



Developing Appropriate Logistics for Perishable Goods and the Integration of Smallholders Farmers

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Challenges of the Small and Rural Farms

- Being small farms
 - Lack of financial capital and small production below threshold capacity
 - Poor costs and operation efficiency
 - Low product quality
- Locality
 - Distance from the collection centers, market and exit port
 - Poor access to reliable information
 - Physical inaccessibility due to terrains, poor transport infrastructure
 - Incur higher transportation costs in produce delivery
- Production decisions
 - Lack of knowledge and information result in the inability to decide what, when, how and how much to grow?
 - What capacities of the small farms able to engage into the Supply Chain System
 - What motivations are needed to want to engage into the Supply Chain System
 - What competencies are needed of small farmers to enable them into the System

Opportunities of the Small and Rural Farms

Advantages of small farms

- Direct and precise control of farm operations
- Detect crop problems quickly
- Personal attention to crop care

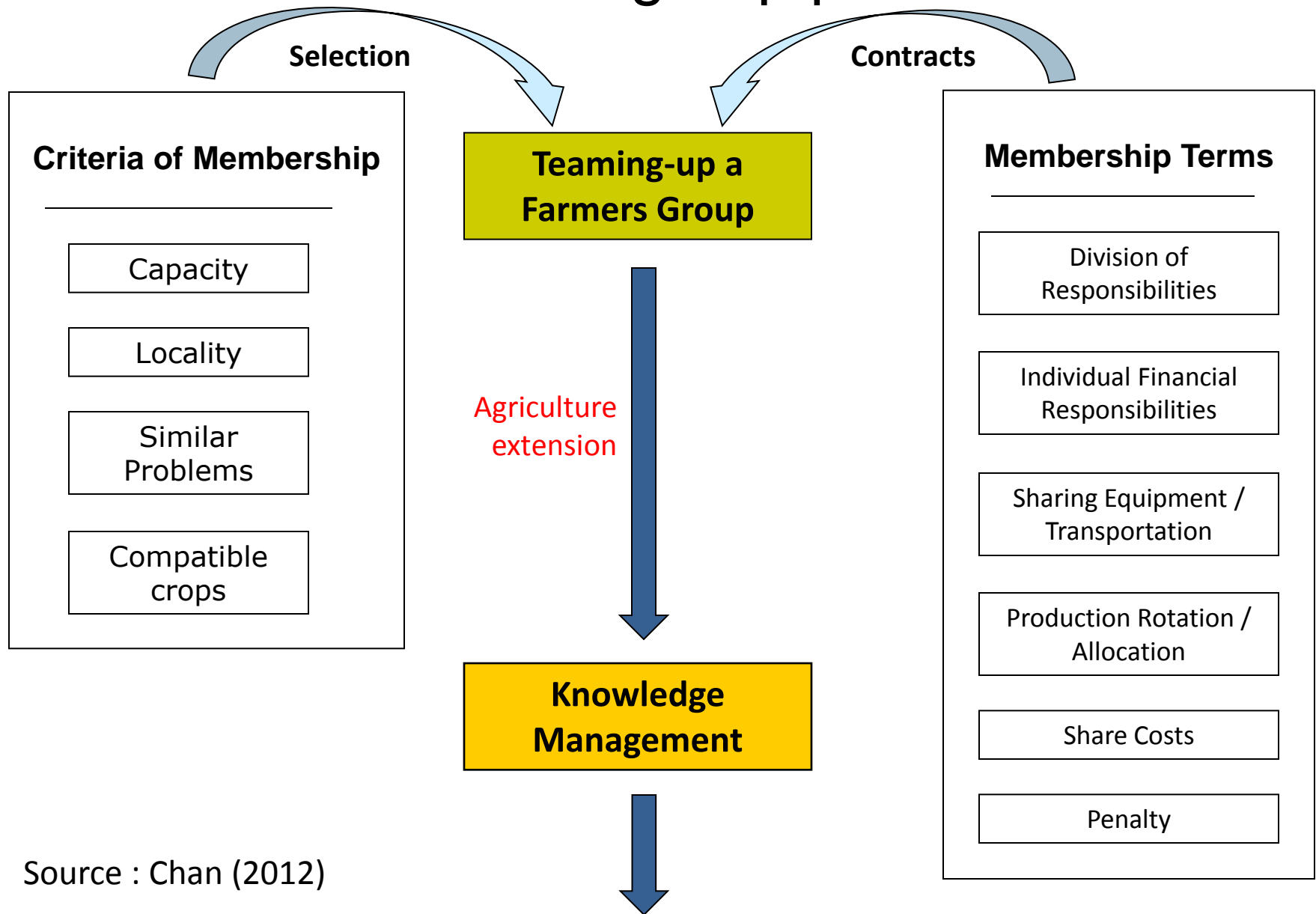
Opportunities available to small farms

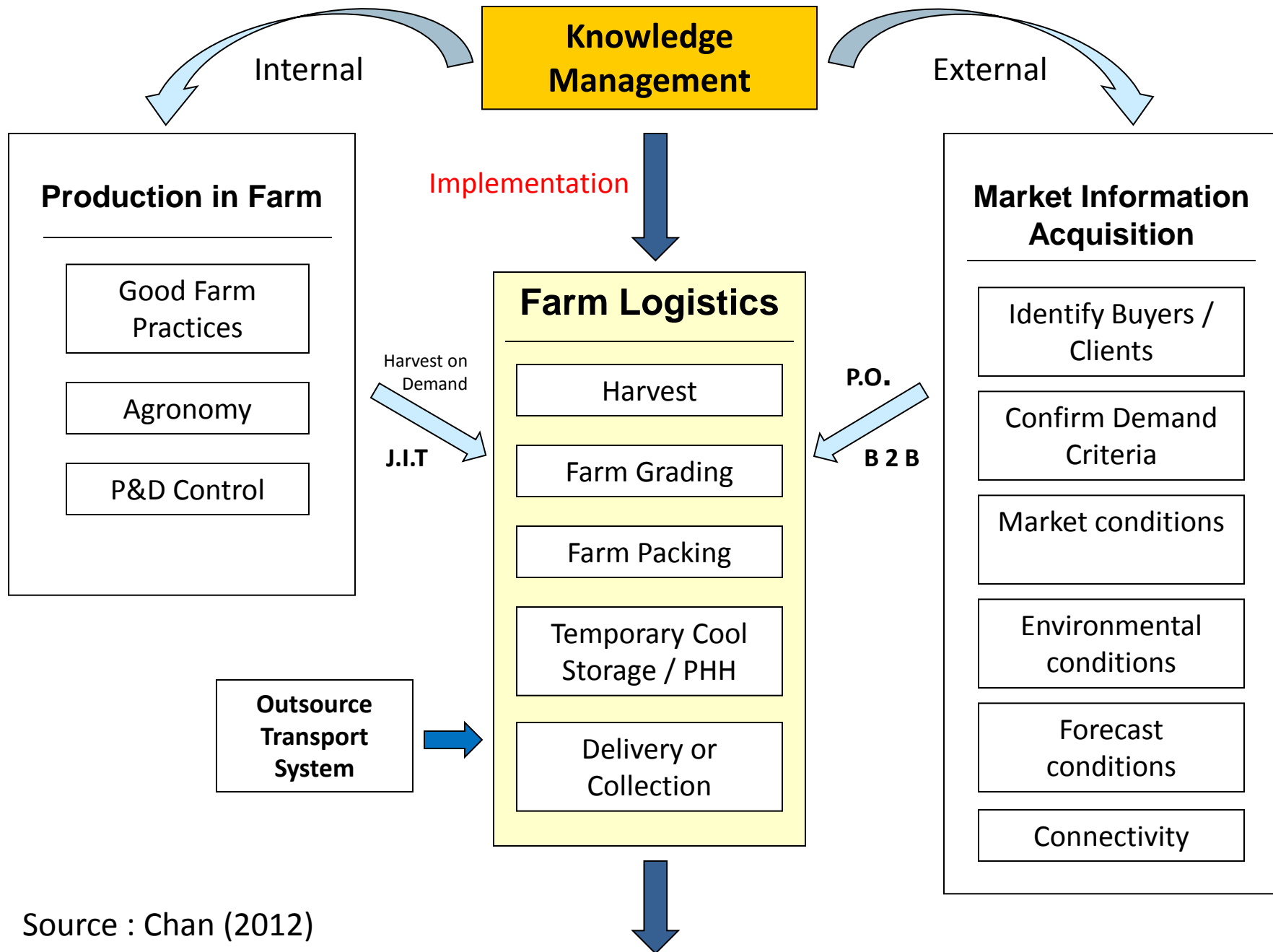
- With global changes, new markets become available and accessible
- Niche marketing
 - Innovate farm techniques
 - Innovate marketing approaches
- Add value to products
 - Safe food
 - Rare cultivars / varieties
 - Differentiated produce
 - Quality Certification
- Develop supply chain networks

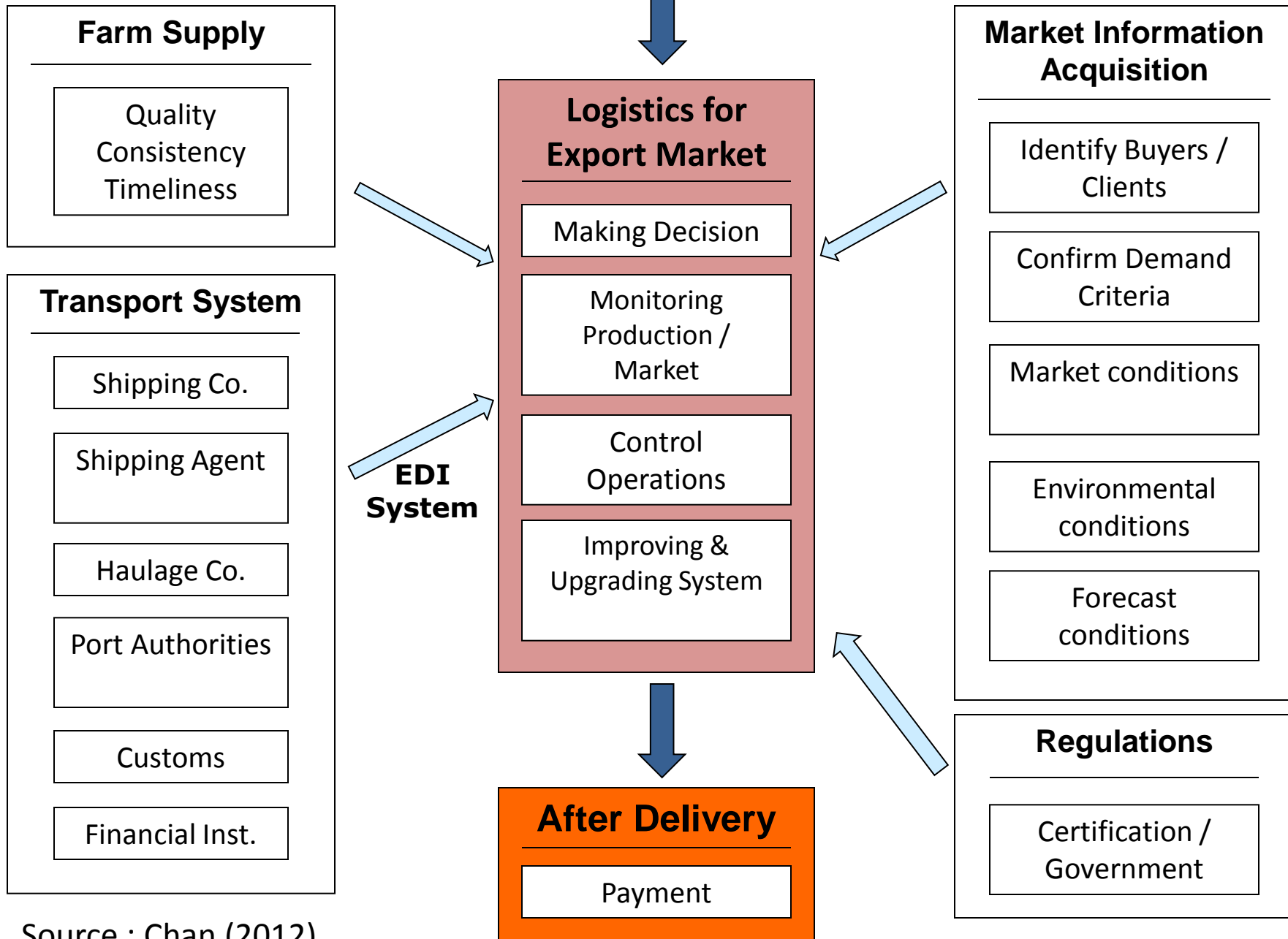
Determinants of an Efficient Logistics Management Program

- Timing – correct time of implementation, shortest transit route
- Reliability – right time of departure / arrival
- Consistency – doing it again and again
- Quality – best quality condition
- Performance – full satisfaction of the customer
- Cost – most efficient logistics cost, economies of scales, inventory
- Price – most competitive price
- Sustainable logistics system – fuel resources, transport mode, etc
- Others – Security, Highest capacity utilization, Responsiveness, etc.

Developing a logistics model for the small & rural farmers group production

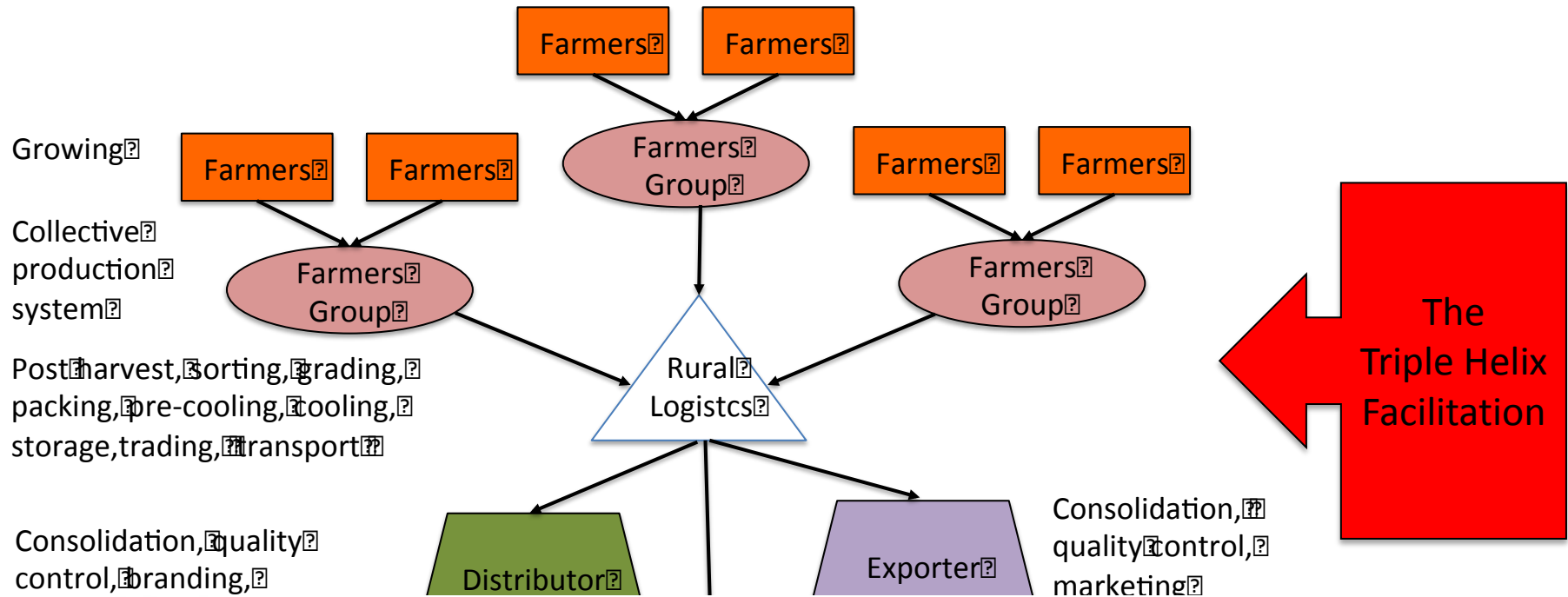






Source : Chan (2012)

Facilitating Trade and Developing Appropriate Logistics of Small Farmers



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https://www.yunbaogao.cn/report/index/report?reportId=5_5009

