

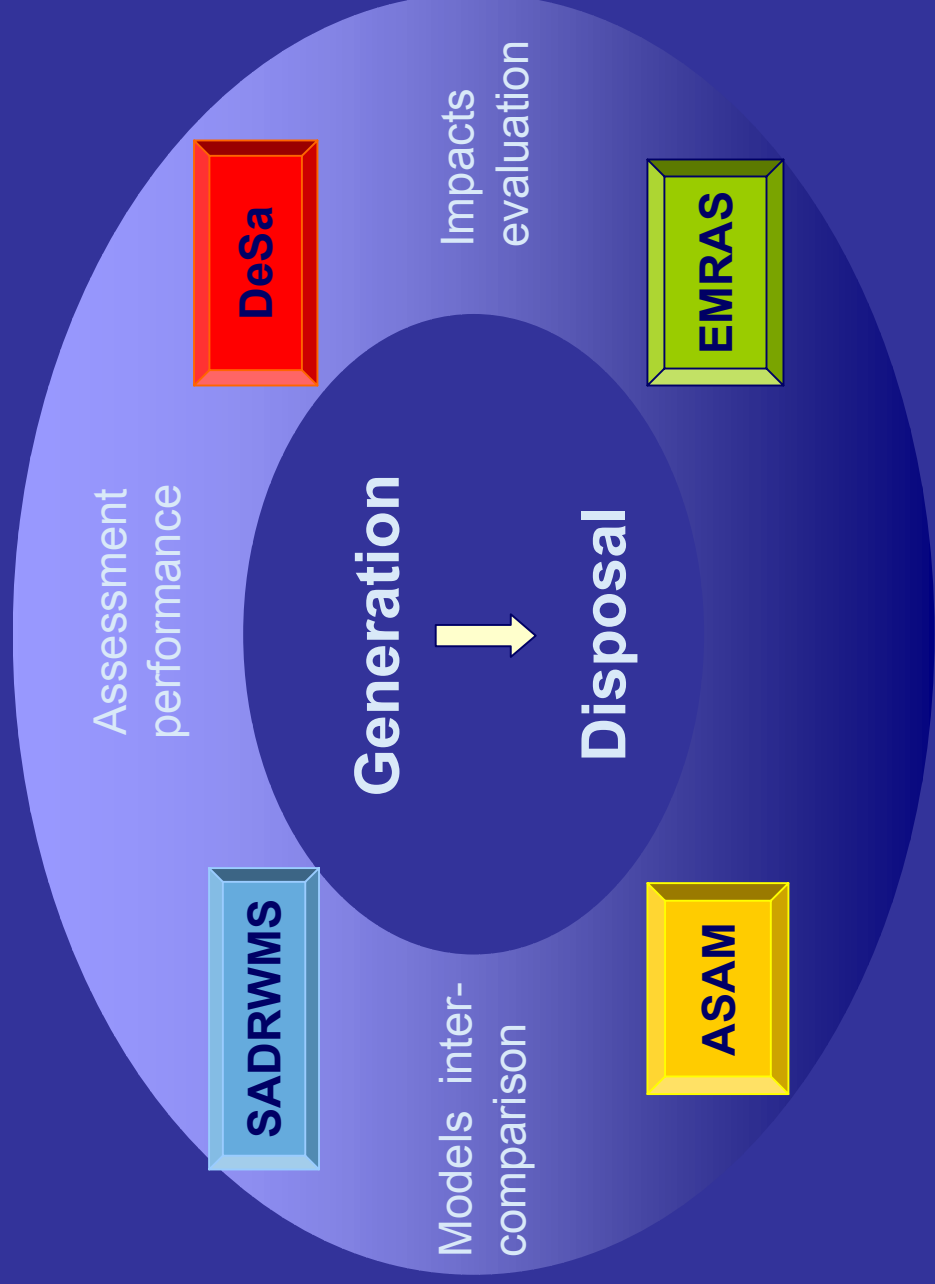
**International Atomic Energy Agency**

# **Progress on the DeSa Project**

**B. Batandjieva, WSS, NSRW**

**3<sup>rd</sup> EMRAS Project Meeting**

**21-25 November 2005, IAEA, Vienna**



# Safety Demonstration Framework for Management of Radioactive Waste and Decommissioning

# *The DeSa Project*

**Evaluation and Demonstration of Safety  
during Decommissioning (2004-2007)**



## Objectives

- Investigate approaches for evaluation and demonstration of safety with the view of developing a harmonized methodology
- Guidance of methodology application in specific cases
- Investigate approaches for review of safety assessments for decommissioning activities and develop review plans and procedures
- Provide forum for exchange of information, experience, lessons learned

## Scope

- Safety assessment for decommissioning
- All types of nuclear facilities
- Decommissioning options
- Radiological impacts
  - Workers and public
  - Normal and accidental situations

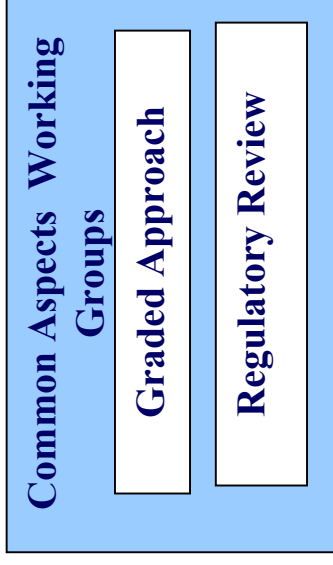
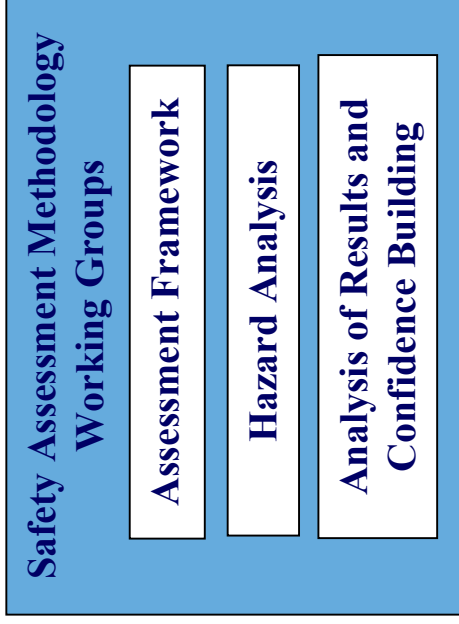


# Participation by over **30 Member States** with **50 participants** at joint working group meetings

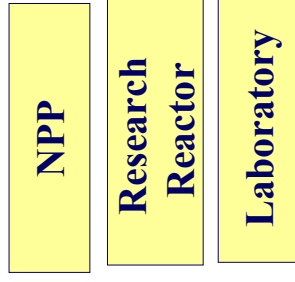


# Activities

## Phase 1 – Methodology



## Phase 2 - Application



## Phase 3 Summaries of the Project Outcomes



## **Programme and outcomes**

- **Phase 2 commenced – October 2005**
- **Interaction with SADRWMS Project**
- **Complete and publish DeSa Safety Report in 2006**
- **Evaluate and document Test Cases in 2006**
- **Progress Regulatory Review and Graded Approach Reports in 2006**
- **Completion and Publication of final project documentation 2007**

**3<sup>rd</sup> Joint DeSa Meeting 13-17 November 2006, IAEA**



# Further Information

## • DeSa web site

DeSa - Microsoft Internet Explorer provided by the Int. Atomic Energy Agency

IEA.org  
International Atomic Energy Agency

Home | About IAEA | Our Work | News Centre | Publications | Data Centre | Contact Us

Search:  NS main site

You are in: Home > Our Work > Nuclear Safety & Security > Waste Safety > DeSa

**DeSa**

**International Project on Evaluation and Demonstration of Safety for Decommissioning (DeSa)**

**First Project Meeting, 1-5 November 2004, Vienna**  
Participation: 1970 (Deadline: 1 August 2004)

**Background**

Decommissioning is being planned or has already taken place for a whole range of nuclear facilities, including nuclear power plants, research reactors, test reactors, research laboratories, fuel fabrication facilities and fuel element processing plants. Research is being conducted to improve the efficiency and safety of these operations in the next few decades. The importance of ensuring safety during decommissioning has been emphasized at various international forums, such as the Conference on Safe Decommissioning of Nuclear Facilities in Berlin (14-18 October 2002) and the OECD/NEA International Seminar in Tarapur (2-4 September 2003). These fora have noted the importance of adequate planning, evaluation and demonstration of safety for these activities. The Scientific Secretariat for the International Atomic Energy Agency during decommissioning and that it would be desirable for a harmonised approach to be developed taking into account international experience and lessons learned. In view of this, a new international project is being

NS Quick Links

Done

<http://www-ns.iaea.org/tech-areas/waste-safety/desa/>



## • DeSa Newsletters

DeSa News  
No. 1  
July 2005

International Project on Evaluation and Demonstration on Safety During Decommissioning of Nuclear Facilities

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1. Introduction
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3. First Project Meeting, 1-5 November 2004
4. Project Activities in 2005
5. Agency Related Activities

**Introduction**

Safety of nuclear fuel cycle facilities is required through all stages of facility life-cycle. This includes the design, construction, operation, decommissioning and dismantling of nuclear facilities. The International Atomic Energy Agency (IAEA), during the last few years, also underlines the importance of evaluation and demonstration of safety during decommissioning of nuclear facilities. As part of this safe ending of nuclear practices intended to be released from regulatory control. In the last few years, international guidance has been developed on the safety assessment for production and disposal facilities and a need for specific guidance on decommissioning of nuclear facilities (IAEA-TECDOC-1257, 2003). The International Atomic Energy Agency (IAEA) has established the basis for the approval of Action 1 of the International Action Plan on Decommissioning of Nuclear Facilities (IAEA-TECDOC-1257, 2003). The IAEA is currently sharing and exchange of national information and experience on the application of safety assessment in the context of decommissioning and provide a means to convey this information to Member States. The International Atomic Energy Agency (IAEA) launched an International Project on 'Evaluation and Demonstration of Safety during

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