

Supplementary File S2 – Questionnaire of the decision-maker's preferences – Pairwise comparison matrices.

Economic preference

| | $C_{T,BC,i}$ | $C_{D,IMP,i}$ | $C_{ENPE,TOTAL,i}$ | $C_{ENUE,RES,i}$ | $C_{EXN,ST,i}$ | $C_{EC,TOC,i}$ | $C_{ECP,INV,i}$ | $C_{SAQ,i}$ | $C_{S,LENV,i}$ | $C_{ENVLCA,i}$ |
|--------------------|--------------|---------------|--------------------|------------------|----------------|----------------|-----------------|-------------|----------------|----------------|
| $C_{T,BC,i}$ | 1.00 | 1.00 | 3.00 | 3.00 | 3.00 | 0.33 | 0.33 | 3.00 | 3.00 | 3.00 |
| $C_{D,IMP,i}$ | 1.00 | 1.00 | 3.00 | 3.00 | 3.00 | 0.33 | 0.33 | 3.00 | 3.00 | 3.00 |
| $C_{ENPE,TOTAL,i}$ | 0.33 | 0.33 | 1.00 | 1.00 | 1.00 | 0.20 | 0.20 | 0.50 | 0.50 | 1.00 |
| $C_{ENUE,RES,i}$ | 0.33 | 0.33 | 1.00 | 1.00 | 1.00 | 0.20 | 0.20 | 0.50 | 0.50 | 1.00 |
| $C_{EXN,ST,i}$ | 0.33 | 0.33 | 1.00 | 1.00 | 1.00 | 0.20 | 0.20 | 0.50 | 0.50 | 1.00 |
| $C_{EC,TOC,i}$ | 3.00 | 3.00 | 5.00 | 5.00 | 5.00 | 1.00 | 0.50 | 5.00 | 5.00 | 5.00 |
| $C_{ECP,INV,i}$ | 3.00 | 3.00 | 5.00 | 5.00 | 5.00 | 2.00 | 1.00 | 5.00 | 5.00 | 5.00 |
| $C_{SAQ,i}$ | 0.33 | 0.33 | 2.00 | 2.00 | 2.00 | 0.20 | 0.20 | 1.00 | 1.00 | 1.00 |
| $C_{S,LENV,i}$ | 0.33 | 0.33 | 2.00 | 2.00 | 2.00 | 0.20 | 0.20 | 1.00 | 1.00 | 1.00 |
| $C_{ENVLCA,i}$ | 0.33 | 0.33 | 1.00 | 1.00 | 1.00 | 0.20 | 0.20 | 1.00 | 1.00 | 1.00 |

Social and environmental preference

| | $C_{T,BC,i}$ | $C_{D,IMP,i}$ | $C_{ENPE,TOTAL,i}$ | $C_{ENUE,RES,i}$ | $C_{EXN,ST,i}$ | $C_{EC,TOC,i}$ | $C_{ECP,INV,i}$ | $C_{SAQ,i}$ | $C_{S,LENV,i}$ | $C_{ENVLCA,i}$ |
|--------------------|--------------|---------------|--------------------|------------------|----------------|----------------|-----------------|-------------|----------------|----------------|
| $C_{T,BC,i}$ | 1.00 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 0.33 | 0.20 | 1.00 |
| $C_{D,IMP,i}$ | 1.00 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 0.33 | 0.20 | 1.00 |
| $C_{ENPE,TOTAL,i}$ | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 0.50 | 0.33 | 2.00 |
| $C_{ENUE,RES,i}$ | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 0.50 | 0.33 | 2.00 |
| $C_{EXN,ST,i}$ | 1.00 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 0.33 | 0.20 | 1.00 |
| $C_{EC,TOC,i}$ | 1.00 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 0.33 | 0.20 | 1.00 |
| $C_{ECP,INV,i}$ | 1.00 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 0.33 | 0.20 | 1.00 |
| $C_{SAQ,i}$ | 3.00 | 3.00 | 2.00 | 2.00 | 3.00 | 3.00 | 3.00 | 1.00 | 0.50 | 3.00 |
| $C_{S,LENV,i}$ | 5.00 | 5.00 | 3.00 | 3.00 | 5.00 | 5.00 | 5.00 | 2.00 | 1.00 | 5.00 |
| $C_{ENVLCA,i}$ | 1.00 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 0.33 | 0.20 | 1.00 |