

APPENDIX 3. Details of how the costs of community and forester-collected forest biomass data were calculated.

Calculations of the costs of community and professional monitoring of forest biomass were prepared by MKP using actual costs in each of the four countries for the first year of monitoring. In this appendix, we describe how the calculations were made. For the costs of the training and supervision, we included all the expenses of the training personnel (travel, accommodation, food and wages). The costs of monitoring for years 2-4 were estimated. Equipment includes measuring tapes, paint, rope, field forms, marker pens and similar. At some sites it was necessary to buy a GPS device but the price of these is not included here. The costs of the professional foresters were estimated as being almost the same every year. All values are in USD at exchange rates as of April 2012.

(1) Indonesia

Currency: IDR 1,000 = USD 0.11 (April 2012).

Community monitoring

Training and supervision:

Travel: The cost of transport for three trainers from Barong was USD 825 (IDR 7,500,000).

Accommodation: Accommodation for the three trainers was USD 149 (3 x 9 nights at IDR 50,000).

Food: Two cooks were employed for 10 days and paid IDR 1,400,000 but only a part of this cost (USD 248) related to the trainers.

Wages: Three trainers received a total of USD 990 (USD 33 per day for each trainer, 10 days).

Years 2-4: For the following years, only one trainer is needed and the cost of training is consequently reduced.

Transport costs USD 275. Food costs USD 83. Wages for one trainer is USD 330. Accommodation for the trainers costs USD 50 (9 nights at IDR 50,000).

Implementation (by community members):

Food: The cost of food for community members was USD 146 (53 lunch packs at IDR 25,000 each were consumed by community members during the field work).

Equipment: The cost of materials such as paint, rope, batteries and stationery was USD 48. GPS devices were borrowed.

Wages for community members: A total of USD 435 was paid in salaries to community members for monitoring (53 person-days at IDR 70,000-100,000, totalling IDR 3,950,000).

Years 2-4: It is estimated that the costs of implementation by community members (food for data gatherers and wages) will reduce by 25% as the plots are already established. Equipment will come to around USD 10 per year.

Professional monitoring

Travel and accommodation: The cost of travel and accommodation for the professional monitor was USD 385 (IDR 2,500,000 for transport between Barong and Batu Majang, and IDR 1,000,000 for boat).

Food: The total cost of per diems and food for professional monitoring was USD 353. The forester was paid IDR 75,000 (USD 8.25) for food per day for 24 days (USD 198); the villagers assisting the forester were provided with food worth IDR 25,000 (USD 2.92) per day for 53 person-days of field work (USD 155).

Equipment: An estimated USD 15 was paid for equipment.

Wages: The forester was paid a salary of IDR 300,000 (USD 33) per day when working in the forest and IDR 250,000 (USD 27.5) per day for travelling/village days. The total salary was USD 765 for the professional forester and USD 1,122 for the villagers assisting the forester.

Years 2-4: Travel and accommodation are estimated to remain at USD 385 per year but food and wages can be reduced to USD 265 per year (food) and USD 904 per year (wages). Equipment will be approx. USD 10 per year.

(2) China

Currency: Rmb 1 = USD 0.16 (April 2012).

Community monitoring

Training and supervision:

Travel: This calculation is based on the cost of three trainers, one from Kunming and two from Jinghong. The air fare Kunming-Jinghong-Kunming for one trainer was USD 333. The shared car Jinghong-Manlin and Manlin-Jinghong was USD 128 (renting a local car cost Rmb 400 per day, so a round trip was Rmb 800). The total cost of travel was USD 461.

Accommodation: Three persons for one night at Rmb 100 per person in Jinghong cost USD 48; and 8 nights in Manlin at Rmb 20 per person came to Rmb 780 or USD 125. Total: USD 173.

Food: Three persons at Rmb 30 for ten days totalled Rmb 900 or USD 144.

Wages: The daily fee for each trainer was USD 48 (Rmb 300). The three trainers were needed for 10 days (USD 1,440).

Years 2-4: In subsequent years, only one trainer from Jinghong will be needed. The cost of the training will consequently reduce. Car cost of USD 128, accommodation and food for one trainer at USD 88 (8 x USD 11), and salary of USD 384 (8 x USD 48).

Implementation (by community members):

Food: Community members took responsibility for their own food.

Equipment: An estimated USD 20 was spent on paint, rope and batteries. GPS devices were borrowed.

Wages for community members: Each villager received a daily salary of Rmb 100 (USD 16) when working in the forest on establishing plots and measuring trees. The total effort made by villages came to 24 person-days, costing USD 384.

Professional monitoring

Travel and accommodation: The air fare Kunming-Jinghong-Kunming for the professional monitor was USD 333, and the taxi Jinghong-Manlin and Manlin-Jinghong was USD 51. The cost of accommodation in Manlin for the professional monitor was USD 32 for all 10 days.

Food: Food in Manlin for the professional monitor cost 30 Rmb/day. Food for ten days thus cost Rmb 300 or USD 48.

Equipment: All equipment was borrowed.

Wages: The daily salary of a professional monitor was USD 58. The professional monitor was needed for 10 days, which cost USD 580. Two local assistants were paid Rmb 100 (USD 16) per day for 8 days and they therefore cost USD 128 each. The total wages were USD 836.

Years 2-4: The cost of professional monitoring will be the same for subsequent years.

(3) Laos

Currency: LAK 1,000 = USD 0.125 (April 2012).

Community monitoring

Training and supervision:

Travel: Travel from Vientiane cost USD 1,688 for 3 trainers.

Accommodation, food and wages: USD 1,256 was paid as a combined per diem to trainers to cover food, accommodation and salaries.

Years 2-4: Refresher training is needed for year 2 but the number of trainers can be reduced to two. The cost of training and supervision will consequently reduce by 33%. Equipment will come to around USD 10 per year.

Implementation (by community members):

Food: No additional food was provided.

Equipment: Basic materials for establishing plots and measuring trees were bought for USD 211.

Wages for community members: Each villager in Sakok was paid USD 5.47 per day when involved in community monitoring and training. Up to twelve villagers participated in the community monitoring and, in total, USD 526 was paid.

Professional monitoring

Travel and accommodation: Travel was USD 1,688 and accommodation was USD 575.

Food: Food was paid for by the professional monitors out of their salaries.

Equipment: USD 288 was spent on equipment for professional monitors.

Wages: USD 750 was paid in wages to the professional monitors.

Years 2-4: It is estimated that the cost of accommodation and wages for professional monitoring will be 25% lower in subsequent years since fewer person-days will be needed. Transport costs will remain the same (USD 1,688). Equipment will be approx. USD 10 per year.

(4) Vietnam

Currency VND 10,000 = USD 0.476 (April 2012).

Community monitoring

Diem village

Training and supervision:

Travel: USD 778 was paid to cover the trainers' travel costs.

Accommodation: USD 179 was paid for the trainers' accommodation.

Food: USD 858 was paid in per diems and food for the trainers.

Wages: USD 383 was paid as salary for the trainers.

Years 2-4: Less training will be needed in subsequent years. The cost of training will therefore reduce. It is estimated at one-third of the first year's cost for each of the following years. Equipment will come to around USD 10 per year.

Implementation (by community members):

Food: The villagers received training for 10 days. They were paid USD 58 in per diems and for other minor expenses.

Equipment: USD 95 was paid for equipment.

Wages: Villagers in Diem were paid USD 4.76 (VND 100,000) per day when involved in community monitoring. They worked for 21 person-days on community monitoring and were paid USD 100.

Years 2-4: The cost of implementation is estimated as being similar for subsequent years. Equipment will come to around USD 10 per year.

Moi village

Training and supervision:

Travel and accommodation: USD 760 was spent on travel and accommodation for the trainers.

Food: USD 923 was paid for per diems and food for the trainers.

Wages: USD 415 was paid as salaries for the trainers.

Years 2-4: Less training will be needed in subsequent years. The cost of training will therefore reduce. The cost of training is estimated two-thirds of the first year's cost for each of the following years. Equipment will come to around USD 10 per year.

Implementation (by community members):

Food: Villagers were paid USD 255 in per diems.

Equipment: USD 181 was paid for equipment.

Wages: Villagers were paid USD 4.76 (VND 100,000) per day when involved in community monitoring. They worked for 72 person-days on community monitoring and were paid USD 343.

Professional monitoring

Diem village

Travel and accommodation: USD 475 was spent on travel and accommodation for the professional monitors.

Food: USD 554 was spent on food.

Equipment: USD 11 was spent on equipment for the professional monitors. Other equipment was borrowed.

Wages: USD 255 was paid in salaries for the professional monitors.

Years 2-4: The cost of professional monitoring will be the same for subsequent years.

Moi village

Travel and accommodation: USD 950 was spent on travel and accommodation for the professional monitors.

Food: USD 1,152 went on covering the costs of food for the professional monitors.

Equipment: USD 11 was spent on equipment for the professional monitors. Other equipment was borrowed.
Wages: USD 510 was paid in salaries for the professional monitors.
Years 2-4: The cost of professional monitoring will be the same for subsequent years.