

Roundtable: Opportunities and challenges to enhance micro analysis of agriculture and rural

Lionel Cosnard

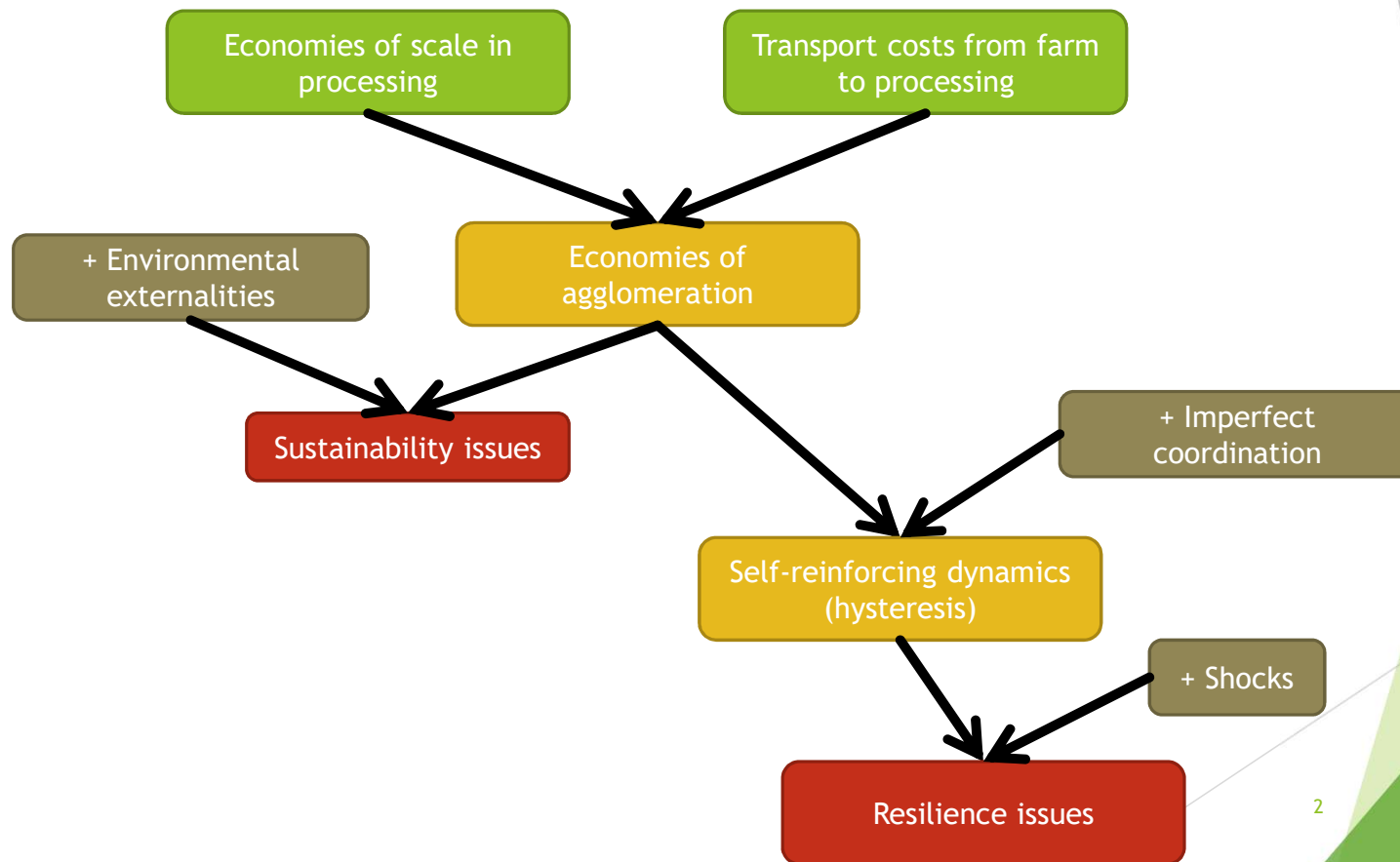
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Agglomeration effects in local agri-food chains: a reason to look at both farm and firm data



Opportunities and challenges

- ▶ **What could we look at with farm and firm data? What could it show us?**
 - ▶ Co-dynamics of local farm sector and processing industry (+ ag input suppliers)
 - ▶ Effects of shocks on these dynamics (weather, markets, diseases...)
 - ▶ Existence and size of economies of agglomeration in agri-food chains
 - ▶ Optimal distribution of production to maximize sectoral productivity and minimize local negative externalities
 - ▶ Resilience determinants for local agrifood sectors, including:
 - ▶ Economies of scale and transport costs
 - ▶ Coordination tools between producers and processors (markets, contracts...)
 - ▶ Effect of local market conditions on farm and firm economic performances (competition, monopoly and monopsony)
- ▶ **What would we need? What would be the challenges?**
 - ▶ Access to data
 - ▶ Economic data on farms and firms including: prices, sizes, production, product mixes, costs, incomes, investment, contracts, ...
 - ▶ Data on the localisation of farms and firms (numbers in regions, precise location, transport routes)
 - ▶ (Environmental data)
 - ▶ With sufficient geographical and sectoral detail
 - ▶ With sufficient geographical and time scope
 - ▶ Appropriate methods of economic analysis for spatial and time dynamics
 - ▶ Econometrics/modeling