



## CSRS SCIENTIFIC SEMINAR N<sup>o</sup>08-11

Thursday, 9<sup>th</sup> June 2011 (Norbert Behi Lecture Hall, CSRS, km 17 Adiopodoumé) 01:00 pm

### **Theme: Contribution to food security by improving farmers' responses to climate change in northern and central areas of Côte d'Ivoire**

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#### Abstract:

As most developing countries in Africa, Côte d'Ivoire experiences an increase in climatic variability with 25 to 28% reduction in rainfall since the late 1960s and an increase in temperature of 0.3°C. Therefore, the dry season is getting longer both in the north and in the central part of the country, which aggravates the already existing water shortage. These changes severely affect both food crops and livestock production. However, scientific knowledge on viable adaptation strategies for farmers in Côte d'Ivoire is still quite scarce. This project aims to analyze farmers' decision-making process related to climate variability and their risk management strategies when faced with negative impacts of climate variability. Furthermore, farmers' perceptions of climate change and their adaptation behaviour will be investigated taking into account the institutional context in Côte d'Ivoire. Aspects to be taken into account are the socio-economic and market conditions as well as individual factors such as social norms, and perceptions of climate risks. Data will be obtained through interviews, focus groups and surveys and will be analyzed by using both common statistical tools and Structural Equation Modeling. We will then elaborate feasible and acceptable adaptation strategies to climate change and make suggestions on how to transfer this knowledge to the stakeholders.

**Keys words:** Climate change, decision-making process, adaptation strategies, Côte d'Ivoire.