultural farming activities. The number presented in 2011/12, 2012/13 and in year 2013-014 includes repeat ion as the figure indicates the overall participation of youths in various program activities in these years. It is challenging to attract youths in farming and hold them staying to continue farming in Humla as well as in other parts of the country. Youths who are participating in the program are involved in agro-biodiversity garden/nursery establishment, safe family toilet construction material carrying from Simkot to their areas, ISC installation work. It indicates their lesser engagement in farming activities. However, we are orienting and educating some of the school students about agro-biodiversity and ecological agriculture so that it will help them to cultivate positive thinking towards farming in future. All the data presented here represent all program communities. In both reporting years, district, VDCs and communities are the same.

• What factors might explain the change or lack of change? What is the role of the program strategies vs. other contextual/external factors?

Program is encouraging to increase youth participation in cooperatives, groups and community development committees. We provided orientations to consider young farmers in training/workshop and meeting and providing program supports particularly in promoting small enterprises such as small hotel along the trekking trails to utilize agro biodiversity. However it is not that much effective to attract youths as they do not want to stay in villages and doing agriculture and hotels. It is because they don't see opportunity in farming to progress. It is out of the program capacity and is very much linked with many factors such as government policy/plans to promote youth in farming, building basic infrastructure and support services etc.

• What kind of evidence is your assessment based on? Are there any limitations in the data?

The result presented above in year 2013-014 is based on document review of cooperatives/group member and FGD in each group/cooperative.

2. Is there any other information or observations (other than the data presented above) that indicate progress towards the outcome?

Every year, SHIP has been providing opportunity for a young student to place in On the Job training after graduating from Karnali Technical School, Jumla and Darma technical school Humla. So far, 4 youth (1 girl) were placed in the communities for five months periods. From this OJT program, both the SHIP and the students have realized benefitting. SHIP also recruited two of the good performing OJT students as a regular technical staff. It has greatly helped to manage field level technical manpower in the program.

3. What are the implications (i.e. lessons learned) of these results for future programming?

There is a great and long term implication of distracting youth in farming as seen in low farm productivity and less farm animals due to depleted work force in the family. To improve the situation, efforts should require from all sectors both government and non government to create an environment to stay and earn income to meet their aspiration from farming activities. Program is trying to support them engaging more in biodiversity based income generation activities such as value addition, marketing and running small hotels. Use intern students has been assessed good approach and is helping program to deliver the program outputs and outcomes by managing technical staffs in field sits. It will be continued and in future too.

VI. Intermediate outcome: Increased spread of the SoS vision and approach among other key stakeholders

Immediate outcome: Increased engagement of other key stakeholders with USC-supported programs

i. List the organizations with which your program has an established relationship and describe the type of interactions you had with them each year. Classify the level of collaboration as follows:

A = Exchange of information, knowledge and experiences (including exchange visits)

B = Undertaking of joint initiatives (jointly organizing workshops, trainings, media/policy events)

C = Organization adopts agro biodiversity practices into their own work

Name of organization	Type of organization	Description of relationship before 2010	Summary of interactions/collaborations undertaken with the organization & level of collaboration**			
			2010-2011	2011-2012	2012-2013	2013-2014
District Development Committee	Government	A (Established, program sharing and reporting)	A (program sharing and reporting)	A (program sharing and reporting)	A (program sharing and reporting)	A (program sharing and reporting)
Village Development Committee	Government	A (Program sharing)	A (program sharing)	B (fund sharing)	B (Fund sharing)	B (Fund sharing)
District Agriculture Development Office	Government	A (Coordination)	A (progress sharing and program monitoring)	A (progress sharing and program monitoring)	A (progress sharing and program monitoring)	C (progress sharing and program monitoring)
District Forest Office	Government	A (Receiving technical support)	B (identification of medicinal herbs in program areas)	A (program sharing)	A (program sharing)	A (program sharing)
District Drinking Water Supply & Sanitation sub Division Office	Government	None	None	B (fund sharing for ODF program)	B (fund sharing for ODF program)	C (fund sharing for ODF program)
District Women Development Office	Government	A (Established before and sharing information)	A (program sharing)	A (program sharing)	None	A (program sharing)
Nepal Trust	Local NGO	B (Worked jointly to train hotel owner about hotel management)	A (program sharing)	A ((program sharing)	C (program sharing, adoption of home garden and hotel garden in its new program launched recently in Muchu, Khagalgoun, Dandaphaya, Baragou & Thehe VDCs	C (program sharing, adoption of home garden and hotel garden in its new program launched recently in Muchu, Khagalgoun, Dandaphaya, Baragou & Thehe VDCs
KIRDARC (Karnali Integrated Rural Development and Research Centre)	Local NGO	A (information sharing about climate change)	A (program sharing)	None	A (program sharing)	A (program sharing)
LI-BIRD (Local Initiative for Biodiversity Research & Development)	National NGO	None	A (information, experiences, seed sharing)	A (information, experiences, seed sharing)	C (information, experiences, seed sharing, integrated climate change awareness activities in its program)	C (information, experiences, seed sharing, integrated climate change awareness activities in its program)
HCDA (Himalayan Conservation and Development Association)	Local NGO	A (program sharing)	None	None	A (program sharing and adoption of school biodiversity garden)	A (program sharing and adoption of school biodiversity garden)
SIDC (Snow land Integrated Development Center)	Local NGO	A (program sharing)	None	None	A (program sharing)	A (program sharing)
Ecological organic agriculture service centre	Local NGO	B (Established before with the support of SHIP for policy advocacy of promoting ecological farming at district level)	A (information sharing)	A (program sharing)	A (program sharing)	A (program sharing)
WUPAP - Western upper land poverty alleviation program	Government project	A (information sharing)	A (program sharing)	A (program sharing)	A (program sharing)	A (program sharing)
Total # organizations – Level A (indicator 18a)		9	9	8	8	8
Total # organizations – Level B (indicator 18b)		2	1	2	2	2
Total # organizations – Level C (indicator 19a)		0	0	0	2	2

ii. If applicable, list any communities, not directly supported by your program, where farmers have adopted agro biodiversity-based practices, as a result of contact with the program and/or with communities participating in the program (indicator #19b).

District/R egion	Name of community/Village Development committee – VDC/district	Description of adopted practices observed in the community	Year adoption of practices was first detected	Observations on how farmers learned about the practices (type of contact with program or program participants)
	None			

iii. Summarize the above information to respond to the indicators. Note that we have not included a column for “Target for 2015” since many programs did not establish any target for these indicators. If you would like to add targets, please feel free to do so.

	No.	Indicator	Description of relationship before 2010	Actual results				*Remarks on progress
				2010-2011	2011-12	2012-13	up to 2013-14	
Intermediate Outcome	19a	Number of new agro biodiversity-based initiatives among other institutions inspired by USC programs	Established and shared information	0	0	2	3	Nepal trust integrated home and hotel garden activities, KIRDAC integrated climate change awareness, Most of the HDI program activity initiated based on BASE program activities
	19b	Number of farming communities taking up new agro-biodiversity practices as a result of contact with USC-supported programs		0	0	0	6	Durpa, Pyusa, Lali, Gopka, Unapani & Ripa 6 farmers developed a good biodiversity conservation garden in seasonal base.
Immediate Outcome	18a	Number of government, university, research & development organizations with exchange of information, knowledge and experiences with USC-supported programs		9	9	8	9	SHIP Nepal participated and supported necessary crop seed diversity from humla in school biodiversity fair in budhanilkantha school KTM, 9 varieties of 6 crop kept in national gene bank Lalitpur, involved in farmers field trial in paddy, wheat, finger millet, maize and potato receiving foundation and breeder seed from national agriculture research council/center Lalitpur and kabre, Dolakha
	18b	Number of government, university, research & development organizations undertaking joint initiatives with USC-supported programs		1	2	2	2	The program worked in collaboration with district drinking water office and local VDCs for ODF and establishing processing machines (Kharpunath and Lali) respectively

Discussion of progress towards the intermediate outcome “Increased spread of the SoS vision and approach among other key stakeholders” and the immediate outcome “Increased engagement of other key stakeholders with USC-supported programs”

1. Overall comments on progress towards the outcomes, based on the above indicators:

● **Is there more progress in engaging stakeholders/inspiring new initiatives for certain kinds of institutions/communities compared to others?**

As compared to baseline year, there is a good progress to increase and strengthen SHIP program’s collaboration and networking with relevant government and non government organizations within the district. It has provided opportunity to increasingly share information regarding successful program outcomes that has helped to spread SoS vision and approach among key stakeholders. We shared information with 8 organizations and working jointly with 2 organizations in 2012-13. We have built working partnership with local VDCs particularly at Lali and Kharpunath to establish oil and cereals processing mills. They shared the matching fund for its establishment. SHIP started working in partnership with district drinking water supply and sanitation office for Open Defecation Declaration (ODF) program in working VDCs. They are supporting for family toilet and SHIP is providing social mobilizations services. Similarly, SHIP has been able to convince Nepal Trust (a Humla based NGO working in tourism promotion) in integrate hotel biodiversity garden in its program areas of Muchu, Khagalgaun, Dandafaya, Baragaun and Thehe VDCs in 2012-13. During this period, SHIP also able to diversify its program by establishing a working partnership with Development Fund, Norway. DF Norway is supporting SHIP for implementing HDI program four other VDCs in Humla.

● **What factors might explain progress or lack of progress on the outcomes? What is the role of the program strategies vs. other contextual/external factors?**

During this period, SHIP has been recognized by the local government as one of the best local NGO working in rural development. We have increased sharing, networking with all relevant local and district level government and non government organizations and doing our best to influence for the spread and adoption of successful program activities. SHIP is recognized and invited in all relevant district flora that has made possible to share information and experiences. We sometimes organize to organize training workshop for issue base dialogue among relevant stakeholder (government, non government including community base organization) to bring the community issues and share SHIP’s results in the community. Regarding other factors, government policy/strategies are highly favourable to promote NGO activities as an important change agent in Humla.

2. Is there any other information or observations (other than the data presented above) that indicate progress towards the outcomes?

Two VDCs (Lali and Kharpunath) and district drinking water supply and sanitation office has been jointly working with SHIP Nepal for establishing processing mill and ODF program. Four villages from 2 VDCs have already become open defecation free areas after our joint work.

3. What has been the role of USC Canada in supporting your ability to engage other stakeholders and/or inspire new initiatives? Have other donors or stakeholders also made contributions?

USC Canada Asia Pokhara office supported to bring a new HDI program at SHIP with the funding support from DF Norway. Both USC head office and USCCA were very supportive to improve our skills to share and document results which are helping us to improve our ability to engage and influence others.

4. What are the implications (i.e. lessons learned) of these results for future programming?

Regular sharing, progress review and planning meeting and organizing issue base training regarding food and seed security, farmer organizations, promoting gender equality, engaging youths are important for us to continue and expand further in our work. Similarly, SHIP should further increase its engagement with district stakeholders to share program results and influence them in promoting ecological farming in Humla and the region. .

VII. Intermediate outcome: USC Canada and partners effectively use and apply evidenced-based information on program results

Immediate outcome: Enhanced capacity of USC and partners to monitor and track results

	No.	Indicator
Intermediate outcome	21	Level of capacity of USC Canada and its partners to effectively apply and use information on program results generated through M&E systems
Immediate outcome	20	Level of capacity of USC Canada and its partners to conduct comprehensive baseline studies and to systematically monitor, analyze and document progress in USC supported programs

To respond to these indicators, we ask that you use the Socratic Wheel tool (described below). The tool should be used to facilitate a team discussion within your organization, involving all relevant stakeholders. Please consult with your Program Manager if you have questions about implementing the Socratic wheel.

Socratic Wheel for Assessing M&E Capacity

i. **Categories and accompanying criteria used for assessing M&E Capacity**

Below is a proposed framework for assessing M&E capacity in USC programs. We ask that all 7 Categories (A-G) be assessed, but you may modify or add to the accompanying criteria to better reflect your specific context. If you do make any modifications, please indicate them below: ***We do not modify and use the given Socratic wheel for our analysis for your kind information***

A. Effective and Inclusive Participatory processes

- All stakeholders are included
- Participants are informers
- Participants collect data
- Participants select/develop indicators and relevant methods to track results
- Participants participate in analyzing results
- Participants presenting and/or publishing results

B. Capacity and Institutionalization

- Participants (staff, farmers, extension services, etc) have capacity in M&E
- Training is provided to enhance capacity in M&E
- Organization has access to, develops and adapts appropriate tools and methods
- Effective information systems are in place for storing and retrieving data
- Organization undertakes M&E systematically throughout the length of the program

C. Gender Sensitivity

- Participants in M&E are inclusive of men and women
- Data is gender disaggregated
- Sampling methods pay attention to gender representation
- Outcomes and indicators are identified that relate specifically to gender equality

D. Data collection Approaches and Strategies

- Indicators are Outcome Oriented
- Baseline is collected
- Targets are set
- Sampling is Representative of Socio-economic and environmental factors

E. Methods

- Methods are selected on the basis of being practical and efficient
- A mix of quantitative and qualitative methods are used
- Applicable and appropriate methods are selected to measure agro-biodiversity indicators
- Applicable and appropriate methods are selected to measure economic security indicators
- Applicable and appropriate methods are selected to measure gender indicators
- Applicable and appropriate methods are selected to measure food security
- Applicable and appropriate methods are selected to measure spread and involvement of other stakeholders

F. Analysis

- Interprets data in relation to broader contexts
- Analyses how program activities/strategies contribute to outcomes
- Analyses change through time

- Identifies lessons learned, successes and challenges

G. Application and Use of M&E

- Data analysis is integrated into relevant and accessible documents or other information tools
- Results from M&E are disseminated to key audiences
- M&E informs program design and promotes innovation and new approaches
- Best practices and Lessons learned are shared broadly within program area and with other regions/countries/organizations
- Informs Policy and Advocacy work
- Strengthens communications with strategic audiences (including supporters and governments)

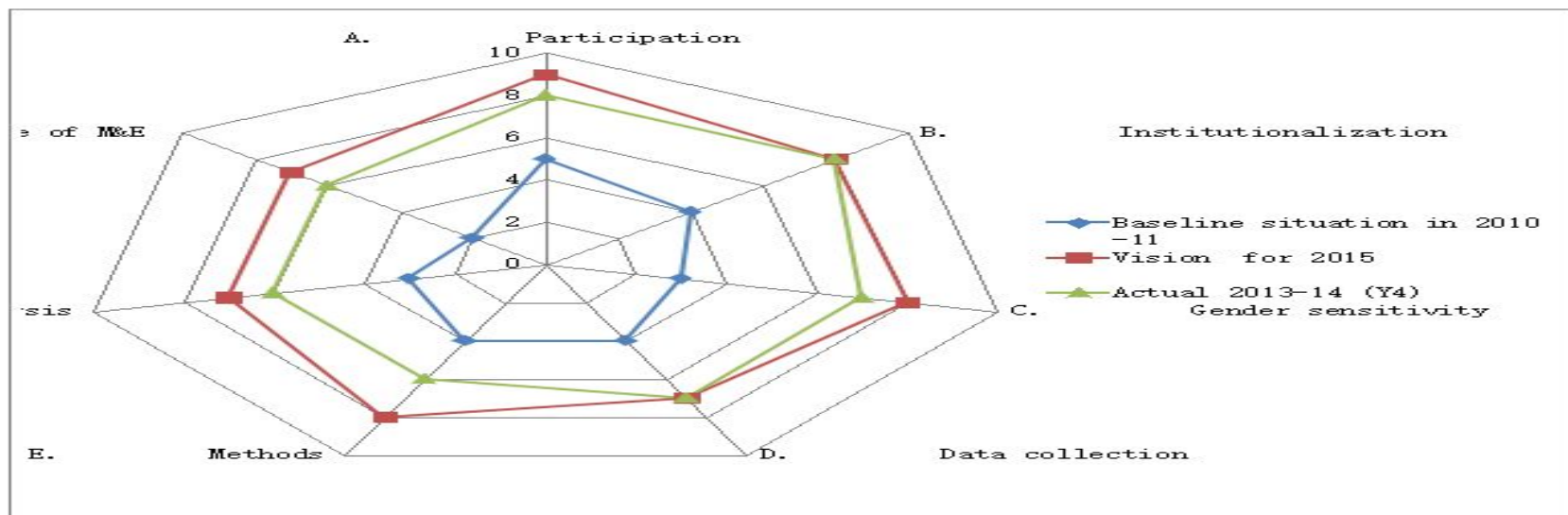
ii. Summary of M&E Self Assessment (Socratic wheel exercise)

Use the following table to summarize progress on the following outcome

Category	Baseline situation in 2010-11*	Vision for 2015 (Target)	Actual results		Remarks on progress
			2012-13 (Y3)	2013-14 (Y4)	
A. Effective and Inclusive participatory processes	5/10	9/10	7/10	8/10	The progress learned and applied to appreciate and appropriately engage gender, cast and age group in the program activities (training/workshop/orientation and meeting)
B. Capacity and Institutionalization	4/10	8/10	7/10	8/10	Organized has prioritized to train staffs and enhance capacity of farmers organization- CDC, cooperative, groups
C. Gender sensitivity	3/10	8/10	5/10	7/10	Gender sensitivity considerations in all theme activities has been improved that is expected to increase women participation and improvement in leadership position
D. Data collection approaches and strategies	4/10	7/10	6/10	7/10	This is progress, simple data collection tools/formats being developed by responsible staffs regarding participants of various program activities such as training/workshop/meeting considering age, gender, cast and the nature of support provided
E. Methods	4/10	8/10	6/10	6/10	Gradually receiving orientation and self learning better about various data collection tools and methods, both qualitative and quantitative
F. Analysis	3/10	7/10	6/10	6/10	Data analysis and simple tabulation, interpretation is done by the program staffs. However, for advance analysis, expert support is required
G. Application and use of M&E	2/10	7/10	6/10	6/10	This is a gradual progress from 2010/011

*Baseline situation in 2010: For each category, indicate rating and provide a brief description of the reasons this rating was established (e.g. indicate key strengths, weaknesses identified in 2010). Consider criteria established for each category to establish rating.

i. Socratic Wheel Graph (Optional) based on above *Summary of M&E Self Assessment* table.



Discussion of progress towards the intermediate outcome “USC Canada and partners effectively use and apply evidenced-based information on program results” and the immediate outcome “Enhanced capacity of USC and partners to monitor and track results”

1. Overall comments on progress towards enhancing your M&E capacity

- Has there been more progress in some areas compared to others, in terms of strengthening your M&E capacity (for example, you might have more progress in strengthening data collection methods compared to analysis or use and application of the results)? If so, why?

SHIP Nepal has made a good progress in all areas such as promoting participation, data collection methods, simple analysis and its application in M&E plan that help explain M&E outcomes. Before this program phase, we had a very low capacity in above areas in self reviewing our program progresses. We are gradually progressing in data collection method and its simple analysis in excel sheet. This is due to capacity building and mentoring support received from SHIP, USCCA and USC Canada after the year 2010.

- **What factors might explain the progress or lack of progress in strengthening your M&E capacity?**

Capacity building of responsible staffs through training, workshop and regular feedback and technical support from USC Canada and USC Asia are the factors for such progress. Still, we are facing challenges due to poor skills and capacities to fully become able as we expected.

2. Is there any other information or observations (other than the data presented above) that indicate progress towards the outcomes?

None

3. What has been the role of USC Canada in helping strengthen your M&E capacity? Have other donors or stakeholders also made contributions?

USC Canada and USC Asia has been providing support to staff for capacity building in the areas of designing and implementing participatory interventions, data collection methods/approaches, simple analysis and its use in the reports. SHIP has not so far received any support to strengthen our M&E system from other donors.

4. What are the implications (i.e. lessons learned) of these results for future programming?

Do current M&E strategies appear to be effective? Do the results suggest that new approaches might be needed?

This M&E strategies have appeared effective as it has put us in a framework to self monitor and evaluate our progress in systemic way. We have realized that we still need to improve our capacity in this area in coming days.