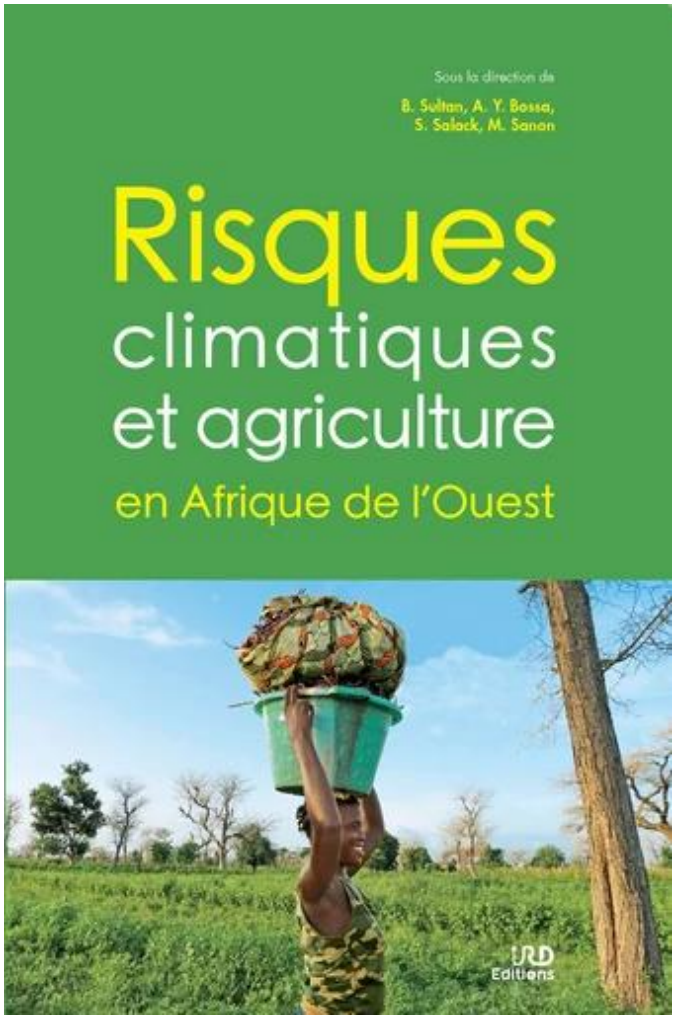
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#agroecology #climate change #water

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The future of West Africa depends on the agricultural sector's ability to adapt in order to ensure food security amid climate change and population growth. To facilitate this adaptation, researchers have made significant efforts to improve understanding of climate mechanisms and their impacts on agro-pastoral systems. However, these research findings are rarely taken into account in planning and decision-making.

Based on this observation, a research project titled “Agriculture and Climate Risk Management: Tools and Research in Africa,” supported by the French Ministry of Foreign Affairs and International Development, is being conducted between 2016 and 2018 in several West African countries. Its objective is to develop effective climate risk management tools for farmers by co-creating, with networks of researchers and stakeholders directly involved in agricultural support, innovative strategies based on research findings.

This book presents the main findings of this action research across three priority themes: climate services for agriculture, water resource management, and ecological intensification. It enables stakeholders in the agricultural sector (farmers’ organizations, value chains, the private agricultural sector, agricultural development banks, input suppliers, and agricultural and meteorological services) to adopt new knowledge *and* tools to better account for climate risks in the management of production systems.

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