



PATHWAYS TOWARDS AGRICULTURAL INTENSIFICATION IN THE SENEGAL GROUNDNUT BASSIN A PRO-INTENSAFRICA CASE STUDY



MAIN OBJECTIVE:

To highlight, qualify and understand diversified long term family farming dynamic in a context of demographic growth and climatic changes in dry savanna agriculture.

COUNTRY AND REGION

Senegal, GroundNut Bassin

INVOLVED COMMODITY CHAINS

Dry cereals, groundnuts, livestock, horticulture



The study site : the Health Population Observatory of Niakhar : more than 50 years of data collection on population and environment



CONTEXT

West African “Savana” agriculture with soft intensification through integrated agro-sylvo-pastoral small-holder’s agriculture.

Climatic (dryness) and social economic (demographic growth, urbanization) constraints

Main staple foods: dry cereals (pearl millet, sorghum)

Main agricultural incomes: cash crops (groundnut, market gardening, watermelon). Livestock fattening.

Soil fertility maintenance: mainly based on organic matter recycling (crops-livestock integration, crop/fallow rotation, crop residues and domestic waste recycling). Agroforestry (Faidherbia tree parks). Low mineral inputs.

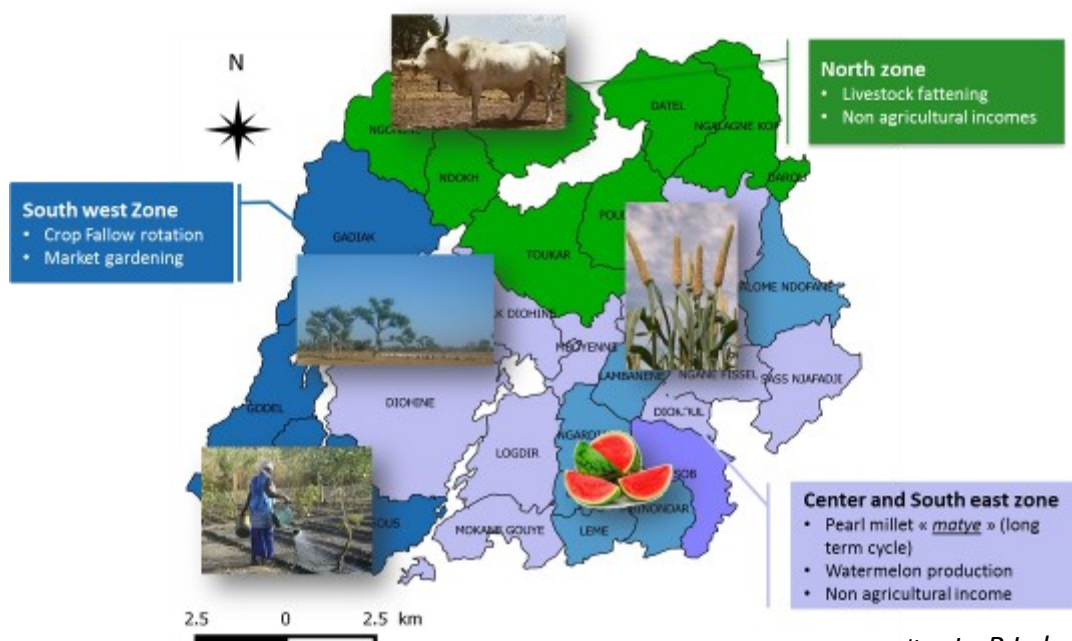
Social and economy : Low incomes and investment capacities.

Many programs across a long time (more than 50 years) of researches, government program, NGO, etc.





PREVIOUS RESEARCH PROJECTS RESULTS : Diversification of agricultural practices



ACTIVITIES OF THE CASE STUDY

Action 1 : Literature review on national and provincial level

Action 2 : Literature review and data collection on the case “Groundnut Bassin – Population health Observatory of Niakhar”

Action 3 : Identified intensification pathways

Action 4 : Opinion from structured stakeholders panels about vision, impacts and outcomes of contrasted intensification pathways

Action 5 : Synthesis and reports

CONSORTIUM MEMBERS

IRD (UMRs ECO&SOLS, LPED, DIADE, LOCEAN, GEAU) **CIRAD** (UMRs SELMET, AIDA, AGAP, HORTSYS, GREEN, R&R) **ISRA** (LNRPV, CERAAS, BAME), **UCAD** (LPAOSF, LCM), **CORAF**

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