

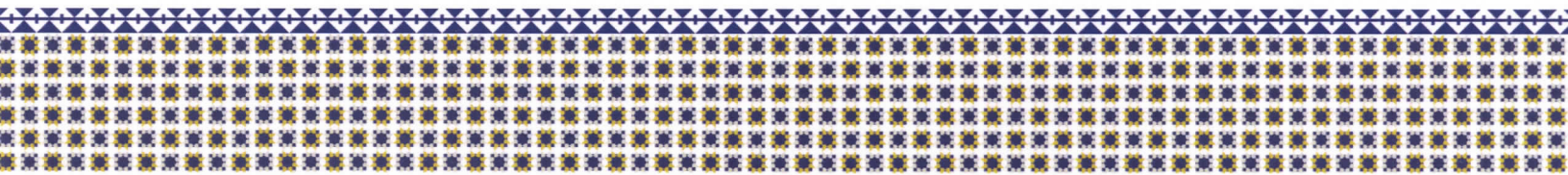


KINGDOM OF MOROCCO

**SHARING MOROCCO'S EXPERIENCE IN DEVELOPING NUCLEAR TECHNIQUES
IN A SAFE, SECURE AND SUSTAINABLE MANNER**



**ENHANCING E&T
USING RESEARCH REACTORS IN AFRICA**



INTERNET REACTOR LABORATORY (IRL)

The Internet Reactor Laboratory (IRL) project, supported by IAEA, is a distance educational model based on the utilization of video conferencing and online reactor instrumentation systems to provide reactor laboratory sessions to researchers, professionals and students from regional institutions.

The IAEA, which promotes similar IRL projects in Europe, Asia-Pacific and Latin America, has selected CNESTEN's TRIGA reactor as the host facility for the African region. The project will provide support to countries without research reactors in achieving their nuclear capacity building objectives in the field of reactor physics and operation.

BROADCASTED EXPERIMENTS

- Reactor startup demonstration
- Approach to criticality
- Control rod calibration
- Reactor power determination
- Fuel element worth determination
- Void coefficient determination

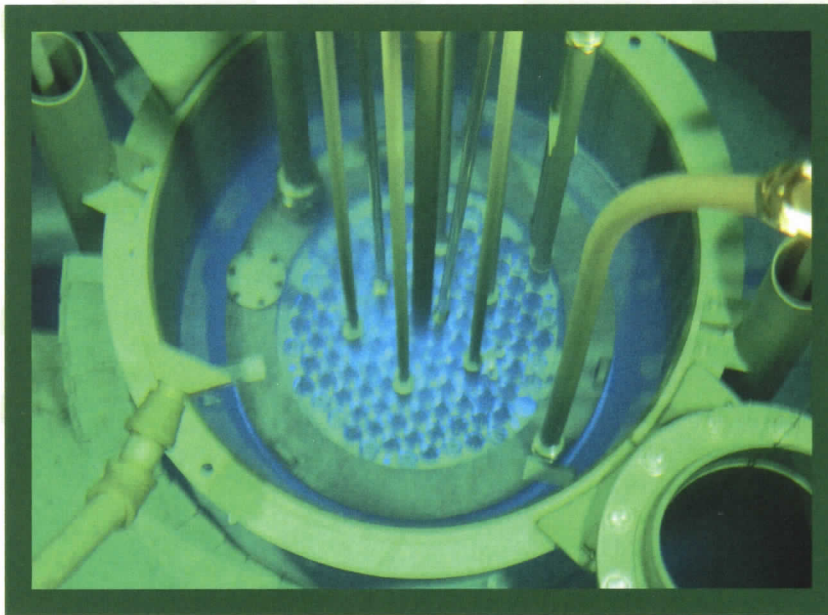


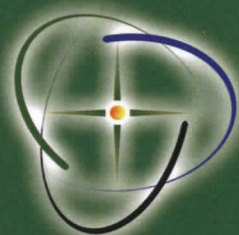
TRIGA MARK II RESEARCH REACTOR

The Moroccan TRIGA MARK II Research Reactor, operated by CNESTEN is a standard design 2MW natural-convection-cooled reactor used mainly for Neutron Activation Analysis, Radioisotopes Production and Research. Other facilities are being implemented including PGAA and Neutron imaging.

The reactor provides also support to University educational programs, including hands on activities on typical reactor experiments.

Foreign professionals from the region are also benefiting from these E&T programs.





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