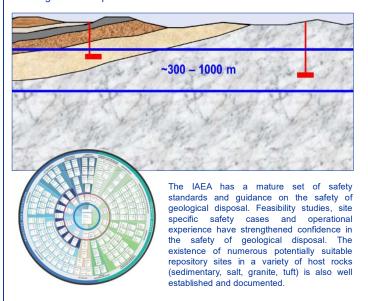
Facilitating knowledge transfer between advanced and earlystage programmes: IAEA's Roadmap for Implementing a Geological Repository Programme K. Lange¹, S. Mayer¹, H. Jung², B. Arnold³

IAEA
International Atomic Energy Agency

1. IAEA, Nuclear Energy Department, Vienna, Austria
2. KORAD, Korea; 3. Arnold Hydrogeology Consulting, USA

Introduction

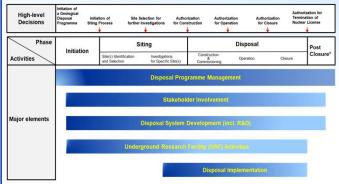
The IAEA publication, Roadmap for implementing a geological repository programme, provides a roadmap for the step by step development and implementation of a geological disposal programme consistent with international safety standards and best experience. This roadmap and companion course supports Member States with new programmes or those entering a different phase.



The International Atomic Energy Agency (IAEA) is the world's foremost forum for scientific and technical cooperation in the peaceful use of nuclear technology. Established by the United Nations as an independent organization in 1957, the IAEA serves 175 Member States¹. Under Article III (3) the Agency is authorized to foster the exchange of scientific and technical information on peaceful uses of atomic energy.

The IAEA would like to record its appreciation for the contribution of experts and organizations from 25 Member States to this publication.

IAEA Roadmap to a geological repository



onsibility may be transferred from the WMO to another organization.

Major work elements of the Roadmap



DISPOSAL PROGRAMME MANAGEMENT

> Programme, planning and governance

8 8

STAKEHOLDER ENGAGEMENT

Communication and dialogue with groups and individuals, enhancing confidence and building trust

DISPOSAL IMPLEMENTATION

Activities directly associated with the excavation,, operation, and closure



DISPOSAL SYSTEM DEVELOPMENT

Design, engineering, safety case development

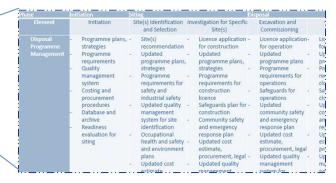


UNDERGROUND RESEARCH FACILITY

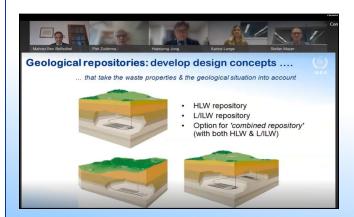
Characterization, research, testing under realistic conditions, technology demonstration and optimization

Deliverables along the Roadmap

The activities and deliverables for each phase of a geological repository programme are listed and described in the Roadmap with a view of how they support decision making in proceeding to the next phase.



IAEA 'Roadmap to a DGR' training course



The IAEA's Roadmap to a deep geological repository (DGR) course provides information on major phases in a DGR programme, key management and technical activities to be undertaken (as well as their interdependencies) and the basis for high-level decision-making. This provides insight into how the IAEA generic roadmap might be adapted to address specific situation in each Member State.