

# Intensifying the Food Supply and Distribution System (FSDS) towards a food secure city region

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## INTRODUCTION

The challenge of sustaining and making the food system inclusive and resilient necessitates a comprehensive approach, which considers food as a central element in development planning to guarantee the right to food of the people. The critical dimensions of the FSDS require transformative development interventions towards food and nutrition security and strengthened rural-urban linkages in the food system.

The study generally aims to provide inputs on *how strategic planning, through development and spatial strategies, can enhance the FSDS of a high value crop (tomato) in peri-urban areas.*



## METHOD

- Focus on the FSDS of a high value crop (tomato)
- Adopt Value Chain Analysis (VCA) to characterize the FSDS of a high value crop in a city region
- Gather primary data from experts/key informants from local and national government agencies and various FSDS players (farmers, traders and retailers)
- Visit to farm areas and key markets
- FSDS process mapping in three geographic levels: macro, micro and meso levels from input provision, production, trading and final sale of the crop
- Identify TSDDS constraints and opportunities
- Formulate development and spatial strategies for FSDS



## RESULTS

### TSDDS Process Map: Key Players and Functions

	Input suppliers	Farmers	Traders	Retailers / Wholesalers	
<b># players</b>	34	1,039	81	--	
1. Market control power - Top/down price setting	●	○	●	●	High
2. Information flow control - Closed / restricted market information systems	●	○	●	●	Low
3. Satisfaction in regards to relationship among players - No collaborative schemes among stakeholders.	Just ok	Just ok	Just ok	Just ok	Medium
	<b>Verticality</b> = 1. Medium - High 2. Low - Medium 3. Low - Medium				Preponderant verticality in TSDDS relationship

● High - medium influence  
○ Medium - low influence

### DEVELOPMENT STRATEGIES FOR FSDS

- Strengthen programs that incentivize the consolidation/reinforcement of tomato producer's association and cooperative
- Bolster financial management education programs for farmers
- Upgrade information systems platforms
- Establish 'Market Information Infrastructure' including Price Monitoring Board

### SPATIAL STRATEGIES FOR FSDS

- Undertake regional initiatives to incentivize 'Intelligent suburbanization': multi-functionality of agriculture through urban farming/gardening-organic gardening (Bio Intensive Gardening)
- Adhere to effective land use regulation and regulate unabated conversion of prime agricultural lands
- Promote research agenda on local and community TSDDS of vegetables



## CONCLUSIONS

- Existence of a preponderant verticality in the TSDDS players' relationship where traders and retailers control the buying and selling prices of tomatoes.
- The distribution sub-system of tomatoes showed a relatively good performance considering the availability of transportation infrastructure; adequacy of vehicles for tomato distribution; and the sufficiency of storage facilities.
- The supply sub-system of tomatoes demonstrated a negative performance due to the high rate of productive land conversion to residential uses; and the weak bargaining power of farmers compared with the other TSDDS players.

