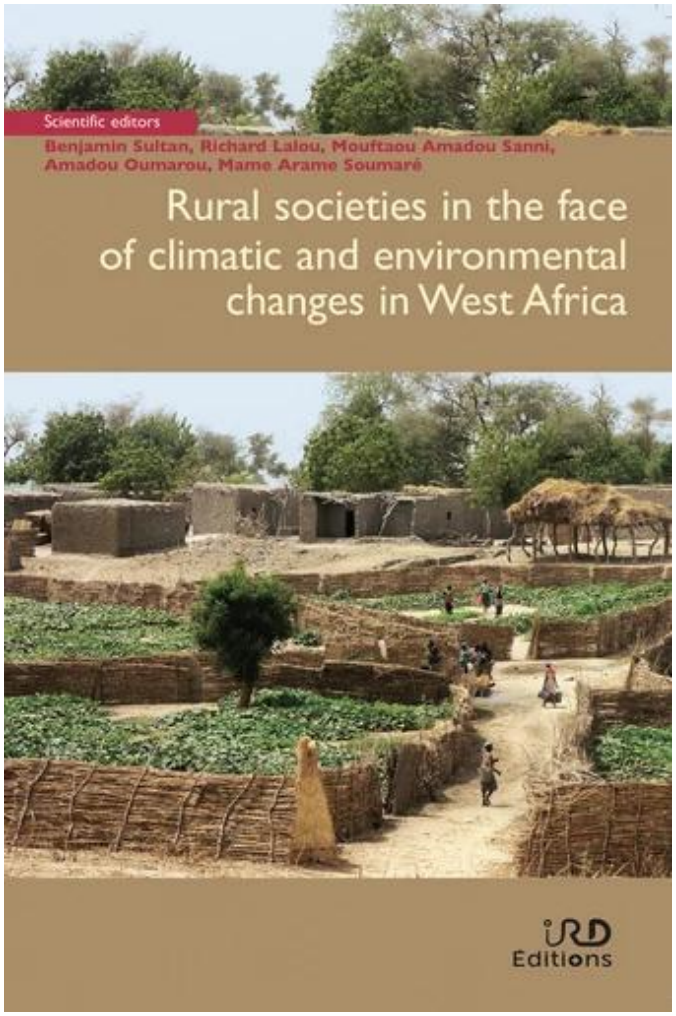
contact@ekolomundo.org
https://www.ekolomundo.org
https://www.ekolomundo.org/adherer

#agriculture | #changement climatique | #environnement | #ruralité

Publication : Rural societies in the face of climatic and environmental changes in West Africa

Structure : IRD (Institut de recherche pour le développement)



The future of West Africa depends on the capacity of its agriculture to ensure the food

security of the population, which should double in the next 20 years, while facing up to the new risks resulting from climate warming. Indeed, the changes in temperature and precipitations already operating and that should become more marked will have serious effects on agricultural production and water resources in this part of Africa in the near future.

One of the keys to meeting this new challenge is the adaptation of rural societies to climate risks. To gain better knowledge of the potential, processes and barriers, this book analyses recent and ongoing trends in the climate and the environment and examines how rural societies perceive and integrate them: what are the impacts of these changes, what vulnerabilities are there but also what new opportunities do they bring? How do the populations adapt and what innovations do they implement—while the climate-induced effects interact with the social, political, economic and technical changes that are in motion in Africa?

By associating French and African scientists (climatologists, agronomists, hydrologists, ecologists, demographers, geographers, anthropologists, sociologists and others) in a multidisciplinary approach, the book makes a valuable contribution to better anticipation of climatic risks and the evaluation of African societies to stand up to them.

SOMMAIRE

1. Recent and future climate change in West Africa. Obvious features, uncertainties and perceptions

1. Climate warming observed in the Sahel since 1950
2. The return of a wet period in the Sahel? Observations and prospects
3. Climate projections in West Africa: the obvious and the uncertain
4. Contrasting perceptions with climate change. Scientific observations in threeWest African contexts
5. When nature talks to us. Comparative analysis of representations of climatic and environmental changes

2. Impacts of the climate and environmental changes

1. Between desertification and regreening of the Sahel. What is really happening?
2. Anthropic and environmental factors involved in the increase in flooding in the Sahel
3. The forage constraint in pastoral and agropastoral livestock farming in the Sahel. Adaptation and prospects
4. Paradoxical pond changes in the non-cultivated Sahel. Diagnostis, causes

and consequences
5. The impacts of climate change on crop yields in West Africa

3. Social changes in rural populations

1. Rural populations faced with environmental hazards. African experiences
2. Land rights and fertility management. Two different perspectives: Djougou (Benin) and Niakhar (Senegal)
3. The role of seasonal and pluri-annual migration in reducing vulnerability. Hombori and Djougou districts
4. Seasonal migration and climate change in rural Senegal. A form of adaptation or failure to adapt?
5. Female migration, a non-farming strategy for adaptation to climatic and environmental changes in the Imanan (Niger)
6. Political changes, landholding dynamics and socio-economic reconstruction. Imanan administrative district (Niger)

4. Adaptation of farming systems, innovations

1. Innovation in rural West Africa. What changes in farming pratices?
2. The return of Sanio millet in thee Sine. Rational adaptation to climate evolution
3. Reintroducing livestock to increase the sustainability of village landscapes in West Africa. The case of the groundnut basin in Senegal
4. An example of adaptive strategy in the face of food insecurity. Potato growing in the Imanan (Niger-republic)

CARACTÉRISTIQUES

Editeur : IRD Editions

Collection : Synthèses

Publication : 24 novembre 2017

Liens

https://www.editions.ird.fr/produit/462/9782709924269/rural-societies-in-the-face-of-climati

https://www.ird.fr