

Dakar, Senegal

growing cities – growing food

Background information:

Location: Western Coast of Senegal

Climate:
mean annual temperature: 24,5°-27° C

Total Population: 2,25 million

Population Density: 4,090 pers/km²

Size of the city: 550 km²

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Periurban market gardening of family type.



Periurban green beans production for exports.



Periurban laying hens production.

The main urban agricultural systems

Periurban market gardening systems of family type (around 3,500 farms)

0.1 to 1 hectare/farm - > 70% men-headed

The bulk of vegetables (cabbage, tomato, local aubergine, ...) is sold and contributes to 70% of urban supply

Family size ranges from 10 to 12 persons ; about 3 or 4 of them are full time workers at the farm

Investments are few

Periurban systems of vegetable production based on capital (around 1,500 farms)

1 to more than 20 hectares /farm - > 90% men-headed Production for urban market and exports (green beans, onion, tomatoes, ...)

Modern irrigation (drillings and motor-pumps) and mechanisation of almost all the cultivation techniques

Periurban poultry systems (about 350 farms)

Mostly for sale

> 90% of farmers are men

Mixed production of battery chicken and laying hens

Backyard market gardening and rearing

Vegetables, poultry and sheep for family consumption and sale (women and men)

Horticulture: Efficient Use of Recycled Urban Waste

Dakar, Senegal

For most of Dakar districts, adequate systems of collecting waste water and household rubbish are not available. However, in some districts where these systems exist, wastes are traditionally used as inputs by small market gardeners, without any treating.

The global objective is linking the urban development challenges of food security and health, waste resource reuse, environmental protection and community resource management.

The strategy is a system of integrated and participatory management of waste water and household rubbish.

Target stakeholders are residents of disadvantaged districts.

Urban waste in Pikine.



Residents participating to urban waste recycling in Rufisque.

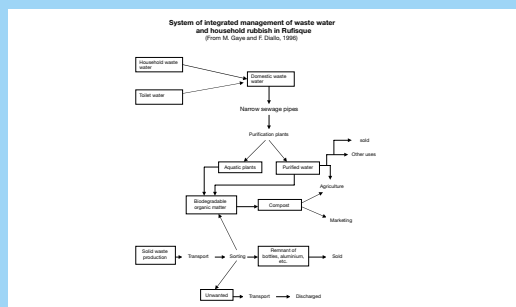


Diagram showing the system of integrated management of waste water and household rubbish in Rufisque.



Market gardening using recycled waste.

Lessons Learned with Relevance to Other Cities

- Horticulture has to be sustained as an opportunity to recycle the high quantities of urban waste in fast growing cities.
- People involved in these activities have shown interest and great capacity in the management of this low-cost system of recycling.
- Opportunities for economic activities and micro-enterprise have been created giving additional employment and income