

Supplementary Material C

for the article

Using the Sustainability Monitoring and Assessment Routine (SMART) for Systematic Analysis of the Trade-offs and Synergies between Sustainability Dimensions and Themes at Farm Level

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Table S60. Overview of synergies at sub-theme level

		Corporate Ethics	Corporate Ethics	Accountability	Accountability	Participation	Participation	Participation	Rule of Law	Rule of Law	Rule of Law	Rule of Law	Holistic Management	Holistic Management	Atmosphere	Atmosphere	Water	Water	Land	Land	Biodiversity	Biodiversity	Biodiversity	Material Use	Material Use	Material Use	Material Use	Animal Welfare	Animal Welfare	Investment	Investment	Investment	Investment	Vulnerability	Vulnerability	Vulnerability	Vulnerability	Vulnerability	Product Quality & Information	Product Quality & Information	Product Quality & Information	Local Economy	Local Economy	Decent Livelihood	Decent Livelihood	Decent Livelihood	Fair Trading Practices	Fair Trading Practices	Labour Rights	Labour Rights	Labour Rights	Labour Rights	Equity	Equity	Equity	Human Safety & Health	Human Safety & Health	Cultural Diversity	Cultural Diversity	
		Mission Statement	Due Diligence	Holistic Audits	Responsibility	Transparency	Stakeholder Dialogue	Grievance Procedures	Conflict Resolution	Legitimacy	Remediation & Prevention	Civic Responsibility	Resource Appropriation	Sustainability Management Plan	Full-Cost Accounting	Greenhouse Gases	Air Quality	Water Withdrawal	Water Quality	Soil Quality	Land Degradation	Ecosystem Diversity	Species Diversity	Genetic Diversity	Material Use	Energy Use	Waste Reduction & Disposal	Animal Health	Freedom from Stress	Internal Investment	Community Investment	Long-Ranging Investment	Profitability	Stability of Production	Stability of Supply	Stability of Market	Liquidity	Risk Management	Food Safety	Food Quality	Product Information	Value Creation	Local Procurement	Quality of Life	Capacity Development	Fair Access to Means of	Responsible Buyers	Rights of Suppliers	Employment Relations	Forced Labour	Child Labour	Freedom of Association and Right to	Non-Discrimination	Gender Equality	Support to Vulnerable People	Workplace Safety and Health	Public Health	Indigenous Knowledge	Food Sovereignty	
Corporate Ethics	Mission Statement	100%	81%	90%	97%	92%	85%	90%	84%	78%	88%	90%	78%	95%	96%	53%	68%	80%	61%	55%	65%	63%	55%	85%	64%	62%	71%	47%	46%	76%	83%	88%	70%	56%	80%	81%	88%	46%	60%	76%	83%	86%	91%	62%	86%	83%	83%	87%	79%	85%	86%	86%	86%	87%	67%	43%	91%	81%		
Corporate Ethics	Due Diligence	81%	100%	78%	81%	76%	82%	81%	76%	82%	82%	78%	78%	80%	80%	54%	58%	70%	53%	47%	57%	53%	49%	78%	56%	54%	64%	37%	36%	66%	74%	79%	60%	46%	71%	71%	78%	78%	47%	66%	70%	80%	76%	81%	62%	77%	77%	76%	79%	71%	78%	78%	79%	79%	81%	82%	64%	47%	86%	74%
Accountability	Holistic Audits	90%	78%	100%	90%	91%	82%	86%	80%	77%	83%	86%	76%	89%	94%	49%	63%	76%	57%	50%	61%	59%	51%	80%	61%	58%	68%	43%	41%	72%	79%	84%	67%	53%	76%	76%	83%	47%	60%	76%	86%	81%	87%	60%	82%	78%	79%	84%	75%	83%	84%	84%	81%	81%	84%	66%	40%	86%	76%	
Accountability	Responsibility	97%	81%	90%	100%	92%	86%	88%	85%	78%	89%	93%	79%	95%	95%	51%	65%	78%	59%	52%	63%	61%	53%	83%	63%	61%	69%	45%	43%	74%	83%	86%	66%	54%	78%	78%	85%	44%	58%	74%	83%	84%	89%	62%	84%	80%	81%	86%	77%	84%	85%	85%	83%	83%	85%	65%	41%	89%	78%	
Accountability	Transparency	92%	76%	91%	92%	100%	80%	81%	78%	72%	80%	82%	75%	88%	91%	44%	58%	71%	52%	46%	56%	54%	46%	76%	55%	53%	63%	38%	37%	67%	74%	79%	61%	48%	71%	72%	79%	79%	46%	57%	69%	82%	77%	82%	54%	77%	74%	74%	78%	71%	77%	77%	78%	76%	76%	78%	62%	36%	82%	72%
Participation	Stakeholder Dialogue	85%	82%	82%	86%	80%	100%	93%	98%	78%	91%	89%	86%	81%	86%	51%	65%	78%	59%	52%	62%	60%	53%	82%	62%	60%	69%	45%	43%	73%	80%	86%	68%	55%	78%	80%	86%	43%	57%	73%	81%	83%	88%	68%	84%	86%	83%	86%	78%	85%	83%	87%	82%	83%	85%	65%	42%	89%	78%	
Participation	Grievance Procedures	90%	82%	86%	88%	81%	93%	100%	91%	82%	89%	90%	82%	85%	90%	54%	68%	81%	62%	56%	66%	64%	56%	86%	65%	63%	72%	48%	47%	77%	85%	89%	70%	57%	81%	82%	89%	43%	61%	77%	86%	87%	92%	71%	87%	85%	86%	90%	84%	91%	88%	94%	87%	89%	90%	68%	44%	92%	82%	
Participation	Conflict Resolution	84%	81%	80%	85%	78%	98%	91%	100%	77%	92%	87%	87%	80%	85%	50%	64%	77%	58%	51%	61%	59%	52%	81%	60%	58%	68%	43%	42%	72%	79%	85%	66%	54%	77%	79%	85%	42%	56%	72%	80%	82%	87%	68%	83%	86%	86%	88%	76%	83%	82%	85%	81%	82%	84%	64%	41%	88%	77%	
Rule of Law	Legitimacy	78%	76%	77%	78%	72%	78%	82%	77%	100%	82%	82%	77%	77%	80%	44%	59%	71%	55%	49%	56%	54%	48%	76%	56%	55%	68%	38%	37%	67%	74%	79%	60%	47%	71%	72%	78%	40%	65%	69%	78%	79%	82%	61%	77%	79%	76%	80%	77%	77%	78%	60%	50%	83%	73%					
Rule of Law	Remedy, Restoration & Prevention	88%	82%	83%	89%	80%	91%	89%	92%	82%	100%	89%	84%	85%	88%	50%	64%	77%	58%	52%	62%	60%	52%	82%	61%	59%	70%	44%	43%	73%	80%	85%	66%	53%	77%	77%	85%	43%	60%	73%	80%	82%	88%	66%	83%	87%	84%	87%	75%	82%	83%	82%	82%	83%	64%	42%	89%	79%		
Rule of Law	Civic Responsibility	90%	82%	86%	93%	82%	89%	90%	87%	82%	89%	100%	82%	89%	90%	54%	68%	81%	62%	56%	66%	64%	56%	86%	66%	64%	73%	48%	47%	77%	88%	89%	69%	57%	81%	82%	89%	44%	61%	77%	88%	88%	92%	68%	87%	84%	85%	90%	81%	88%	89%	89%	87%	87%	89%	69%	45%	92%	83%	
Rule of Law	Resource Appropriation	78%	78%	76%	79%	75%	86%	82%	87%	77%	84%	82%	100%	76%	79%	44%	58%	74%	55%	46%	56%	54%	46%	75%	55%	53%	62%	38%	36%	67%	74%	79%	61%	47%	71%	71%	78%	35%	51%	66%	81%	77%	82%	66%	77%	91%	86%	86%	76%	82%	82%	83%	80%	80%	82%	62%	39%	86%	77%	
Holistic Management	Sustainability Management Plan	95%	78%	89%	95%	88%	81%	85%	80%	77%	85%	89%	76%	100%	94%	49%	63%	76%	57%	51%	61%	59%	51%	81%	61%	59%	68%	43%	42%	72%	79%	84%	70%	55%	76%	77%	84%	48%	56%	72%	83%	82%	87%	60%	84%	79%	80%	85%	76%	83%	84%	84%	82%	82%	84%	64%	39%	87%	77%	
Holistic Management	Full-Cost Accounting	96%	80%	94%	95%	91%	86%	90%	85%	80%	88%	90%	79%	94%	100%	55%	69%	81%	62%	56%	66%	64%	57%	86%	65%	63%	72%	48%	47%	77%	84%	90%	73%	57%	82%	82%	89%	48%	62%	77%	85%	87%	92%	63%	88%	84%	84%	88%	80%	86%	87%	88%	86%	86%	88%	68%	44%	92%	82%	
Atmosphere	Greenhouse Gases	53%	44%	49%	51%	44%	51%	54%	50%	44%	50%	54%	44%	49%	55%	100%	81%	46%	39%	39%	52%	51%	42%	53%	44%	68%	42%	15%	14%	56%	49%	57%	41%	31%	53%	46%	53%	9%	28%	43%	51%	51%	62%	28%	52%	48%	48%	53%	44%	51%	52%	52%	51%	51%	52%	33%	10%	57%	47%	
Atmosphere	Air Quality	68%	58%	63%	65%	58%	65%	68%	64%	59%	64%	68%	58%	63%	69%	81%	100%	60%	54%	47%	49%	55%	50%	67%	54%	78%	57%	28%	27%	66%	63%	68%	55%	41%	70%	60%	68%	22%	45%	61%	65%	65%	76%	42%	66%	63%	63%	67%	58%	65%	66%	66%	65%	65%	66%	48%	30%	71%	60%	
Water	Water Withdrawal	80%	70%	76%	78%	71%	78%	81%	77%	71%	77%	81%	74%	76%	81%	46%	60%	100%	57%	48%	58%	56%	50%	77%	66%	55%	64%	40%	38%	72%	75%	81%	63%	52%	73%	73%	80%	37%	55%	68%	76%	78%	83%	54%	79%	78%	75%	80%	71%	78%	78%	79%	77%	77%	79%	59%	42%	83%	73%	
Water	Water Quality	61%	53%	57%	59%	52%	59%	62%	58%	55%	58%	62%	55%	57%	62%	39%	54%	57%	100%	55%	56%	50%	53%	61%	51%	47%	61%	22%	19%	52%	56%	62%	47%	35%	61%	54%	61%	19%	52%	62%	57%	59%	65%	35%	60%	59%	56%	61%	52%	59%	60%	60%	58%	58%	60%	44%	57%	64%	55%	
Land	Soil Quality	55%	47%	50%	52%	46%	52%	56%	51%	49%	52%	56%	46%	51%	56%	39%	47%	48%	55%	100%	72%	64%	70%	56%	44%	43%	51%	14%	13%	46%	50%	58%	41%	35%	55%	48%	55%	14%	46%	55%	50%	53%	58%	29%	54%	50%	50%	54%	46%	52%	53%	54%	52%	52%	54%	40%	36%	58%	48%	
Land	Land Degradation	65%	57%	61%	63%	56%	62%	66%	61%	56%	62%	66%	56%	61%	66%	52%	49%	58%	56%	72%	100%	67%	63%	65%	47%	43%	49%	25%	23%	57%	60%	68%	52%	45%	58%	58%	65%	28%	40%	53%	61%	63%	69%	39%	64%	60%	60%	65%	56%	63%	64%	64%	62%	63%	64%	46%	23%	68%	58%	
Biodiversity	Ecosystem Diversity	63%	53%	59%	61%	54%	60%	64%	59%	54%	60%	64%	54%	59%	64%	51%	55%	56%	50%	64%	67%	100%	87%	66%	46%	45%	53%	23%	24%	57%	64%	65%	47%	39%	63%	56%	63%	21%	42%	59%	59%	61%	66%	37%	62%	58%	58%	63%	64%	60%	60%	62%	60%	62%	42%	29%	66%	56%		
Biodiversity	Species Diversity	55%	49%	51%	53%	46%	53%	56%	52%	48%	52%	56%	46%	51%	57%	42%	50%	50%	53%	70%	63%	87%	100%	64%	42%	43%	47%	15%	16%	49%	55%	57%	41%	31%	57%	48%	55%	17%	44%	57%	51%	53%	59%	29%	54%	50%	50%	55%	46%	53%	54%	54%	53%	53%	54%	38%	35%	60%	53%	
Biodiversity	Genetic Diversity	85%	78%	80%	83%	76%	82%	86%	81%	76%	82%	86%	75%	81%	86%	53%	67%	77%	61%	56%	65%	66%	64%	100%	64%	61%	68%	44%	44%	74%	81%	86%	67%	55%	77%	78%	85%	42%	59%	77%	80%	83%	88%	59%	84%	80%	80%	84%	76%	82%	83%	84%	82%	82%	84%	65%	43%	90%	91%	
Materials and Energy	Material Use	64%	56%	61%	63%	55%	62%	65%	60%	56%	61%	66%	55%	61%	65%	44%	54%	66%	51%	44%	47%	46%	42%	64%	100%	60%	71%	25%	23%	54%	60%	65%	46%	37%	61%	58%	64%	20%	39%	57%	64%	62%	73%	38%	63%	59%	59%	64%	55%	62%	63%	63%	62%	62%	63%	47%	32%	67%	59%	
Materials and Energy	Energy Use	62%	54%	58%	61%	53%	60%	63%	58%	55%	59%	64%	53%	59%	63%	68%	78%	55%	47%	43%	43%	45%	43%	61%	60%	100%	62%	23%	20%	62%	58%	63%	51%	40%	66%	57%	62%	17%	42%	56%	62%	60%	71%	36%	61%	57%	57%	62%	53%	60%	61%	61%	60%	60%	61%	43%	26%	65%	56%	
Materials and Energy	Waste Reduction & Disposal	71%	64%	68%	69%	63%	69%	72%	68%	68%	70%	73%	62%	68%	72%	42%	57%	64%	61%	51%	49%	53%	47%	68%	71%	62%	100%	33%	29%	63%	67%	72%	55%	42%	69%	68%	71%	30%	60%	70%	70%	69%	75%	46%	70%	66%	66%	71%	62%	69%	70%	70%	69%	69%	70%	53%	51%	74%	65%	
Animal Welfare	Animal Health	47%	37%	43%	45%	38%	45%	48%	43%	38%	44%	48%	38%	43%	48%	15%	28%	40%	22%	14%	25%	23%	15%	44%	25%	23%	33%	100%	79%	36%	43%	48%	38%	31%	40%	40%	47%	11%	24%	48%	43%	45%	51%	21%	46%	42%														

Table S61. Overview of trade-offs at sub-theme level

[illegible]

Green colour indicates strong, yellow medium and red colour weak synergies.