

# Mauritania

IAEA Member State since November 2004

## Selected achievements

2022: A National Training Centre for Radiation Protection and Safety is established.

2015: The country's first nuclear medicine centre is opened.



An IAEA-supported study was designed to assess the breastfeeding practices of Mauritanian mothers, six months after the child's birth, to determine the amount of breast milk and water from sources other than breast milk consumed by babies per day. (Photo: INRSP).

## National priorities

- Cancer management
- Human health and nutrition
- Food safety
- Livestock and crop production
- Water resource management
- Marine and coastal environment
- Nuclear and radiation safety and security
- Energy planning for increased access to reliable energy

## Main areas of IAEA support

- Cancer management
- Child nutrition
- Cattle breeds improvement
- Livestock disease control
- Drought-resistant rice varieties
- Food safety
- Radiation protection

## Project successes

### Climate smart agricultural practices

The IAEA has been helping Mauritania Agronomic Research and Agricultural Development (CNRADA) to enhance rice productivity by using nuclear techniques. Human capacity was built through group trainings, fellowships, and scientific visits. Climate smart agricultural practices were

developed and disseminated to end users through on-farm demonstration trials which contributed to significant increase in rice productivity. Climate smart irrigation practices were introduced to women farmers which increased vegetable productivity and their livelihoods.

### Dosimetry and medical physics

The National Oncology Centre in Nouakchott received IAEA support to improve its capabilities in the diagnosis and treatment of cancer patients, and to strengthen quality control and quality assurance in medical physics.

IAEA support was provided through quality control equipment in radiotherapy, nuclear medicine, radiology and brachytherapy, and also through fellowships, training, scientific visits and expert visits.

This support has boosted the quality of the treatment provided to thousands of patients each year.

### Food safety

With IAEA technical assistance, the Laboratory of the National Office for Livestock and Pastoralism Research and Development (ONARDEP) has significantly enhanced its capabilities in monitoring natural, Chemical and Microbial Food Contaminants.

Laboratory equipment was provided to enable the control and research of chemical and microbiological contaminants in food products of animal origin. In addition, the technical capacity of ONARDEP technicians was strengthened through fellowships, expert mission and scientific visits.

This assistance facilitated the successful implementation of a brucellosis control programme and the control of antibiotic residues and heavy metals.

## Participation in the major initiatives

- Rays of Hope
- ZODIAC

## Date of imPACT Review(s)

2015, 2010



Spraying gibberellin according to the IAEA protocol has enabled the CNRADA team to increase rice yield by 31 per cent at the Sylla station in Kaédi. (Photo: M. Zaman/IAEA)

### IAEA support received in the 21st century



### Contributions to South-South and triangular cooperation

