



# **Joint KINS-IAEA Basic Professional Training Course on Nuclear Safety, 19-30 September 2022, Daejeon, Korea**



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# INTRODUCTION

- Burkina Faso is a landlocked country in West Africa, surrounded by Mali, Niger, Benin, Togo, Ghana and Ivory Coast.
- On September 10, 1998, under the terms of decree n°98-361/PRES/P M/MAE, the BF became a member of the IAEA, after its accession to the statute of the Agency and the deposit of instruments of ratification on September 14, 1998.
- The National Authority for Radiation Protection and Nuclear Safety (ARSN) is the competent structure for radiation protection and nuclear safety and safeguards.



## I. USE OF RADIOACTIVE MATERIALS AT THE BF

Sectors:

- **Mines and Industries:** nuclear gauges (mobile and fixed);
- **Nuclear medicine:** generator (Tc-99m);
- **Construction:** gauge of humidity and density;
- **NDT:** Gammagraphy gauges (Ir -192)
- **Research and Laboratory;** Etc.
- **radionuclides Sources:** Cs-137, Am-241, Sr-90, Tc-99m;
- **Other activities:** transport, transit and storage of sources.

**For the moment the country has no activity or facility within the framework of atomic energy.**



## **II. NATIONAL LEGISLATIVE AND REGULATORY FRAMEWORK**

- Law N°032-2012 relating to nuclear safety, Security and safeguards.
- Decree on the management of radioactive waste (2015);
- Decree concerning authorization procedures (2015);
- Decree on inspection procedures (2015);
- Decree on transport security of radioactive materials (2019)



## **II. NATIONAL LEGISLATIVE AND REGULATORY FRAMEWORK**

The regulatory body of Burkina Faso is about to review its law.

This will enable to take into account the area of Nuclear Power Plants and start the development of regulations.



### III. PROJECT OF NUCLEAR POWER PROGRAMME

Lassina ZERBO, Former Prime Minister of Burkina Faso, Former Executive Secretary of the Comprehensive Nuclear-Test-Ban Treaty Organization, in his statement in the ‘Assemblée Nationale (Parliament)’ on January, 7, 2022, stated: « **we must ... carry out studies prior to the implementation of mini nuclear power plants of the SMR type (Small Modular reactors) which should support in the future the energy needs of Industrial companies** ».



### III. PROJECT OF NUCLEAR POWER PROGRAMME

This decision to go for Nuclear Power to meet the electricity needs enabled **the creation of a committee for the establishment of the Technical Direction in charge of Nuclear Power Programme.**

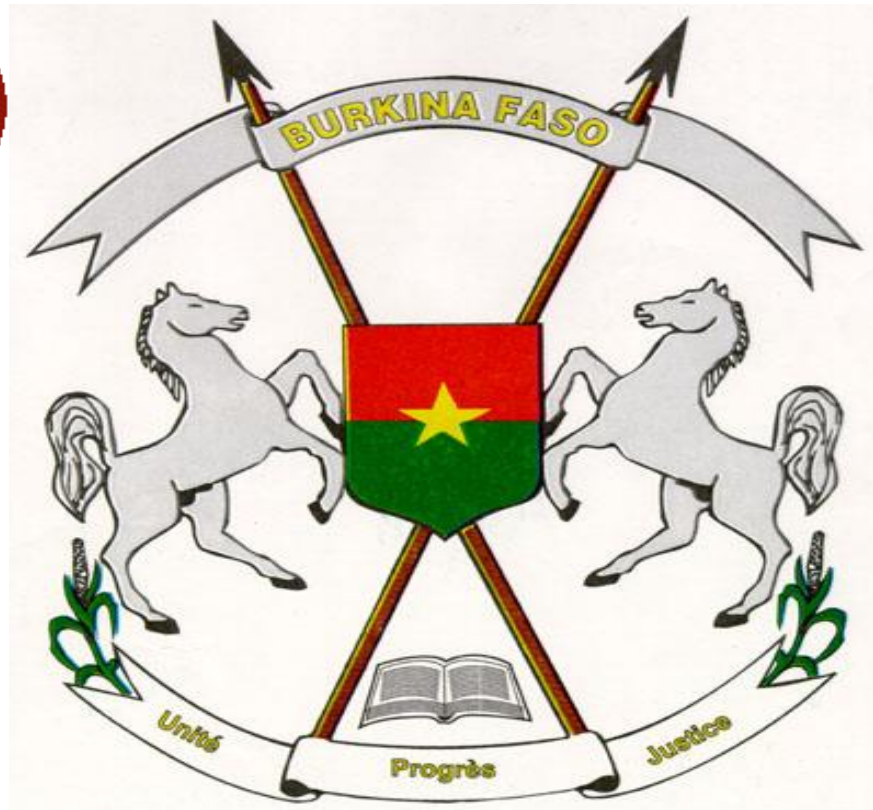
The nuclear program project is suspended for the time being due to the change of regime in January, 24, 2022.





# conclusion

- ARSN works in collaboration with IAEA and the partners to control the nuclear material and radioactive sources.
- Interest in the Nuclear Field by politicians The regulatory body of Burkina Faso is at the starting level regarding regulations on Nuclear Research Reactors.



THANK YOU FOR YOUR ATTENTION