

# **Examples of International Activities**

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Waste Management 2015

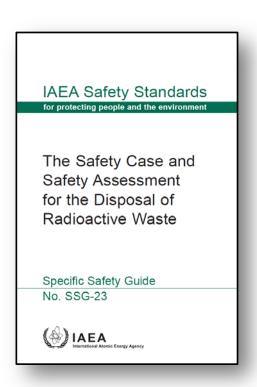


#### Introduction

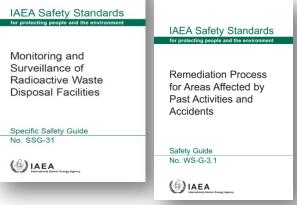
Brief overview of assessment related activities from international organizations

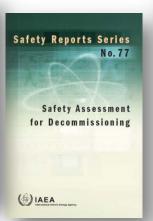
- International Atomic Energy Agency
- European Commission
- OECD/Nuclear Energy Agency

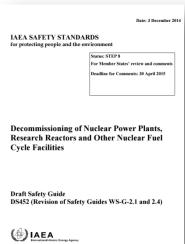
## IAEA Waste Safety Section – Safety Standards







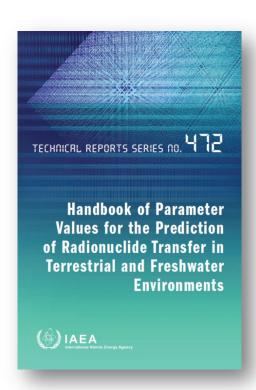




www-ns.iaea.org/standards/

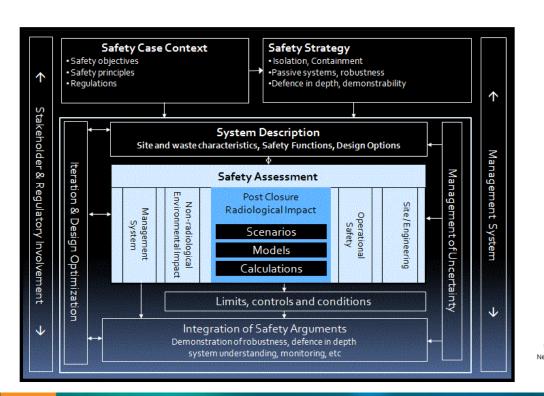
#### Other IAEA Activities

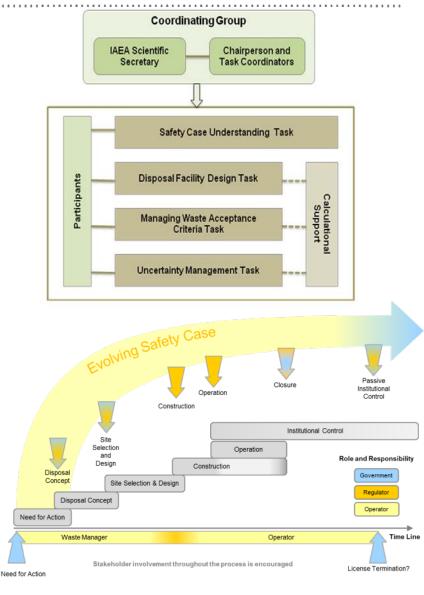
- MODARIA Modelling and Data for Radiological Impact Assessments (previously VAMP, BIOMOVS, BIOMASS, EMRAS, EMRAS II) – multiple topical areas
- CIDER Global Constraints to Implementing Decommissioning and Environmental Restoration Projects
- DRiMa Decommissioning Risk Management
- GEOSAF II Emphasis on harmonizing operational and long-term safety considerations
- Waste Management following an Accident
- Fukushima Comprehensive Report
- DISPONET, ENVIRONET, International Decommissioning Network



## **PRISM Project**

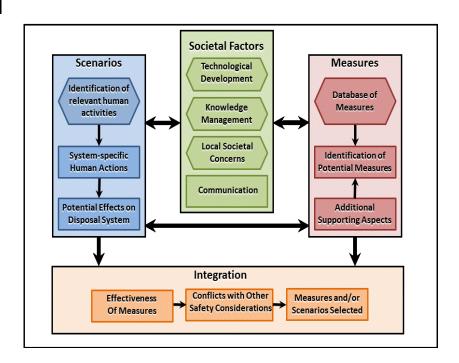
- PRISM project addressed the role of the safety case throughout the lifecycle of a disposal facility
- Provides basis for training courses
- PRISMA follow-on to focus on application of PRISM tools to assist with decision making and safety case development





#### **HIDRA**

- Human Intrusion in the context of Disposal of RadioActive Waste
- Last Plenary in December 2014
- Final draft report is being prepared, meeting next week
- Objectives:
  - Role of intrusion in context of Safety Case
  - General process to consider intrusion
  - Communication strategies
- Linked to decision-making and the safety case (e.g., PRISM)



# HIDRA – Key Messages

- Intrusion is considered for radioactive waste to increase the robustness of a disposal system and not intended to be a "yes or no" indicator of compliance (optimization concept)
- Contributes to decision-making for design, operations, etc.
- Not predicting effects, stylized scenarios based on current habits
- Identify measures to reduce potential for and consequences of intrusion
- Highlight inherent benefits of deep disposal
- Importance of effective communication cautiousness, context regarding uncertainty
- Role of knowledge preservation, active engagement with local communities

## **OECD/NEA** and European Commission

#### Integration Group for the Safety Case (NEA)

 Reports on Safety Case for Geologic Disposal – suggestions for indicators, scenarios, etc.

#### INTESC (EC)

 Project summarizing experiences with the safety case for geological disposal – suggestions for confidence building, alternative indicators, etc.

#### RK&M (NEA)

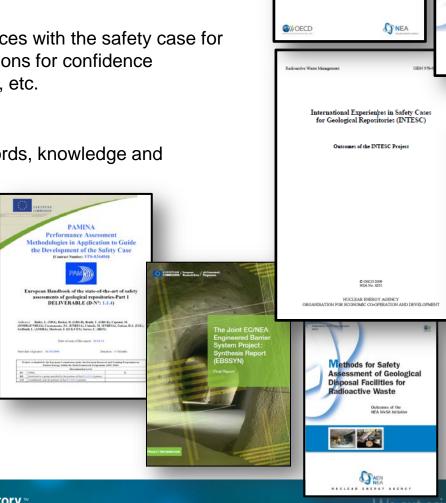
Considerations related to records, knowledge and memory

#### **Human Intrusion (NEA)**

Project to update FEPs

#### Other EC/NEA projects

MeSA, EBSSYN, PAMINA



The Nature and Purpose of the Post-closure Safety Cases for Geological

ndicators in the Safety

MEN

A report of the Integrated Group

The Preservation of Records, Knowledge and Memory

(RK&M) Across Generations: Scoping the Issue

Case

Repositories

# Questions?

