



## Key achievements in the Central African Republic

2016: Revised Supplementary Agreement signed.

## Atoms for peace and development

The International Atomic Energy Agency is the world's central intergovernmental forum for scientific and technical cooperation in the nuclear field. It works for the safe, secure and peaceful uses of nuclear science and technology, contributing to international peace and security.

The IAEA's technical cooperation programme helps countries to use nuclear science and technology to address key development priorities, including health, agriculture, water, the environment and industry. The programme also helps countries to identify and meet future energy needs. It supports greater radiation safety and nuclear security, and provides legislative assistance.

## Recent project successes

### Animal production

The IAEA supported the building of national capacities for the diagnosis and control of rabies in dogs and for surveillance of African swine fever. The improvement of infrastructure and capacities for veterinary diagnostics in recent years has benefited



Soil quality and cassava crops in the Central African Republic have improved with the use of nuclear-based monitoring techniques. (Photo: L Gil/IAEA)

farmers: animal health has been improved and there is greater protection from diseases and pests.

### Crop improvement, soil and water management

A project with over 300 farmers in three experimental areas used nuclear techniques to monitor the composition of soil. This enabled the better use of fertilizers and helped restore degraded soil, increasing cassava production.

### Water resource management

The Central African Republic received IAEA assistance to build capacities at the University of Bangui to use isotope hydrology to characterise and monitor groundwater resources. The country plays an active role in IAEA-supported regional projects to assess groundwater in the Sahel and the Lake Chad Basin. This project has supported the collection of data on contamination levels and flow patterns that connect the different aquifers and basins.



The Central African Republic plays an active role in IAEA-supported regional projects to assess groundwater in the Sahel and in the Lake Chad Basin. (Photo: L Gil/IAEA)

## Active national projects

- Improving Cassava Yield through Improved Crop Variety and Best Soil Management Practices Using Nuclear Techniques (CAF5008)
- Controlling Contagious Bovine Pleuropneumonia and Peste de Petit Ruminants (CAF5009)
- Building National Capacities for the Diagnosis and Control of Animal Diseases and for Increasing Animal Production (CAF5010)
- Building National Capacities for Improving the Efficiency of Biological Nitrogen Fixation for Food Security, Fertility Restoration and Rehabilitation of Degraded Soils (CAF5011)
- Supporting Assessment of Water Resources Through the Use of Isotope Techniques (CAF7003)
- Strengthening the National Radiation Protection Authority (CAF9005)
- Strengthening the Regulatory Authority for Radiation Safety, Radiation Protection for Workers and Management of Radioactive Waste (CAF9006)

Central African Republic also participates in 22 regional projects and 1 interregional project.

## Previous IAEA support to the Central African Republic

The IAEA has previously contributed to strengthening the national radiation protection authority. Projects have also improved cassava yields through mutation breeding and better soil management practices, enhanced animal health and production, and supported water resource management both nationally and regionally.



Isotope hydrologists prepare to collect water samples from a well at an IAEA-supported project to assess groundwater in Bangui, Central African Republic, March 2017. (Photo: L Gil/IAEA)

## IAEA support to the Central African Republic, 2009–2019



**243** trained  
(including 46 women)

**36** international experts provided

**47** attended specialist meetings  
(including 4 women)

### Priority areas of support

- Improving agriculture and livestock productivity
- Assisting in water management
- Strengthening radiation safety
- Developing regulatory and legislative radiation protection

## Central African Republic's contribution to South-South and triangular cooperation, 2009–2019

**6**

fellows or scientific visitors hosted



expert and lecturer assignments provided by the Central African Republic

Based on data available as of April 2020

## Cancer control **IMPACT** Review planned: 2020

### Strategic documents supported

- United Nations Development Assistance Framework Central African Republic 2018–2021
- Country Programme Framework 2017–2021, signed in May 2017

[www.iaea.org/technicalcooperation](http://www.iaea.org/technicalcooperation)

The IAEA collaborates with National Liaison Officers and Permanent Missions to deliver its TC programme.