

Appendix 1. Coverage of subthemes of the *Guidelines for Sustainability Assessment in Food and Agriculture Systems (SAFA)* by the sustainability assessment approaches.

Dimension	Theme	Sub-theme	SALCA	REPRO	RISE	COSA	AUI	FARMIS
Environmental dimension	E1 Atmosphere	Greenhouse gases	X	X	X	X	X	
		Air pollution	X	X	X		X	X
	E2 Freshwater	Water quantity	X	X	X	X		
		Water quality	X	X	X	X	X	X
	E3 Land	Organic matter		X	X			
		Physical structure		X	X	X		
		Chemical quality		X	X			
		Land degradation and desertification		X	X		X	
		Habitat diversity	X	X	X	X	X	X
	E4 Biodiversity	Ecosystem integrity	X	X	X	X		X
		Wild biodiversity	X	X	X			X
		Agricultural biodiversity		X	X	X		
		Threatened species	X	X	X			X
		Non-renewable resources	X	X	X	X	X	X
	E5 Materials and energy	Energy supply	X	X	X	X	X	X
		Eco-efficiency	X	X	X	X		
		Waste reduction and disposal	X	X	X	X		
	E6 Animal welfare	Freedom from stress			X			
		Species-appropriate conditions			X			
			Number of topics covered	12	17	19	11	7
		% of topics covered	63%	89%	100%	58%	37%	42%

Dimension	Theme	Sub-theme	SALCA	REPRO	RISE	COSA	AUI	FARMIS	
Economic dimension	C1 Investment	Internal investment				X		X	
		Community investment				X			
		Long-ranging investment							
	C2 Vulnerability	Stability of supply		X	X				X
		Stability of demand				X	X		X
		Liquidity and insurance		X	X				
		Employment				X	X		X
		Stability of production				X	X		
	C3 Product safety and quality	Product information							
		Traceability					X		
		Food safety							
		Food quality							
	C4 Local economy	Value creation				X	X		X
		Local procurement				X			
	Number of topics addressed			0	2	7	7	0	5
	% of topics addressed			0%	14%	50%	50%	0%	36%

Dimension	Theme	Sub-theme	SALCA	REPRO	RISE	COSA	AUI	FARMIS	
Social dimension	S1 Decent livelihood	Wage level		X	X	X			
		Fair trade practices				X			
		Capacity building			X	X			
	S2 Labour rights	Employment relations		X			X		
		Forced labour				X	X		
		Child labour				X	X		
		Freedom of association and bargaining					X		
		Working hours		X	X				
	S3 Equity	Non-discrimination				X	X		
		Gender equality				X	X		
		Support to vulnerable people							
	S4 Human health and safety	Physical and psycho-social health				X	X		
		Public health				X	X		
		Food security				X	X		
	S5 Cultural diversity	Indigenous knowledge							
		Food sovereignty							
			Number of topics covered	0	3	10	12	0	0
		% of topics covered	0%	19%	63%	75%	0%	0%	