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# Sustainability self- assessment App: decision- making criteria and impact indicators

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## LIST OF THE SEVEN DECISION-MAKING CRITERIA

Respondents are asked to rate the importance of a list of relevant criteria that producers usually take into consideration when making decisions about their production activity and their marketing channels, using a 5-point Likert scale (from *extremely important* to *slightly important*). The seven decision-making criteria are the following:

<b>INCOME INCREASE</b>
<b>INCOME SECURITY AND STABILITY</b>
<b>FAIRNESS AND SOCIAL JUSTICE</b>
<b>SUPPORT LOCAL COMMUNITY</b>
<b>CONSUMERS' SATISFACTION</b>
<b>REDUCTION OF POLLUTION</b>
<b>PRESERVING LOCAL RESOURCES (CULTURE, TRADITIONAL RESOURCES, KNOW-HOW)</b>

## LIST OF THE 33 IMPACT INDICATORS

Respondents are asked to state, on a 5-point Likert scale (from *very positive* to *very negative*), what is the impact according to them of the SFSC initiative they are engaged in and the of another marketing channel available to them (short or long, called “benchmark distribution channel”) on a list of 33 economic, social and environmental aspects.

### ECONOMIC INDICATORS

- EC1) Sale price level.
- EC2) Income level/work remuneration.
- EC3) Predictability of sold volumes.
- EC4) Possibility to access the market.
- EC5) Bargaining power and decision-making autonomy.
- EC6) Possibility to diversify sold products and income-generating activities.
- EC7) Possibility to sell products not fit for other distribution channels.
- EC8) Possibility to obtain favourable payment terms.
- EC9) Possibility to share risk with other producers, customers/consumers, other actors.
- EC10) Possibility to share resources (assets, knowledge, etc.) with other producers, customers/consumers, other actors.
- EC11) Equitable distribution of the value added along the value chain.
- EC12) Local economy growth.
- EC13) Consumers/customers' satisfaction (freshness, quality, variety, value for money).
- EC14) Resilience to value chain disruptions due to external shocks.

### SOCIAL INDICATORS

- S1) Trust and social relationships between producers and consumers/customers.
- S2) Cooperation among producers.
- S3) Job creation and/or preservation in the local community.
- S4) Work opportunities for marginalised groups (people with disabilities, under detention, with gambling/substance use disorders, etc.).
- S5) Producers' personal wellbeing (e.g., fulfilment, self-esteem, work-life balance, etc.).
- S6) Women empowerment.
- S7) Empowerment, viability and cohesion of local communities.
- S8) Preservation of traditional and local knowledge and culture.
- S9) Consumers awareness and knowledge on food products and related production processes
- S10) Affordability by low-income consumers.
- S11) Capacity to keep employment during external shocks.

## ENVIRONMENTAL INDICATORS

- EN1) Reduction of pollution due to transport.
- EN2) Reduction of pollution due to packaging.
- EN3) Reduction of food waste along the supply chain.
- EN4) Reduction in the use of pesticides, agrochemicals, preservatives and other chemical inputs.
- EN5) Preservation of agrobiodiversity (e.g., traditional varieties and breeds).
- EN6) Animal welfare.
- EN7) Regeneration of natural resources and landscapes.
- EN8) Producers and consumers awareness of the environmental impacts of food production and consumption.

## CRITERIA-IMPACTS MATCHING

The tool converts the answers to the first part on decision-making criteria into numerical “weights”. Then, it matches the 33 economic, social and environmental impacts are matched to the seven decision-making criteria, and the weights generated from the criteria are used to weigh the answers from the impact assessment. This procedure allows to generate some “weighted impacts”, which capture not only the perceived impact of the two distribution channels (SFSC and Benchmark) on the economic, social and environmental aspects considered, but also the relative importance of each aspect in the decision-making process of the actors interviewed.

Below, the correspondence between impacts indicators (reported in full text and in simplified label) and decision-making criteria.

<u>ECONOMIC IMPACTS</u>		
<u>INDICATORS</u>	<u>SIMPLIFIED LABELS</u>	<u>DECISION-MAKING CRITERIA</u>
EC1) Sale price level.	PRICE LEVEL	INCOME INCREASE
EC2) Income level/work remuneration.	INCOME LEVEL	INCOME INCREASE
EC3) Predictability of sold volumes.	SALES PREDICTABILITY	INCOME SECURITY AND STABILITY
EC4) Possibility to access the market.	ACCESS TO MARKET	INCOME INCREASE
EC5) Bargaining power and decision-making autonomy.	POWER & AUTONOMY	FAIRNESS AND SOCIAL JUSTICE
EC6) Possibility to diversify sold products and income-generating activities.	PRODUCTS & INCOME DIVERSIFICATION	INCOME SECURITY AND STABILITY
EC7) Possibility to sell products not fit for other distribution channels.	UNFIT PRODUCTS	INCOME SECURITY AND STABILITY

EC8) Possibility to obtain favourable payment terms.	FAVOURABLE PAYMENT TERMS	INCOME SECURITY AND STABILITY
EC9) Possibility to share risk with other producers, customers/consumers, other actors.	RISK SHARING	INCOME SECURITY AND STABILITY
EC10) Possibility to share resources (assets, knowledge, etc.) with other producers, customers/consumers, other actors.	RESOURCE SHARING	INCOME INCREASE
EC11) Equitable distribution of the value added along the value chain.	DISTRIBUTIVE EQUITY	FAIRNESS AND SOCIAL JUSTICE
EC12) Local economy growth.	LOCAL ECONOMY GROWTH	SUPPORT LOCAL COMMUNITY
EC13) Consumers/customers' satisfaction (freshness, quality, variety, value for money).	CONSUMERS' SATISFACTION	CONSUMERS' SATISFACTION
EC14) Resilience to value chain disruptions due to external shocks.	ECONOMIC RESILIENCE TO EXTERNAL SHOCKS	INCOME SECURITY AND STABILITY
<b><u>SOCIAL IMPACTS</u></b>		
S1) Trust and social relationships between producers and consumers/customers.	TRUST & RELATIONSHIPS	SUPPORT LOCAL COMMUNITY
S2) Cooperation among producers.	PRODUCERS' COOPERATION	SUPPORT LOCAL COMMUNITY
S3) Job creation and/or preservation in the local community.	LOCAL JOBS	SUPPORT LOCAL COMMUNITY
S4) Work opportunities for marginalised groups (people with disabilities, under detention, with gambling/substance use disorders, etc.).	MARGINALISED WORKERS	FAIRNESS AND SOCIAL JUSTICE
S5) Producers' personal wellbeing (e.g., fulfilment, self-esteem, work-life balance, etc.).	PRODUCERS' WELLBEING	FAIRNESS AND SOCIAL JUSTICE
S6) Women empowerment.	FEMALE EMPOWERMENT	FAIRNESS AND SOCIAL JUSTICE
S7) Empowerment, viability and cohesion of local communities.	COMMUNITY EMPOWERMENT	SUPPORT LOCAL COMMUNITY
S8) Preservation of traditional and local knowledge and culture.	LOCAL IDENTITY & KNOWLEDGE PRESERVATION	PRESERVING LOCAL RESOURCES (CULTURE, TRADITIONAL RESOURCES, KNOW-HOW)
S9) Consumers awareness and knowledge on food products and related production processes	CONSUMERS' FOOD AWARENESS	CONSUMERS' SATISFACTION

<b>S10) Affordability by low-income consumers.</b>	<b>AFFORDABILITY FOR CONSUMERS</b>	<b>CONSUMERS' SATISFACTION</b>
<b>S11) Capacity to keep employment during external shocks.</b>	<b>JOB RESILIENCE TO EXTERNAL SHOCKS</b>	<b>SUPPORT LOCAL COMMUNITY</b>
<b>ENVIRONMENTAL IMPACTS</b>		
<b>EN1) Reduction of pollution due to transport.</b>	<b>TRANSPORT POLLUTION</b>	<b>REDUCTION OF POLLUTION</b>
<b>EN2) Reduction of pollution due to packaging.</b>	<b>PACKAGING POLLUTION</b>	<b>REDUCTION OF POLLUTION</b>
<b>EN3) Reduction of food waste along the supply chain.</b>	<b>FOOD WASTE</b>	<b>FAIRNESS AND SOCIAL JUSTICE</b>
<b>EN4) Reduction in the use of pesticides, agrochemicals, preservatives and other chemical inputs.</b>	<b>PESTICIDES</b>	<b>REDUCTION OF POLLUTION</b>
<b>EN5) Preservation of agrobiodiversity (e.g., traditional varieties and breeds).</b>	<b>AGROBIODIVERSITY PRESERVATION</b>	<b>PRESERVING LOCAL RESOURCES (CULTURE, TRADITIONAL RESOURCES, KNOW-HOW)</b>
<b>EN6) Animal welfare.</b>	<b>ANIMAL WELFARE</b>	<b>FAIRNESS AND SOCIAL JUSTICE</b>
<b>EN7) Regeneration of natural resources and landscapes.</b>	<b>RESOURCES REGENERATION</b>	<b>PRESERVING LOCAL RESOURCES (CULTURE, TRADITIONAL RESOURCES, KNOW-HOW)</b>
<b>EN8) Producers and consumers awareness of the environmental impacts of food production and consumption.</b>	<b>ENVIRONMENTAL AWARENESS</b>	<b>FAIRNESS AND SOCIAL JUSTICE</b>