

# Energetic crisis and space reconstruction in Senegal

### **Traditional crops vs biofuels?**



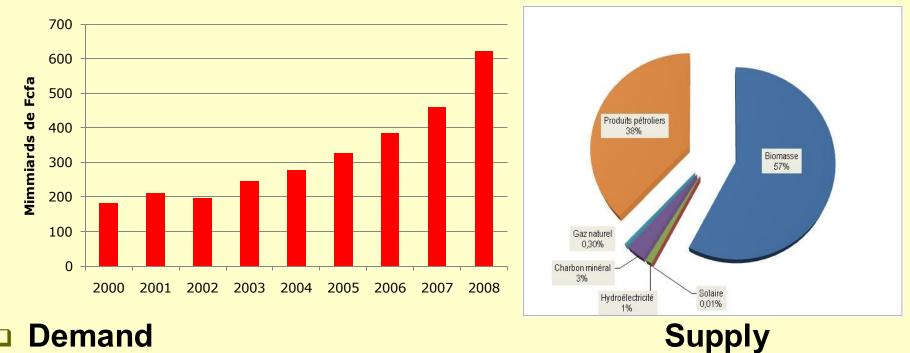
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**ISRA-BAME** 

Dakar AGRODEP Meeting, June 7 2011

# Senegal: Energy context

#### Strong dependence vis-à-vis oil imports



Troubles in domestic supply, industrial & other business Sectors

# Energy policy in Senegal: main features

#### □ Letter of development policy of the Energy Sector (LPDSE) (1997 & 2003)

- Eliminate inefficiencies
- Reduce supply costs supported by consumers
- Promote the investment and the development of the sector
- Restructure Electricity sub-sector & Governement disengagement
- Strengthen competition conditions in hydrocarbons
- Consolidate management of ligneous resources and role of local communities

#### Biofuel Special Program(2006)

- 321,000 ha of Jatropha to be sown between 2007-2012
- 1,000 ha/ rural community
- Cost estimated at approximately 65 billion of FCFA (approx. 130 millions U.S. dollar)

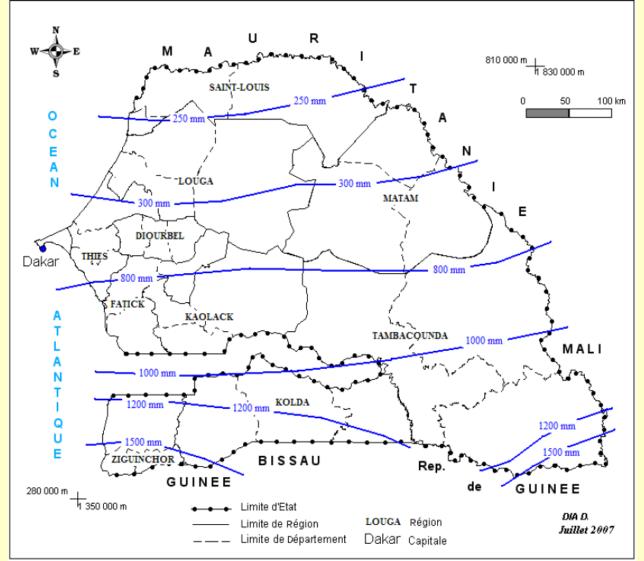
#### **LPDSE**, 2008

- An energy supply of quality, sustainable and less expensive
- Promote the access to modern energy services to populations
- Reduce vulnerability vis-à-vis global oil market

#### New Strategy including biofuels and renewable energy

## **Biofuels : favorable physical factors**

- **Tropical Climate**
- Temperatures
- Precipitations



# Biofuels vs traditional crops?

## □ *Jatropha*, (field boundaries, quickset hedge)

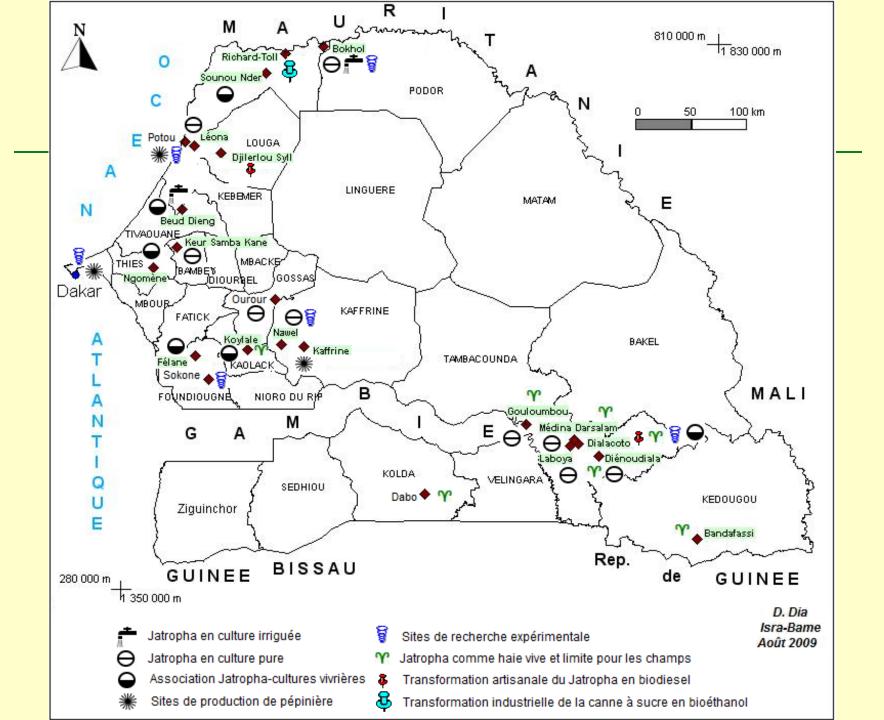
- Preventing social conflict
- Crop protection

## Jatropha, Exclusive plantations

- In the jatropha special program, this layout was intended for degraded lands
- Currently, the inventory of degraded lands does not seem to have been conducted throughout the country
- Space recomposition with private investors

## Jatropha in association with other crops

 Since the begining, Governement distributes seedlings and seeds to incite farmers to plant Jatropha



# Biofuels vs traditional crops?

Rate of projet execution: 1.6% between 2008-2009

- Heavy Investments too expensive for local producers
  - Private farm holders with enough financial means have relative success
  - Association or competition between crops depends on the economic interest
    - Biofuels vs Traditional food crops do not seem to arise yet.
    - **Risk of competition in the medium and long run**
    - Risk of cash monocrop : food insecurity, rising prices.

# Thank you for your attention

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