

Supplementary Information SI3

This supporting information provides the results obtained for each social subcategory assessed in each organization of the bio-value chain—the data on which Figure 3 of the manuscript is based.

SO-LCA Results

| Social Subcategories | <i>N° Organizations assessed</i> | | | | | | | | | | | |
|--|----------------------------------|---|---|---|------|------|------|------|---|----|------|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Freedom of association and collective bargaining | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Child labour | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Fair salary | 3 | 3 | 4 | 3 | x | 3 | x | 4 | 4 | 3 | 3 | 3 |
| Equal opportunities/ discrimination | 3 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 2 | 3 |
| Health and safety (workers) | 3 | 4 | 4 | 2 | 3 | x | 4 | 4 | 4 | x | x | 2 |
| Social benefits/social security | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Employment relationship | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Sexual harassment | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Access to material resources | 3 | 4 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 2 |
| Safe and healthy living conditions | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Community engagement | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | 3 |
| Local employment | 4 | 4 | 3 | 4 | n.e. | n.e. | n.e. | n.e. | 3 | 3 | n.e. | 4 |
| Secure living conditions | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 |
| Promoting social responsibility | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 4 | 4 | 2 | 4 | 2 |
| Respect of intellectual property rights | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Wealth distribution | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Health and safety (consumer) | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | x | 3 | 3 |
| Transparency | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 |
| End- of- life responsibility | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Prevention and mitigation of armed conflicts | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 |
| Technology development | 4 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 4 | 4 | 3 |
| Corruption | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

Note: n.e. (not evaluated): This indicator was not assessed because the organization is not located in a depopulated area; therefore, the indicator is not material for its evaluation.