

4. PRACTICAL EXERCISE INFORMATION

This exercise takes participants through the core steps in applying the Framework using different entry points. The exercise should demonstrate the potential of the TEEBAgriFood Framework to:

- Apply systems thinking
- Incorporate multiple capitals – produced, human, natural and social
- Be used at various scales and in different locations
- Use a common language to describe different systems
- Focus across the entire agri-food value chain, including outcomes for human health

It is expected that the exercise will support the application of the TEEBAgriFood Framework in various pilot studies in a consistent and comparable way.

Steps in the exercise

1. The exercise should be completed in small groups (around 10 people) each having a good mix of backgrounds.
2. The overall intent in the exercise is for a small group to use the TEEBAgriFood Framework to describe, comprehensively, an appropriate and relevant agri-food system.
3. It is expected that both morning and afternoon sessions will take 40-50 minutes, to be followed by a 15 – 20 minute feedback session to the entire group.
4. To support demonstration of applying the framework in different contexts, the exercise is to be undertaken for agri-food systems related to three different commodities – tomatoes, wheat and chicken. Each small group should be allocated a different commodity. If there are 9 groups this will mean that 3 groups will consider the same commodity.
5. In the **first stage/ morning session**, for the allocated commodity, a nominated group leader should guide the group through the discussion of the following aspects of the TEEBAgriFood Framework.
 - The point in time at which the system is being described
 - The scope of, and steps in, the value chain being considered
 - The spatial scale and extent of the agri-food system (where is it located)
 - The key stocks of capital across produced, natural, human and social capitals
 - The key inflows and outflows across the value chain
 - The material outcomes and impacts on various stakeholders
6. The result should be a comprehensive description of the relevant agri-food system, accepting that the system being described will be necessarily stylized based on the

collective knowledge of the group. To support discussion a set of checklists have been provided. The aim should be to list out the key features of the system

7. Using the overall description of the commodity's agri-food system, the **second stage/afternoon session** of the exercise is to consider the ways in which the framework can be used to support discussion and analysis of the following questions, each from a different perspective
 - Q1: Farmer co-operative – Can the framework support conversations with government about our community's overall well-being and livelihood?
 - Q2: Household – What information would you need to make a more informed consumption decision, and is it covered in the framework?
 - Q3: Government – Does the framework support a discussion of policies across government (i.e. beyond agriculture) in support of the SDGs?
8. After each discussion within the groups, an open discussion comparing the results from different groups should take place to assess common and different aspects that have been captured by each group.

EXERCISE: DESCRIBING AN AGRI-FOOD SYSTEM

ENTRY POINT: The description of the system starts from consideration of agricultural production in a country for one of the following commodities:

Tomatoes

Wheat

Chicken

Choose a country for the agricultural production _____

TIME POINT: Select one of the following time points to provide a reference point for the description of the agri-food system

1950

1990

2019 (current)

2030

TABLE 1. VALUE CHAIN: Summarize the key players in the value chain, note where they are located and consider any significant features of an industry/activity (e.g. dominated by small or large business, private or public sector, extent of vertical integration).

VALUE CHAIN STAGE	Key players	Where located			Key features
		Local	National	International	
Agricultural production					
Manufacturing and processing					
Distribution, marketing and retail					
Household consumption					

TABLE 2. STOCKS: Summarize the key stocks underpinning the agri-food system by type of capital. Key stocks might be identified through their significant role, or by concerns about their condition and capacity to provide services into the future.

VALUE CHAIN STAGE	STOCKS			
	Produced capital (incl. financial)	Natural capital	Human capital	Social capital (incl. institutional context)
Agricultural production				
Manufacturing and processing				
Distribution, marketing and retail				
Household consumption				

TABLE 3. FLOWS: Summarize the key flows within the agri-food system by type of flow.

VALUE CHAIN STAGE	FLOWS			
	Agricultural and food outputs	Purchased inputs	Ecosystem services	Residuals
Agricultural production				
Manufacturing and processing				
Distribution, marketing and retail				
Household consumption				

TABLE 4. OUTCOMES: Describe key outcomes (both positive and negative) across the agri-food system in terms of changes in the capital base. Not all parts of the value chain may have significant impacts on the capital base. Include changes in geographic areas outside the scope of the value chain itself.

VALUE CHAIN STAGE	OUTCOMES – change in the capital base			
	Produced capital (incl. financial)	Natural capital	Human capital	Social capital (incl. institutional context)
Agricultural production				
Manufacturing and processing				
Distribution, marketing and retail				
Household consumption				

TABLE 5. IMPACTS: Summarize the key impacts across the agri-food system, both positive and negative, in terms of contributions to human well-being. Include here impacts in geographic areas outside the scope of the value chain itself.

VALUE CHAIN STAGE	IMPACTS – value additions			
	Economic	Environmental	Health	Social
Agricultural production				
Manufacturing and processing				
Distribution, marketing and retail				
Household consumption				

ANALYTICAL QUESTIONS:

Q1: Farmer co-operative – Can the framework support conversations with government about our community's overall well-being and livelihood?

Q2: Household – What information would you need to make a more informed consumption decision, and is it covered in the framework?

Q3: Government – Does the framework support a discussion of policies across government (i.e. beyond agriculture) in support of the SDGs?