AU-EU PANAP
Pan-African Network for Economic Analysis of Policies

EU/CGIAR Programmes: focus on Africa

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European Commission

Joint Research Centre

The Pan-African Network for economic Analysis of Policies

PANAP is part of the Action Agenda of the Political Declaration of the 3rd AU-EU Agriculture Ministerial Conference held in Rome on 21 June 2019, and is conceived in the framework of the Africa-Europe agenda for rural transformation - Task force rural Africa.

PANAP is a network among academic/research and institutional partners on agricultural economics and policy issues with a focus on Africa. The aim of PANAP is to strengthen the capacity of researchers and academics to ex-ante evaluate policy effects and measures with special focus on rural areas and related farming-food sectors.

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ALLIANCE

AU Commissioner Agriculture

EU Commissioner Agriculture

AU-EU Agriculture Ministerial Conference

June 2019
June 2021

Policy Agenda

ARBE - Department of Agriculture, Rural Development, Blue Economy, and Sustainable Environment

FARA Forum for Agricultural Research in Africa
ASARECA Transforming Agriculture for Improved Livelihoods
CORAF
NAASRO
CCARDESA

African National Research Centres

PANAP
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DG.INTPA and EUDs

DG.AGRI

EU National Research Centres

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Raison d'être

- **Strengthening the EU's partnership with Africa.** A new Africa-Europe Alliance for Sustainable Investments and Job
- **Task Force Rural Africa**
  An Africa-Europe Agenda for Rural Transformation
- Conducting research on economic analysis of policies concerning Africa's **agri-food system**.

Material & Methods

- **Economy-wide economic models**: General Equilibrium Models
  (MAGNET & DEMETRA)
- **Micro-level economic models**:
  Farm-household Model
  (FSSIM-Dev)
- **Integration of micro and macro-level models**
- **Survey and Data analyses**

Objectives

- **Foster scientific communities** with independent, evidence-based scientific support, data/information, on the economic analysis of agrifood sectors and related policies
- **Support African policy makers** on designing policies assessing ex-ante economic
- **Serve as a platform** for knowledge sharing, data, models/tools, coding and modelling skills, and simulation results and creating a common knowledge base and practices
- **Help to enhance food and nutrition security**, as in the Malabo Declaration - ending hunger in Africa by 2025, and SDG2 - Zero Hunger

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https://datam.jrc.ec.europa.eu/datam/area/PANAP

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Economy-wide studies

- **Modelling agri-food and related policies in Africa**
  - Impacts of AfCFTA on agri-food sectors at continental, regional and country level.
  - Impact of Covid-19 in Ethiopia and Kenya.
  - Agricultural policy reforms in Senegal and Kenya.
  - Rural job opportunity creation in Ethiopia.
  - Fiscal policy in agricultural in Senegal.
  - Impacts of Cocoa LID price mechanism
- **Collecting evidence and data analysis**
  - Development and maintenance of national databases apt for modelling for Kenya 2017, Ethiopia, Senegal, Ghana, and Cote d'Ivoire.

Micro-economic studies

- **Modelling agricultural policies in Africa**
  - Impact of subsidies in Senegal and Tanzania
  - Small irrigation in Niger
  - Support to animal mechanization in cotton farming in Côte d'Ivoire
  - Impacts of Cocoa LID price mechanism
- **Collecting evidence and data analysis**
  - Survey on sustainable practices in the cocoa supply chain in Côte d'Ivoire and Ghana
  - Survey on the impacts of fertilizer subsidies in Senegal
  - Governance of large irrigation perimeters in Niger
  - Crowdsourcing staple food price data gathering in Nigeria *(cooperation with IITA)*

Integrated studies

- **Living Income Differential** Cocoa in Ghana and Côte d'Ivoire
  - **Global PE**: global market and price effects → **CGE: country-wide and sectoral effects**, deforestation in GHA and CIV → **FSSIM-DEV: farmers' incomes, poverty**
- Trade liberalization within the AfCFTA: effects on African countries
  - Global CGE: tariff & NTM liberalization on food trade → country-level CGE: food security, labour market, household incomes in Kenya. Also potentially: Impacts on farmers' incomes, poverty, in Ghana, Ethiopia, Côte d'Ivoire
- Impacts of COVID-19 on African countries
  - CGE models for Ethiopia and Kenya: macro and sectoral effects → microsimulation: poverty, nutrition

Model based analyses
Country case studies 2018-2021

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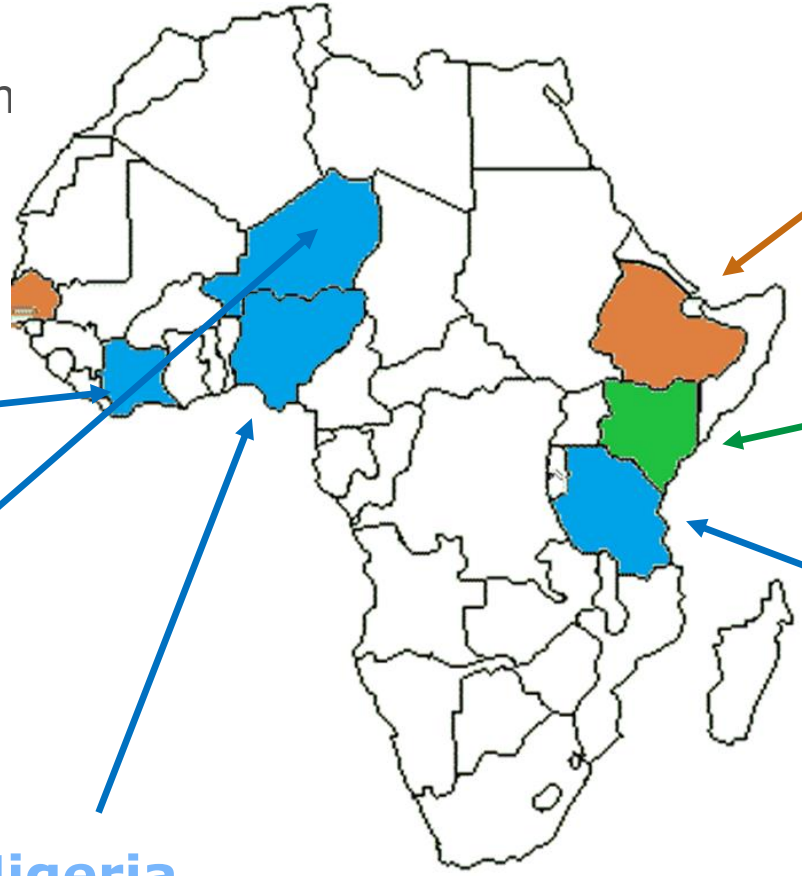
Senegal
Micro: Fertiliser subsidy progran
Macro: Budget allocation, agricultural fiscal policy

Ivory Coast
Support to cotton farming systems, sustainable cocoa

Niger
Small Irrigation program

Nigeria
Crowdsourcing Food price data



Ethiopia
Micro: Impacts of ACC initiative
Macro: Rural Job Opportunity Creation, Covid-19

Kenya: agricultural policies, Covid-19, AfCFTA, nutrition

Tanzania
Agricultural produce *cess (rural tax)*

Micro & macro analysis
Only micro analysis
Only macro analysis

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Upcoming events

PANAP side event at 17th Comprehensive Africa Agriculture Development Programme (CAADP) Partnership Platform meeting Nov 25, 2021 on “Ending hunger in Africa by 2025 through resilient food systems”:

PANAP Side Event:

https://us02web.zoom.us/meeting/register/tZYode-uqz0qGdQ_XeNaZvDpAxUcFa-EOGla

2022 PANAP meeting, Accra (Ghana)

Continuous knowledge sharing session (currently virtual)

Future developments

- PANAP 2022-2025 development plan including:
  - Support/Exchanges of African researchers dedicated to Policy Impact Analysis
  - Better integration with other EU policies and initiatives:
    - Team Europe initiative, Green Deal, trade integration…
  - Increased focus on sustainability aspects (social, environment)
  - Production and dissemination of policy impact studies (AfCTA)
  - Further integration with other international initiatives

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Thank you

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