

## **Agricultural policy in developing countries**

(Preliminary work by Stéphane Cordier)

Potential partnership with the AFD.

**Question** : which regulation between food production ( $LP$ ) for the local market and production for export ( $EP$ ) ?

### **Assumptions**

$LP$  :

- to increase food self-sufficiency.
- to reduce the dependence with respect to the international market.
- to locally reinforce the coupling between commercial exchange and social bond.

$EP$  :

- to acquire currencies necessary to the development of the infrastructures.

### **To be taken into account**

- The government must pay its debt, its functionaries and maintain peace downtown. Needing for currencies it influences the choice  $EP$ .
- Time shift between cycles of price (demand/supply) and adaptive answers of the producers (investments).

**Criterion** of *MinMax* type (risk/income), optimization of the distribution  $EP$ ,  $LP$ , minimization of the foreign aid...

## **Oil, transport and mass retail organization**

(Preliminary work by Stéphane Cordier and Simona Mancini)

Potential partnership with Carrefour.

**Question :** Will the oil price increase and the development of Internet deeply modify the mass retail organization ?

### **Assumptions :**

- The part payed for gasoline in the cost of the caddie will become too important.
- There is a will to reinforce the coupling between commercial exchange and social bond.
- The development of the trade on Internet offers new prospects.
- The end of hypermarkets times is considered and studied.

**The game :** Depending on different patterns, quality of life aspects, local urbanism, distance from the hypermarket, type of foodstuff, produce, etc... how to modelize and simulate the distributiton between three kinds of organizations :

1 Let's go to the hypermarket. 2 Internet + delivery. 3 the hypermarket is replaced by many corner store.

## The distribution of biological farming products

**Question :** How to develop this trade ?

### Assumptions

- The diffusion of this kind of products is limited because of costs.
- The producers are small and scattered.
- The transport cost is concentrated in the changes of transport mode and the freighter is always better than the van !...
- This trade can reinforce the coupling between commercial exchange and social bond !...
- It must be considered together with health policy and land settlement.
- One must take into account the spreading out of farmings : corn in north, olives in the south (macro), fifty frogs producers around Orléans without any collective organization (micro).
- One must take into account the culture gap that may exist between stakeholders. In general, the ties prefer ties...

### Criteria

- Energy expenditure
- Distribution between mixed and single-crop agriculture (potential partnership with AgroCampus-Rennes and a farm (650 ha) in Ile de France)
- The size of the production unit.
- the developpment of sustainable.