

Appendix 3. Prior probability distributions for the economic valuation nodes and evidence provided by experts.

Table A3.1. Prior probability distribution of timber price and evidence provided by experts. The evidence that was fed into the Bayesian Network was calculated as the mean value of the probability estimates for each state of the node provided by the single experts.

Timber market price [CHF/m ³]	Prior probability distribution (based on Grêt-Regamey et al. 2013)	Evidence (mean (and standard deviation) of five expert opinions)
86	0.3	0.05 (0.05)
96	0.5	0.06 (0.05)
106	0.2	0.15 (0.05)
115	0	0.21 (0.15)
125	0	0.26 (0.10)
150	0	0.21 (0.19)
170	0	0.05 (0.05)

Table A3.2. Prior probability distribution of the social value of carbon sequestration and evidence provided by experts. The evidence that was fed into the Bayesian Network was calculated as the mean value of the probability estimates for each state of the node provided by the single experts.

Social value of CO ₂ sequestration [CHF/t CO ₂]	Prior probability distribution (based on EcoSecurities 2009, Tol 2005)	Evidence (mean (and standard deviation) of six expert opinions)
10	0	0.01 (0.02)
30	0.1	0.09 (0.08)
50	0.4	0.19 (0.10)
75	0.4	0.27 (0.14)
100	0.1	0.28 (0.10)
150	0	0.12 (0.14)
200	0	0.03 (0.05)
250	0	0.01 (0.02)

Table A3.3. Prior probability distribution of habitat replacement costs and evidence provided by experts. The evidence that was fed into the Bayesian Network was calculated as the mean value of the probability estimates for each state of the node provided by the single experts.

Habitat replacement costs [CHF/ha]	Prior probability distribution (based on Grêt-Regamey et al. 2008)	Evidence (mean (and standard deviation) of five expert opinions)
140	0.07	0.04 (0.06)
250	0.13	0.10 (0.12)
360	0.19	0.19 (0.05)
470	0.21	0.21 (0.07)
580	0.19	0.23 (0.08)
690	0.13	0.16 (0.06)
800	0.07	0.08 (0.06)

Table A3.4. Prior probability distribution of travel and subsistence costs of forests and evidence provided by experts. The evidence that was fed into the Bayesian Network was calculated as the mean value of the probability estimates for each state of the node provided by the single experts.

Travel or subsistence costs [CHF/ha]	Prior probability distribution (based on Beck 2008)	Evidence (mean (and standard deviation) of six expert opinions)
150	0.10	0.06 (0.08)
1000	0.12	0.08 (0.07)
3000	0.18	0.15 (0.11)
5000	0.21	0.18 (0.07)
8000	0.18	0.20 (0.12)
10'000	0.13	0.17 (0.12)
12'000	0.08	0.16 (0.15)