

# Session 2.3

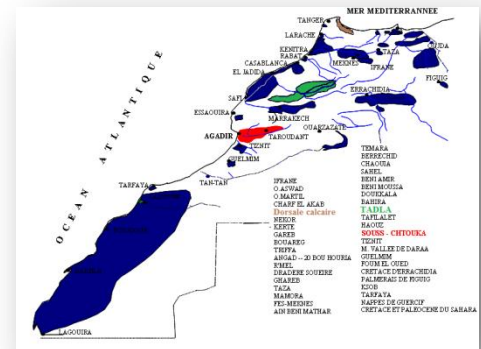
## Evidence-based Water Resources Management

**Dr. Hamid Marah**  
**Scientific Director**  
**CNESTEN, Rabat, Morocco**



# History of Collaboration with the IAEA in the Field of Isotope Hydrology

- **Problem:** Increasing pressure on natural water resources
- **IAEA assistance to meet the needs of Morocco:**
  - Building capacities in the application of isotope hydrology
  - Addressing practical problems using isotope and nuclear methods
- **Contribution to the achievement of the major sustainable development priorities of Morocco:** Making sound decisions about water use and the protection of water quality





# Accumulated Knowledge Shared with IAEA Member States

- Morocco is now offering its expertise and infrastructure to IAEA Member States through CNESTEN, which is the AFRA Regional Designated Centre and the IAEA Collaborating Centre in the field of isotope hydrology.



- Providing analytical services, training and expertise to several IAEA Member States.



# The Peaceful Application of Nuclear Technology Contribution to the Achievement of the SDG Targets in Morocco

- Providing critical information that conventional hydrological or geochemical methods cannot provide
- Helping, rapidly and cost-effectively, to make sound decisions about water use and protection of water quality
- Exploring water-saving techniques and thus for improving agricultural water use efficiency
- Evaluating soil degradation, and assessing the effectiveness of soil conservation strategies
- Complementing and supporting the efforts of the IAEA Member States in the field of using nuclear technologies to better understand and manage their natural resources

