



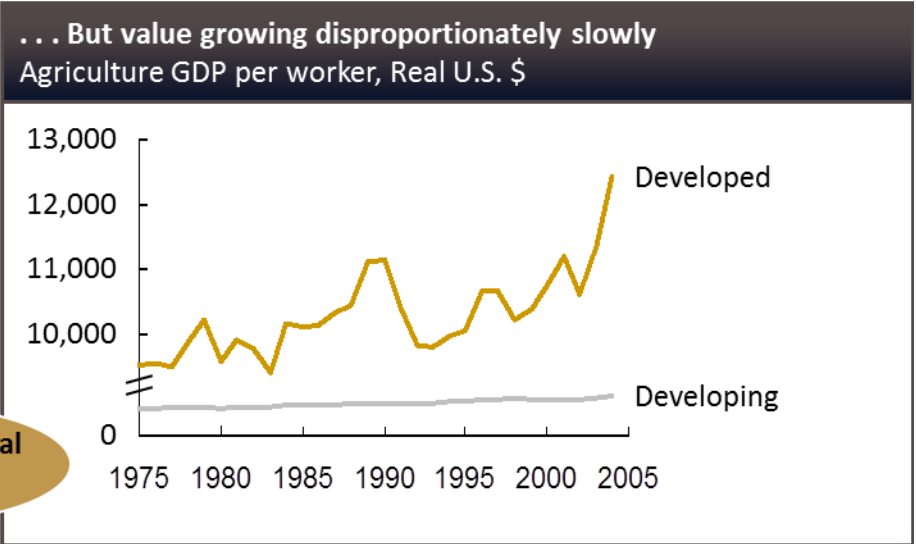
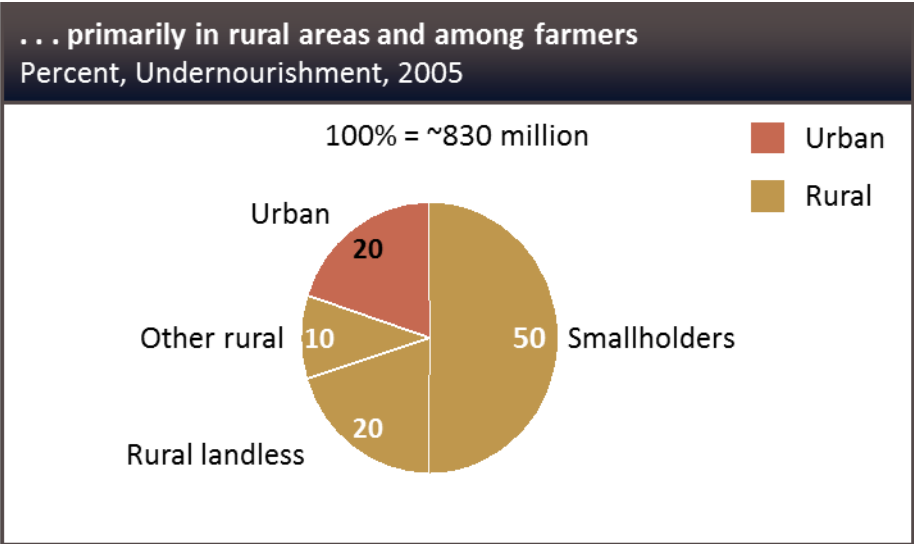
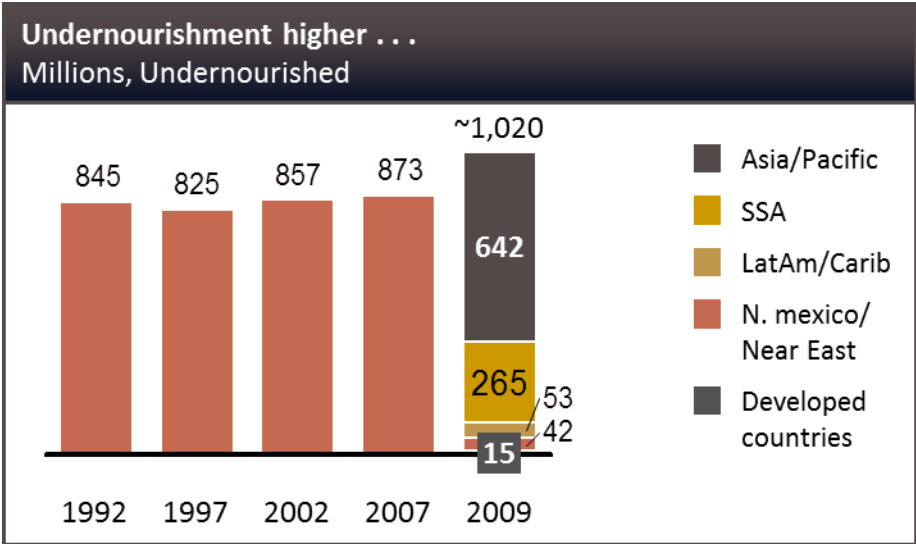
# Changing the agri-food business through new partnership structures

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**Mexico City, 29 September 2016**

# Agriculture needs to improve, to better fulfill its social and economic potential



# Globally agriculture planning is moving quickly and solutions which have worked before may not be relevant any more

Yesterday's approaches . . .

. . . may not work tomorrow

## Resource utilization

Convert potential arable land to cropland



Diminishing land availability, soil degradation, high environmental cost

Rapid scaling of irrigated land area, overdraw on groundwater



Depleted ground water stores render urgent water efficiency measures

Agriculture's environmental impact accepted or ignored



Environmental sustainability as necessary stipulation

## Productivity growth

Reliance on increased yields in developed countries



Yield growth in developing countries vital to meet global demand

Acceptance of low smallholder productivity



Difficult to feed growing populations with imports/food aid

## Improved crop mix

Priority on calories and increasing cereal production



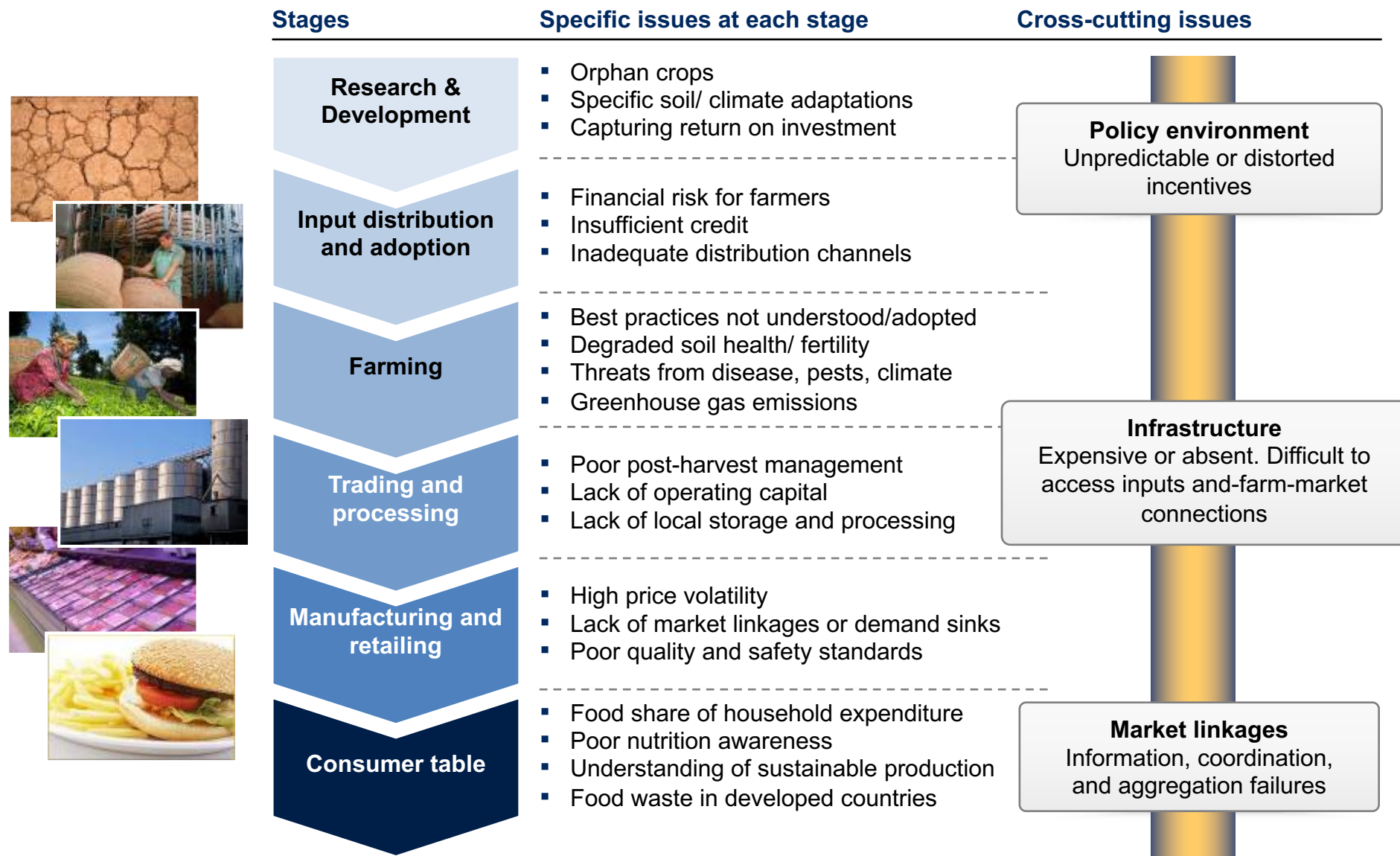
Importance of crop diversity, nutritional content and food affordability

Focus on yield and output produced

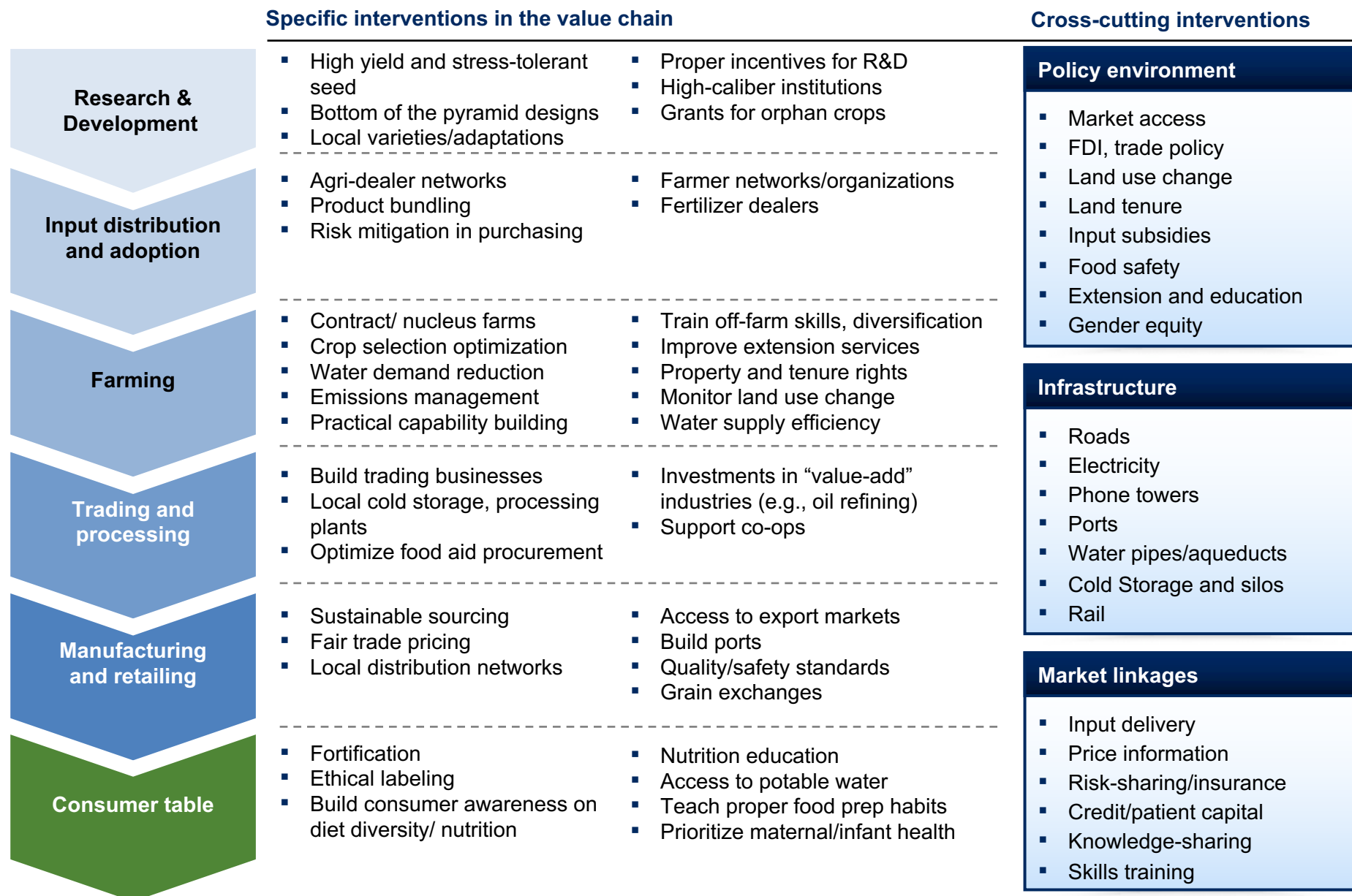


Efficiency in whole value chain necessary for access, food security





# Significant issues exist at every stage of the value chain which hinder progress



# Public and private sector decision makers are already engaging on many specific interventions



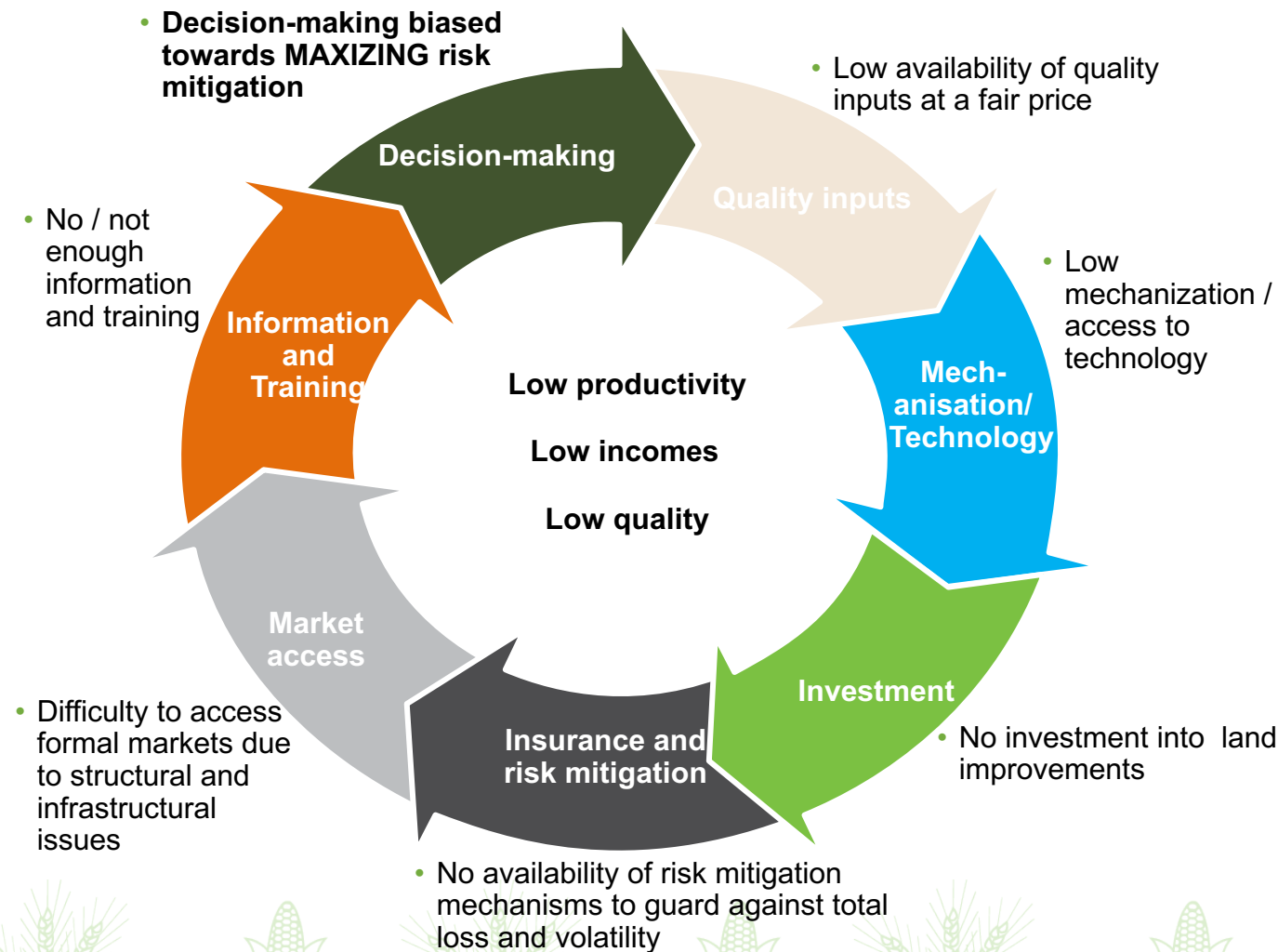
# A better understanding is required of the optimal tradeoffs between different stakeholder needs and also what results can be achieved

	Definition	Country example
<div>1</div> <div>Agriculture GDP</div> <div></div>	<ul style="list-style-type: none"><li>What is the best way to increase the <b>quantity and value</b> of the agriculture production in the country?</li></ul>	<ul style="list-style-type: none"><li><b>Rwanda</b>: maize yields increased 2x, and agriculture GDP reached 7%/annum</li></ul>
<div>2</div> <div>Smallholder income</div> <div></div>	<ul style="list-style-type: none"><li>What is the best way to <b>increase the incomes of smallholder farmers</b> – out of subsistence, and poverty?</li></ul>	<ul style="list-style-type: none"><li><b>Morocco</b>: smallholder income increased from \$1000 to \$3000</li></ul>
<div>3</div> <div>Internal food security</div> <div></div>	<ul style="list-style-type: none"><li>What will it take for the country to be <b>food secure</b>?<ul style="list-style-type: none"><li>– Which <b>staple crops</b>?</li><li>– How ensure <b>food balance</b>?</li></ul></li></ul>	<ul style="list-style-type: none"><li><b>Ghana</b>: vision to increase rice self-sufficiency from 30% to 70%</li></ul>
<div>4</div> <div>Sustainability</div> <div></div>	<ul style="list-style-type: none"><li>What is needed to ensure a balance between increased agriculture production, and <b>environmental sustainability</b>?</li></ul>	<ul style="list-style-type: none"><li><b>Global</b>: preserve X% of forest by integrating agriculture and forestry initiatives under REDD+</li></ul>



# Most significantly, subsistence farmers (smallholders) are stuck in a poverty trap preventing them from improving their livelihood

## Subsistence farmer poverty cycle



### Situation analysis

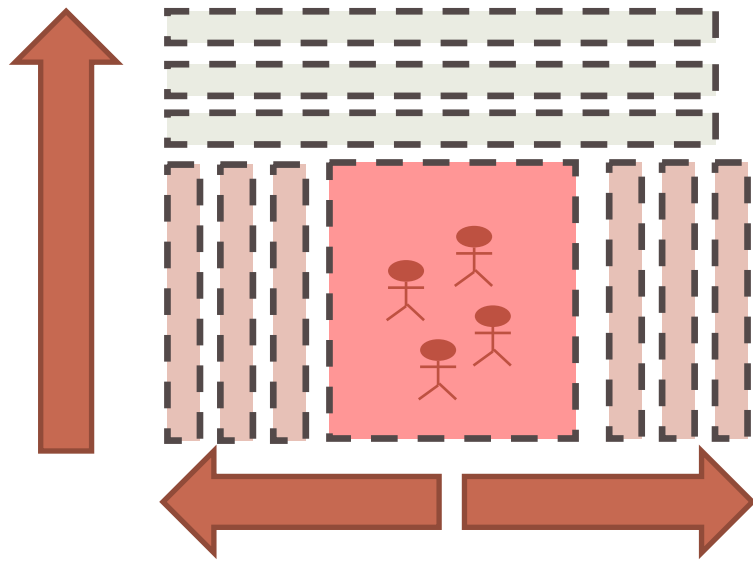
Smallholder farmers fall outside the formal supply chain

It is possible to break this vicious cycle without subsidies and donor grants etc.

- Innovations in the existing supply chain structure are required

There is a need to create conditions which allow farmers to “widen” and increase the margin pool, as well as define non-farming enablers that support increased incomes and productivity for farmers

### Project objective



- 1 **Restructure the value chain** in order for the small holder to take a larger part of the margin pool between input products and the delivery of finished products to the market
- 2 **Build small holder capabilities** in order to increase the size of the margin pool through better yield and higher quality products
- 3 Involve stakeholders (government, private companies, NGOs) in order to **identify and address critical non agriculture related enablers** and blockers to smallholder success

- Cooperatives models have also tried to achieve increased incomes for the farmers, but in most cases not succeed for various reasons, including:
  - Lack of capability in managing all aspects of the value chain on a commercial basis
  - Expecting farmers to develop commercial and business skills across the board, even with limited education levels
  - Dependence on government subsidies to make the model function and subsequent political interference



**Most of the food and agriculture focused companies want to help increase smallholder farmer incomes, especially since there are not many alternative opportunities available in rural areas to absorb marginal farmers**

**To leverage the value chain opportunities companies/investors need the following:**

Well defined and transparent investible projects/opportunities

Viable last mile implementation mechanisms, especially those connecting smallholder farmers

Legal and regulatory certainty around the potential investments, including a level playing field

Risk sharing/mitigation mechanisms, which also lower the costs of reaching the various stakeholders along the value chains

An acceptance on part of financial players and investors to create innovative solutions to meet the funding needs of the stakeholders along the value chains

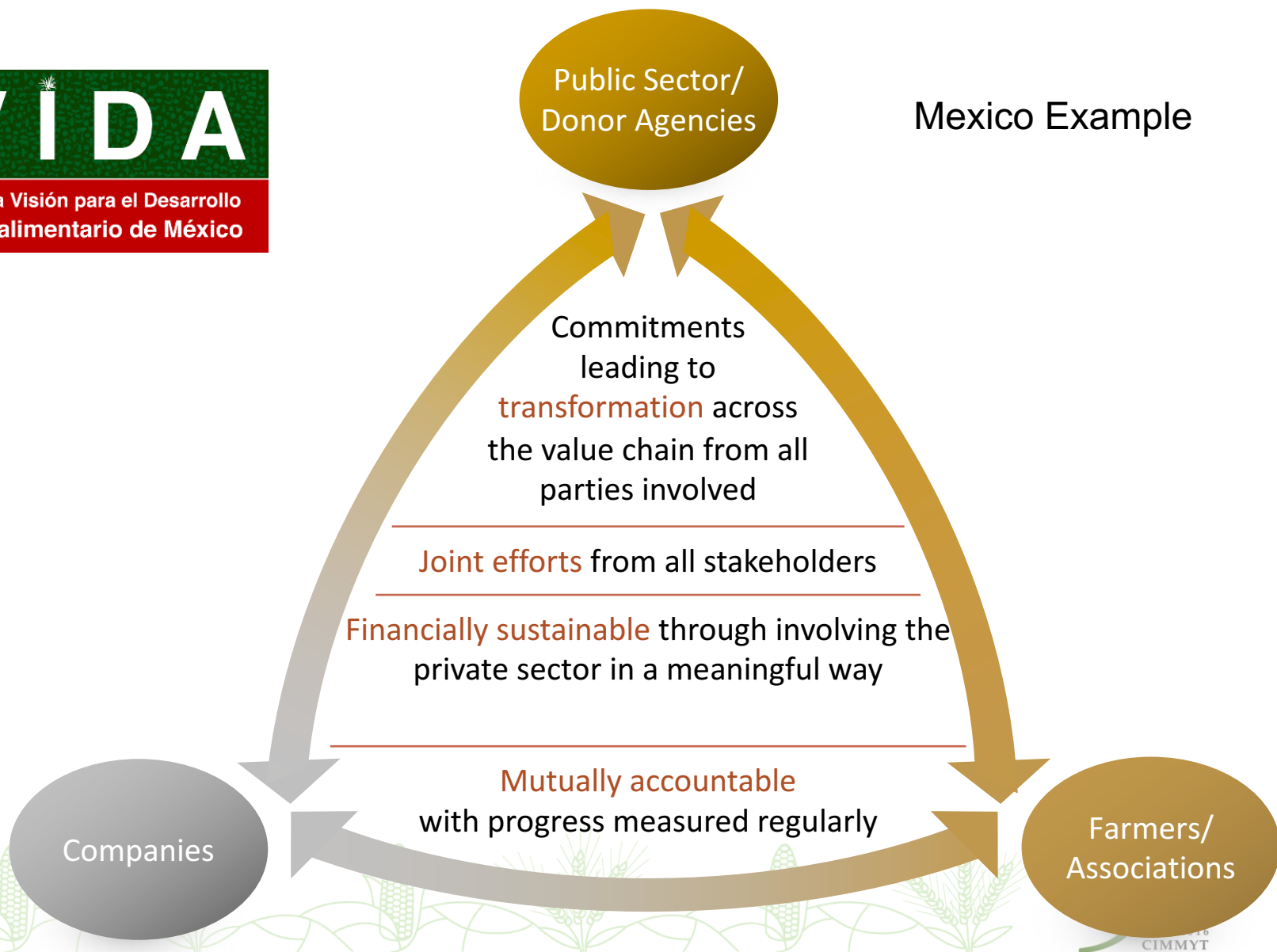
**Agriculture sector companies and other stakeholders also need to change their business as usual approach:**

- Huge opportunities for players willing to collaborate along the value chains
- Advantages in reduced costs per unit sold due to sharing of distribution channels
- Creation of more robust value chains due to increased interaction and integration between the players along the value chains
- Reduced risks for the financial institutions in funding integrated value chain projects, leading to reduced collateral requirements

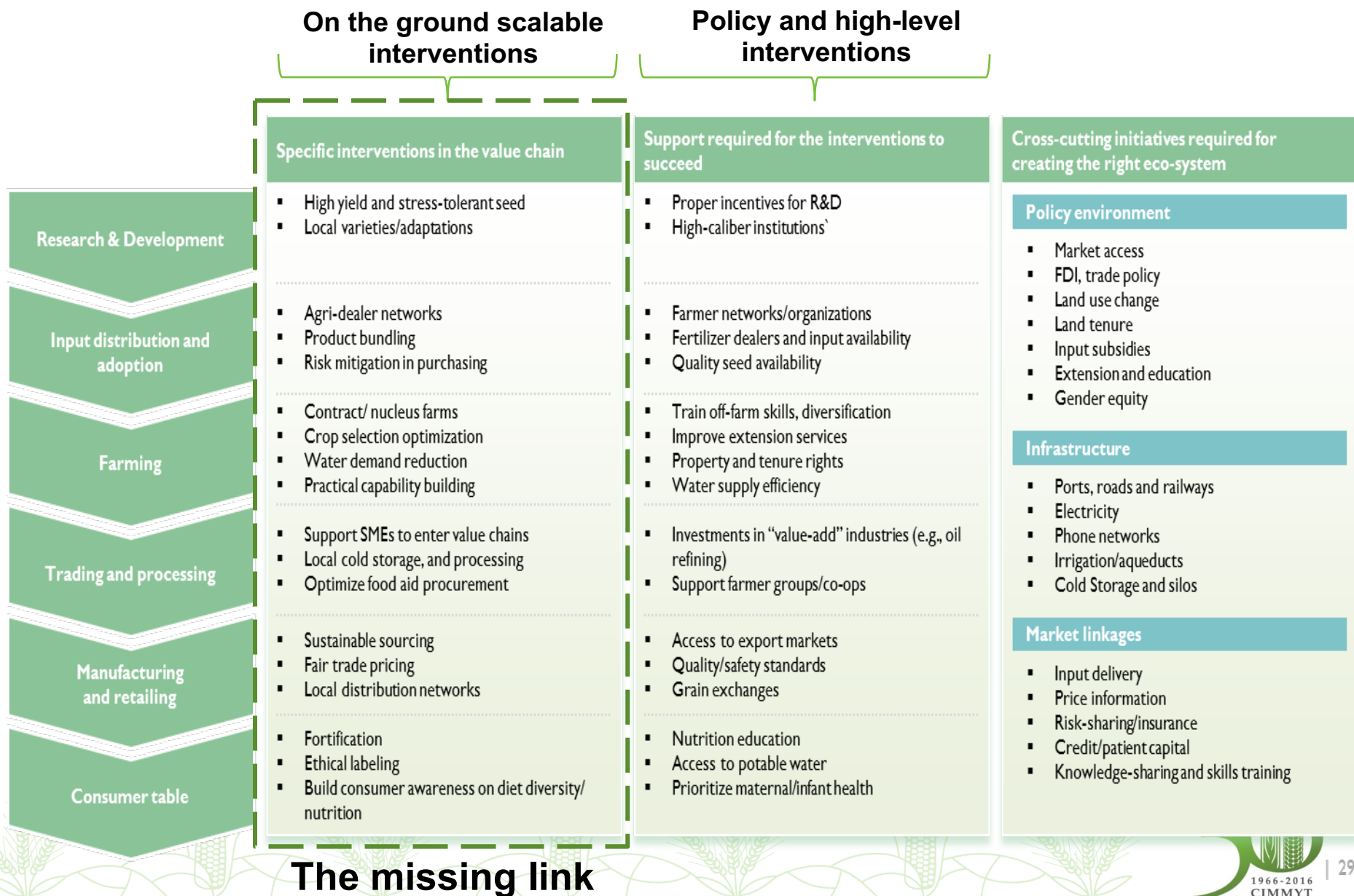
In addition to companies; governments, global organizations and most importantly farmers are now willing to collaborate with each other to help improve existing agriculture and supply chains through PPPs



Mexico Example



# Innovative Public Private Partnerships are being set up to develop value chains in an integrated manner



# The PPPs are also testing an innovative field model to achieve inclusive growth. A Special Purpose Entity (SPE) is proposed to create and manage integrated value-chains

## SPE model

- To achieve inclusive growth in a cost efficient manner companies, governments and farmer associations need to:
  - Come together and create complimentary supply chains through SPE's in limited and well defined geographic zones
  - Leverage on Information & Communication Technology (ICT) tools to reach out and make supply chains more efficient
  - Accommodate the cyclical nature of farmers' cash flows
  - Adapt product and services to circumstances present in particular rural areas
  - Fix margins and ensure a transparent cost structure towards both ends of **the supply chain**<sup>1</sup>

Reach out to geographically dispersed small holders through a direct supply chain that guarantees:

- Transparency
- Fair trade
- Price stability; and
- Traceability

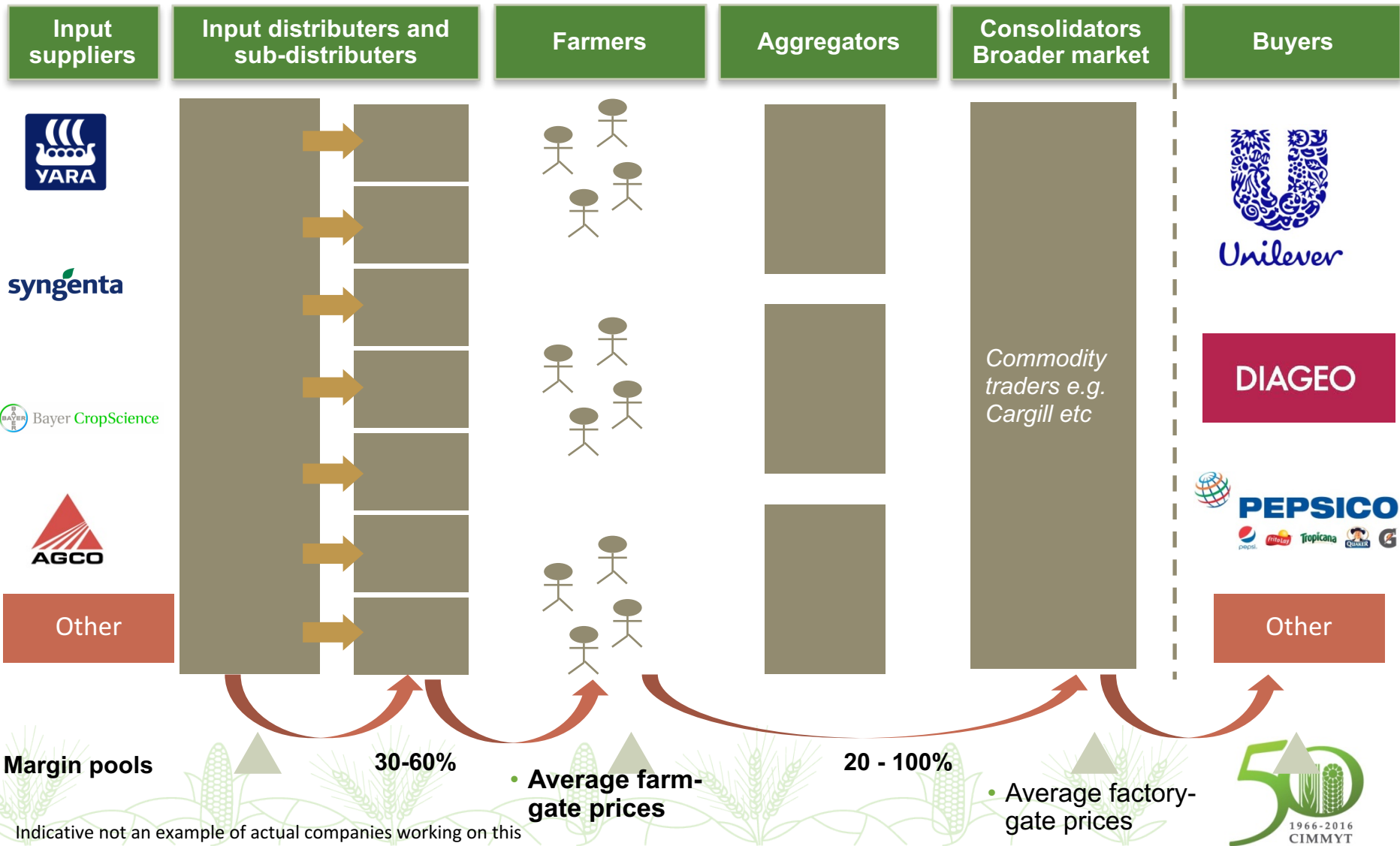
1. Critical condition to ensure that the SPE does not convert into a monopoly provider



**Agriculture supply chains in most emerging markets are not efficient.  
Leading to uneven value distribution along the chain not related to risk  
taken by various players especially smallholder farmers**

**Existing value pools**

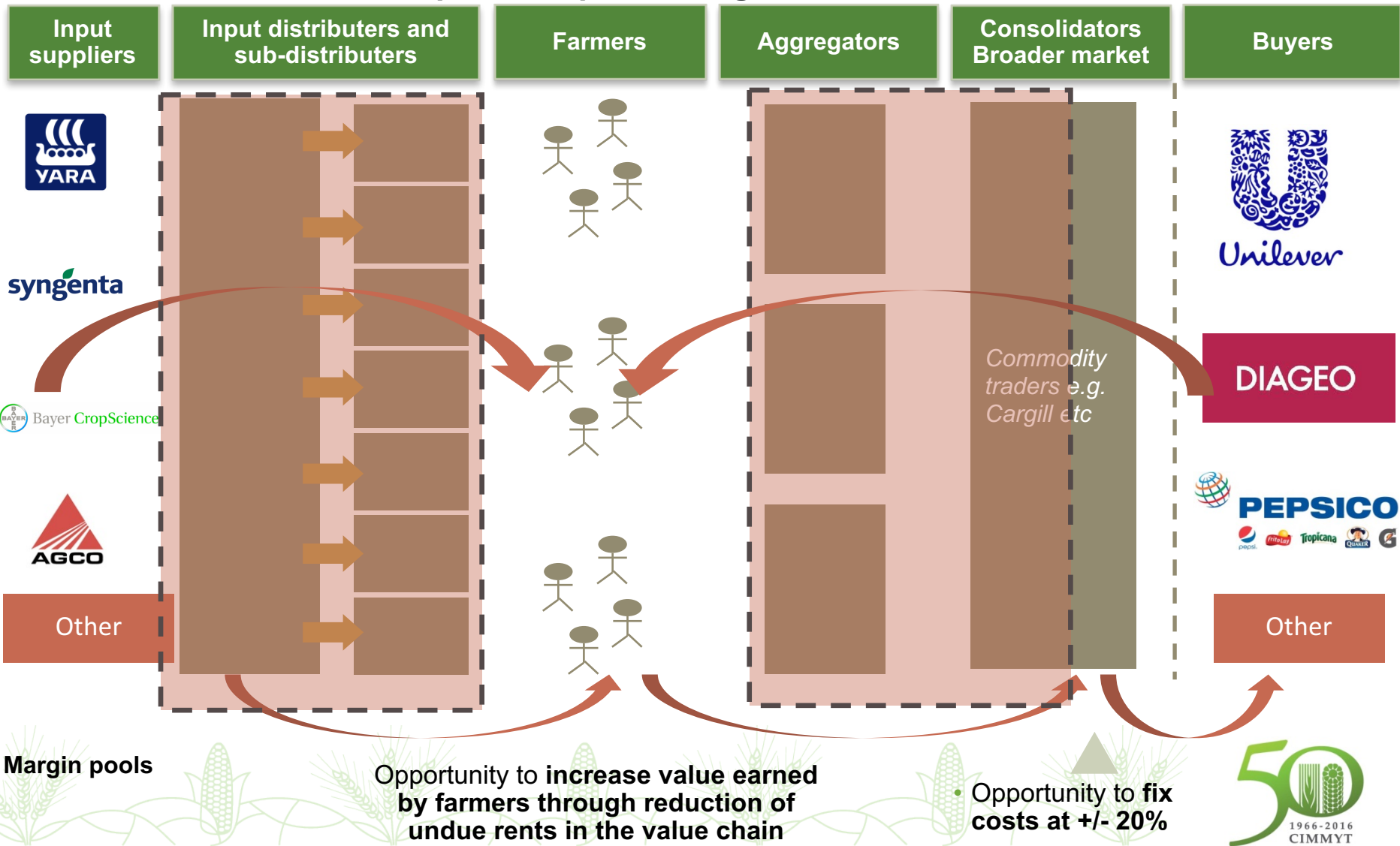
Example



# The value pool distribution can be made more efficient through improved information flows backed by alternate access channels, that allow the farmers to earn more money without noticeably increasing factory-gate prices

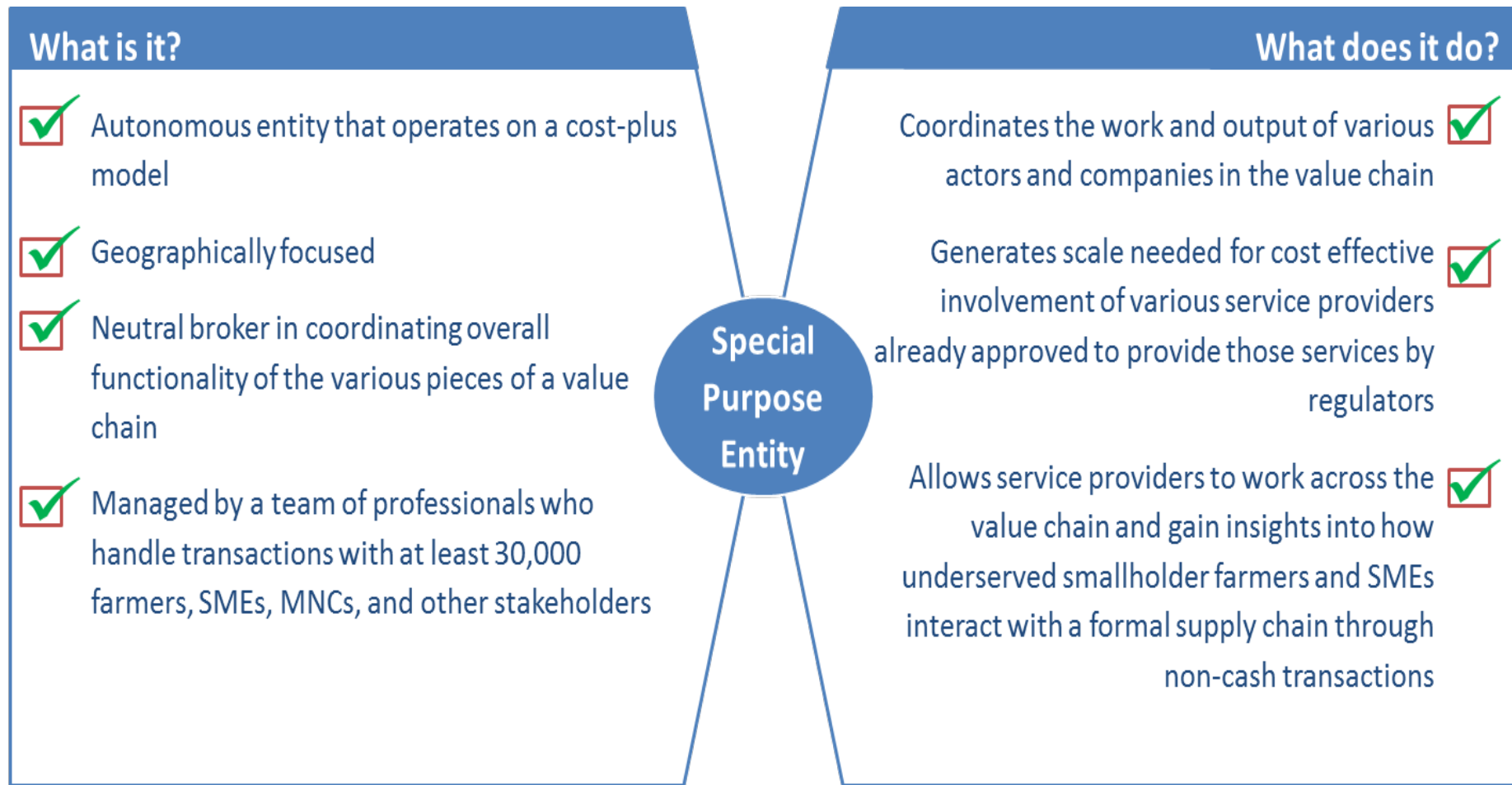
## Alternative access channel potential positioning

Example





# The SPE coordinates the work and output of several actors and companies in the value chain on a cost plus basis



# The proposed SPE ownership structure includes farmers, companies and NGOs initially, with farmer associations increasing their stake over a period of time

## SPE structure

Parties	Examples	Provides
Government	<ul style="list-style-type: none"><li>• Department of Agriculture</li><li>• Department of Trade and Industry</li><li>• Department of Finance</li></ul>	<ul style="list-style-type: none"><li>• Regulatory basis, for PPPs, policy structure to support contract farming, outreach to farmer groups, trust and confidence building with farmers</li></ul>
Private sector	<ul style="list-style-type: none"><li>• Input providers (seed, irrigation, mechanisation)</li><li>• Banks, Insurance companies</li><li>• Consumer companies (e.g. Pepsico, McCain)</li></ul>	<ul style="list-style-type: none"><li>• Input, off-take agreements, Expertise, Technology, Resources such as finance and know-how</li></ul>
NGOs	<ul style="list-style-type: none"><li>• Local NGOs (environment, social impact)</li><li>• International NGOs (e.g. ITC)</li></ul>	<ul style="list-style-type: none"><li>• Urgency, Expertise and know how</li></ul>
Farmers	<ul style="list-style-type: none"><li>• Smallholder farmers</li><li>• Farmer groups / organisations</li></ul>	<ul style="list-style-type: none"><li>• Produce</li></ul>



**Next steps and on going partner engagements, involve testing and validating the model; as well as setting-up data gathering mechanisms to determine future projects**

### **Next steps and on going partner engagements**

- Conduct workshops across the different countries in Africa and Latin America to explain the model to relevant stakeholders and set-up data collection mechanisms, especially in conjunction with local governments and academic institutions
- Launch multiple pilots with farmer groups and associations to test the engagement model and its impact
- Work with potential investors and value chain players to validate the efficacy of the investment returns via the proposed engagement model
- Extensive discussions with national governments to identify priority strategic themes, which can then inform the design of higher priority investment projects
- Find potential partners who can benefit from transparent data sharing and farmer group engagement and potentially hand over the data management tools to them



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**There is a critical need to create practical structures which allow complex PPP arrangements to efficiently and quickly implement projects on the ground**

### Key attributes of the SPE

- The SPE will be a not for profit social impact organization with a fixed cost and margin structure focused on buying, processing and selling agricultural products
- A balanced structure with equal equity ownership between all parties (either up to 80% or 100%)
- Board of Directors/Governors will oversee the SPE activities and actions of the entity
- Decision-making will lie with an independent management team
  - Initially appoint CEO and CFO
- Articles of Association will be drafted by a legal team and govern the entity
- Farmers may initially not form part of the SPE:
  - Trust and confidence in the structure will be built with the farmers
  - After the first few harvests, farmer benefits will be tangible and it will be recognized that the SPE structure is a commercially viable one
  - At this point, farmers will be given the opportunity to hold an equity stake in the entity