

The Regional Multidisciplinary Platform "Rural communities, Environment and Climate in West Africa"

http://ppr-srec.org/



The Regional Multidisciplinary Platform "Rural communities, Environment and Climate in West Africa"

A platform managed by and internatioal Board



KAREMBIRI Harouna, 2iE

Oumar TRAORE, INERA



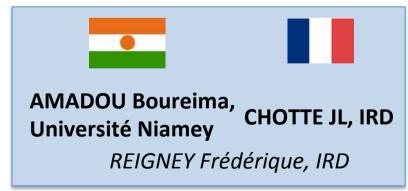
NGOUNNOU-NGATCHA Benjamin, Université Ngaounderé



OCHOU Delfin, Université Cocody KAMAGATE Bamory, Univ. Nangui Abrogoua



TRAORE Sevdou, Aghrymet



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JANICOT Serge, IRD CORMIER SALEM M-C, IRD ANTONA Martine, CIRAD



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GAYF Thierno & DIAKAHTE Mouhamadou, Université **Gaston Berger**



NDOYE Ibrahima, Université Cheikh Anta Diop

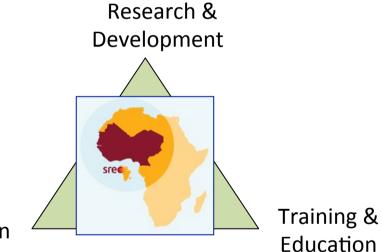


NDOUR Yacine, ISRA TONDOH Jérôme



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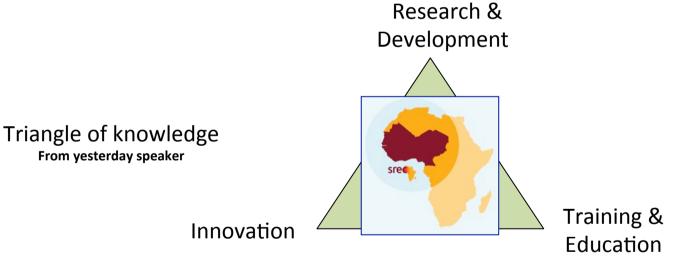
Triangle of knowledge From yesterday speaker

Innovation



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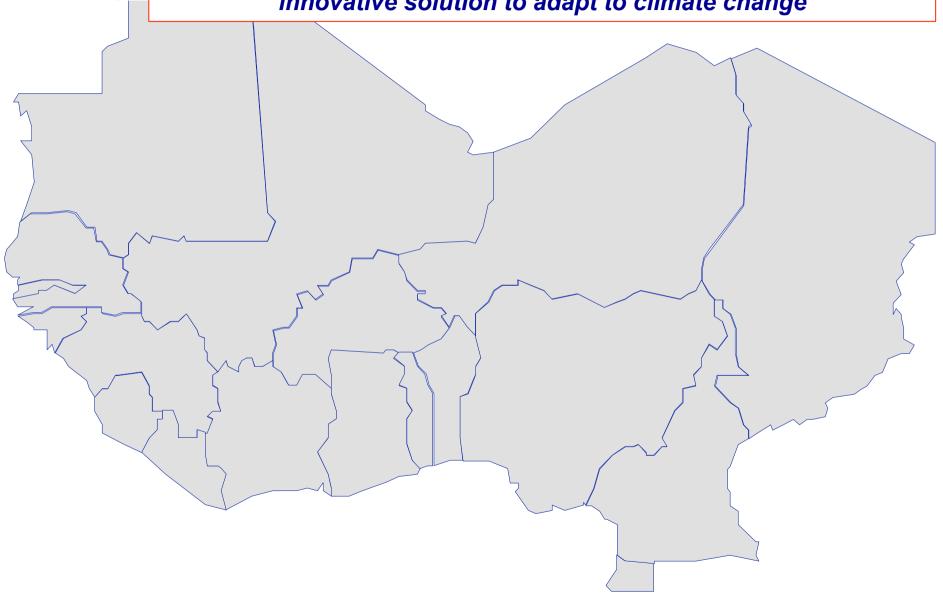
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Integrated and multidisciplinary researches for the resilience of rural communities and natural resources in West Africa to promote innovative solution to adapt to climate change

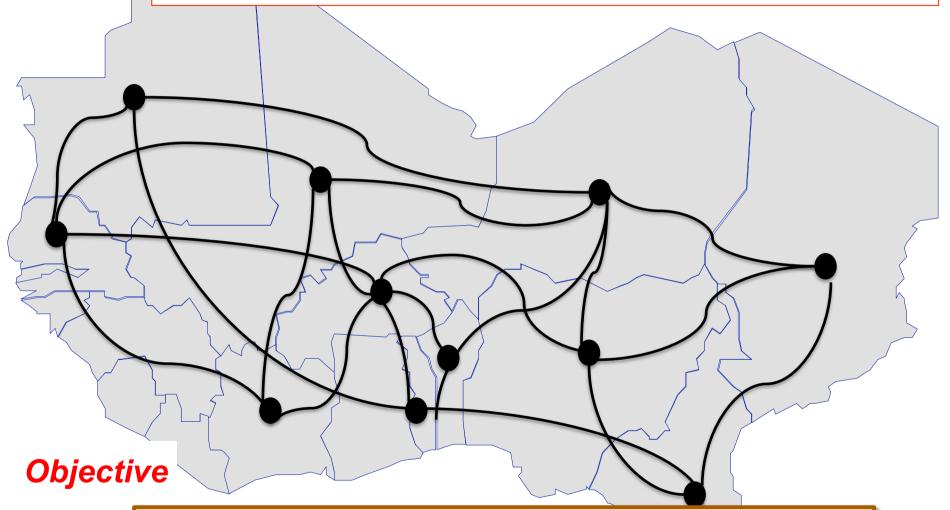


Integrated and multidisciplinary researches for the resilience of rural communities and natural resources in West Africa to promote innovative solution to adapt to climate change





Integrated and multidisciplinary researches for the resilience of rural communities and natural resources in West Africa to promote innovative solution to adapt to climate change



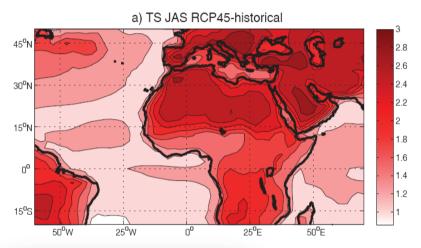
Networking for a better synergy of the diverse expertises in West Africa



Objective

Networking for a better synergy of the diverse expertises in West Africa

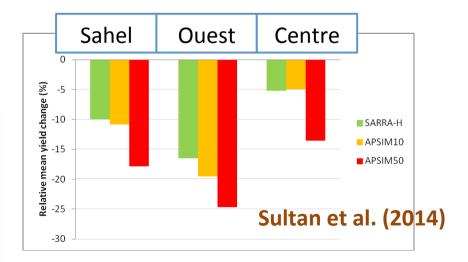
Why synergies and multi-disciplinarity are needed?



Food security and conservation of natural resources in West Africa

- A region with fast demographic growth
- . A region highly sensitive to climatic variations
- A shared challenge for food security, conservation of the environment and climate change
- · A challenge at national and regional scale







Objective

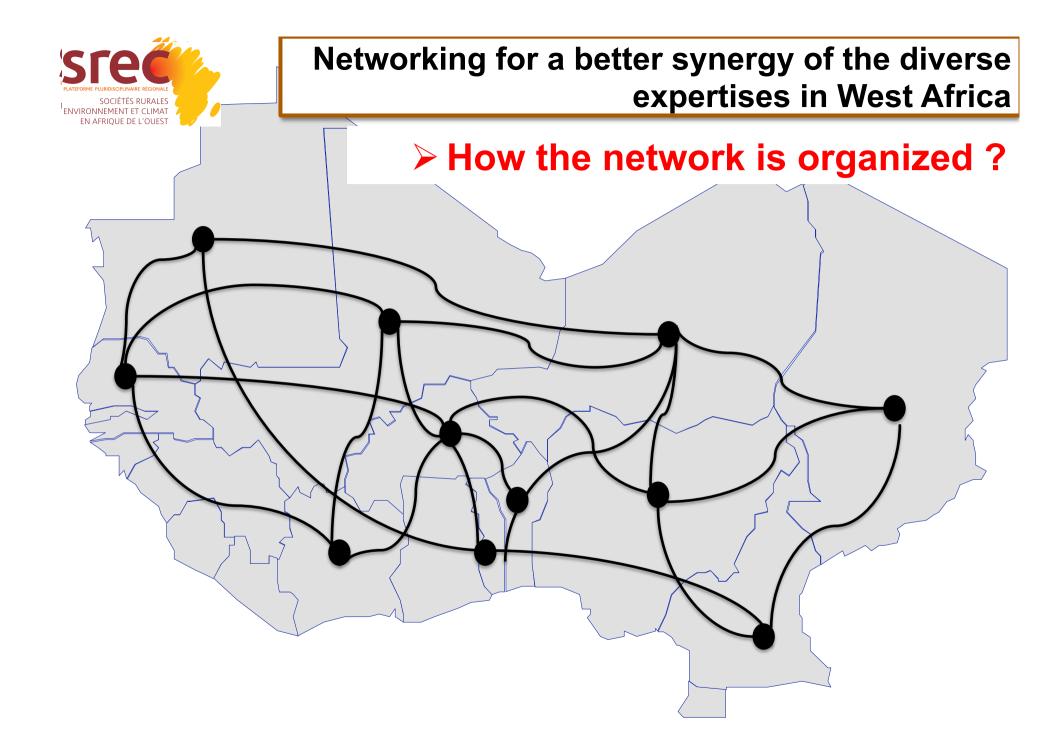
Networking for a better synergy of the diverse expertises in West Africa

FAVORISER de NOUVELLES CONNAISSANCES pour L'INNOVATION et la FORMATION

ENVIRONNEMENT



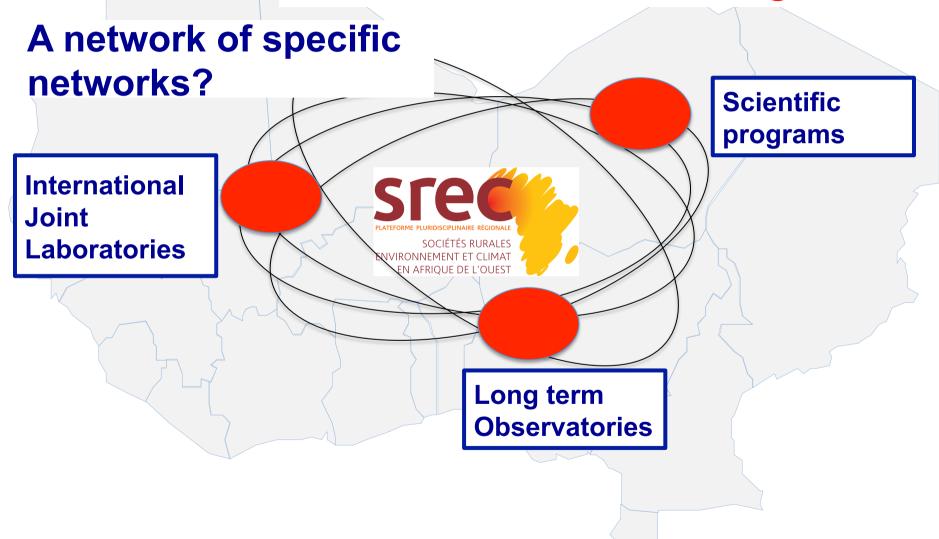
Une recherche pluridisciplinaire Intégrée au niveau régional Fournir de l'expertise aux décideurs et utilisateurs de la recherche





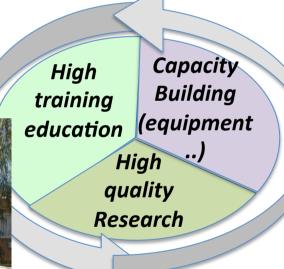
Networking for a better synergy of the diverse expertises in West Africa

> How the network is organized?





International joint Laboratories









International joint Laboratories

> Plant & Soil Sciences

Soil science for agricultural production and environment preservation





Research on plants and microbial diversity from the genes to the ecosystems

An Integrative approach from the lab to the fields on plant pathogens





International joint Laboratories

> Climate Science



Climate, atmosphere and ocean of West Africa and Eastern Atlantic

Water Science

Hydrological models to output robust forecasts of water resources





International joint Laboratories

➤ Biodiversity & Social Science



Public policies of biodiversity conservation and sustainable development



International joint Laboratories



Synergies _

Synergies



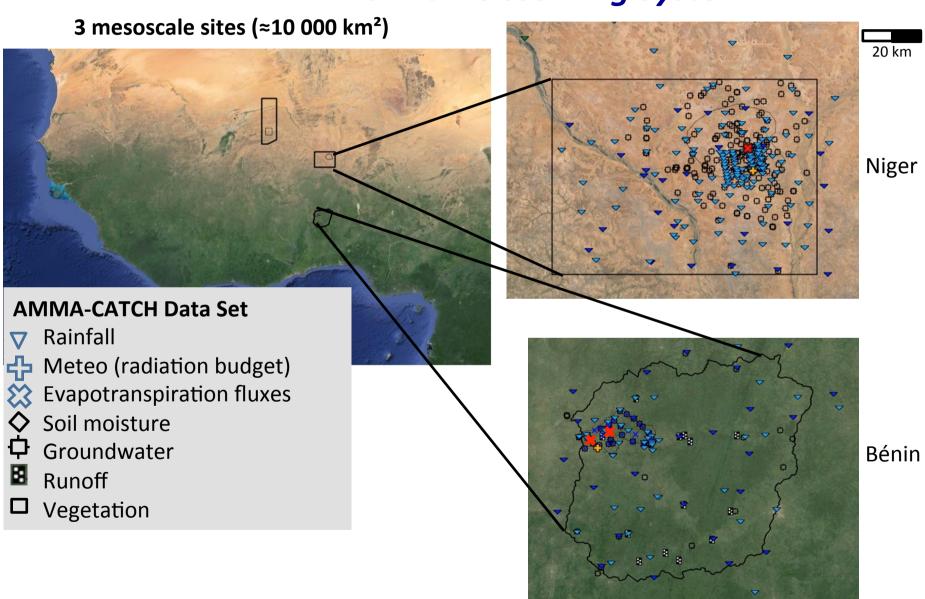
High training education (equipment High ...)

quality Research

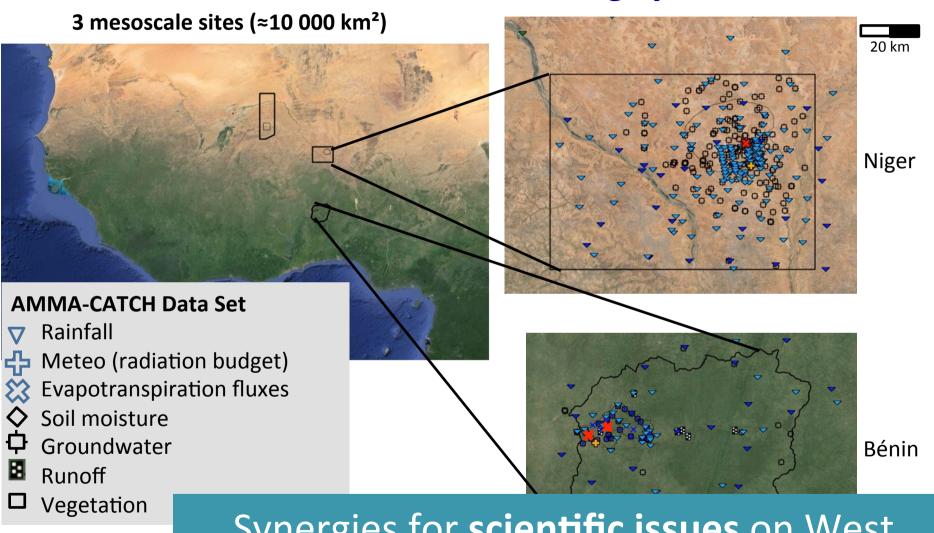
Synergies



AMMA-CATCH Observing System



AMMA-CATCH Observing System



Synergies for **scientific issues** on West African Monsoon

Ecological monitoring of Niakhar Observatory (Senegal) integrate environmental information and population health

50 years of data collected



Experience an ecological monitoring system during the last 50 years:

- An initial assessment and careful monitoring of natural resources (water, soil, wood),
- Monitoring and analysis of climatic and atmospheric factors to micro-local scales;
- Monitoring the fertility of land, land use and crop yields,
- Survey of demographic and health of the population

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Synergies for long lasting Surveillance System on Demographic, health and environment



Networking for a better synergy of the diverse expertises in West Africa

ITC needs

Basic needs

High connectivity quality (speed, stable, 24/24, 7/7), everywhere

Research – development

- Storage capacities, security
- Access to computing resources: climate models, crop models
- Analytical capacities, Bio- informatics, statistics
- Data sharing, Open access, interoperability Data base

Training education

MOOC, streaming

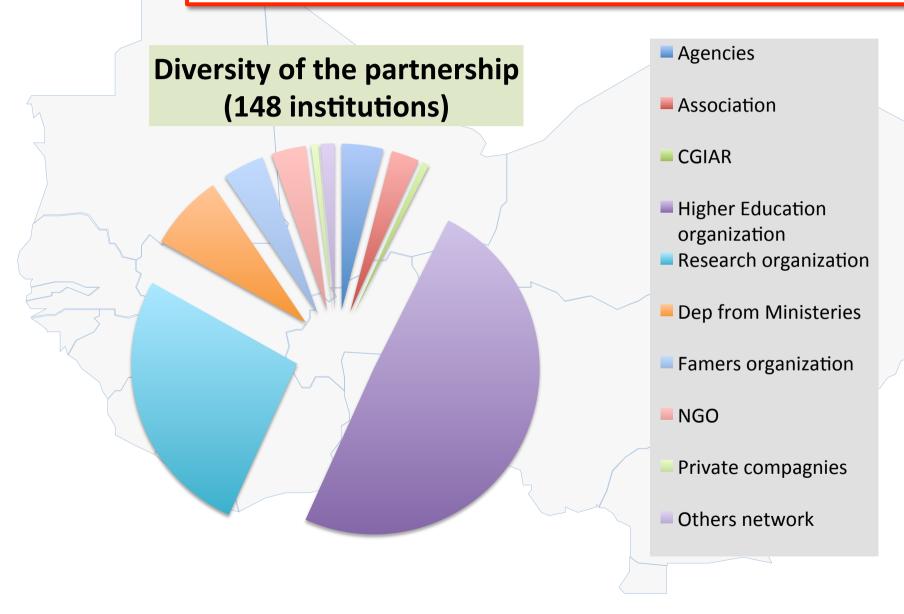
Networking

- Connection & access to other networks: WASCAL, Aghrymet, ...
- Visio-conference

Who is going to be impacted by ITC developments?

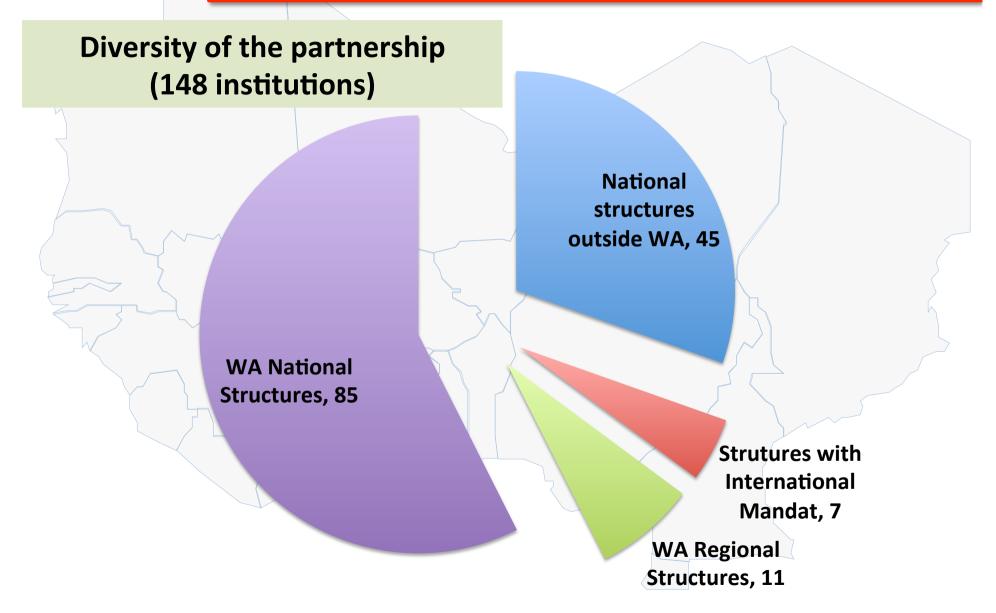


Who is going to be impacted by ITC developments?





Who is going to be impacted by ITC developments?





To strengthen the contribution of the network in in the International Agenda







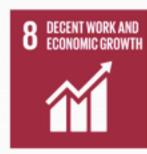


































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Thank you for your attention