

# Radioactive Waste Management

## Recent IAEA networking initiatives

“Decommissioning Forum” – IDN annual meeting  
VIC, Vienna, November 3-6, 2008

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**IAEA**

International Atomic Energy Agency

# IAEA ...atoms for peace



Article VIII (C) of IAEA statute reads:

***“ The IAEA shall take positive steps to encourage the exchange among its members of information relating to the nature and peaceful uses of atomic energy and shall serve as an intermediary among its members for this purpose”***

IAEA's role :

**promoting and facilitating international co-operation amongst its Member States**



# IAEA RW Management Program

## Our mission

**Assist Member States in managing their nuclear and radiological liabilities, including radioactive waste, decommissioning of installations , and remediation of contaminated sites , in a safe sustainable, and cost-effective manner.**

# IAEA RW Management Program

## Our organization

- **Waste Environmental and Safety Section** (Dpt of Nuclear Safety & Security)
- **Waste Technology Section** (Dpt of Nuclear Energy)

# IAEA RW Management Program

## Our activity areas

- **Radioactive Waste Management**
  - Pre-disposal
  - Disposal
- Discharge of radioactive effluents
- Decommissioning of installations
- Environmental Remediation of Contaminated Sites
- Management of Disused Radioactive Sources

# IAEA RW Management Program

## Our work

- **Development of Safety Standards and Technical Publications**
- **Provision of direct assistance to Member States through IAEA's Technical Cooperation**
  - Expert missions, fellowships, scientific visits, training, equipment procurement, etc.
- **International Safety Appraisal & Peer Review Services**
- **Organization of conferences, symposia, workshops and other meetings**

# IAEA RW Management Programme

Our method of work

**NETWORKING IS THE KEY....**



# Why develop a Network approach? (1/2)

- Create a forum for
  - *sharing information and lessons learned*
  - *transferring knowledge*
  - *comparing approaches* valued by all MS
- ***Coordinate support*** to organizations or Member States with less advanced programmes from Member States with more experience;
- Complement existing Agency activities with more ***demonstration projects*** giving practical ***hands-on and user-oriented*** experience

# Why develop a Network approach? (2/2)

- Improve **efficiency / effectiveness** in planning and delivering training – to whom & when needed
- Obtain direct **feedback, advice and guidance** on the IAEA's programmes in radioactive waste management, decommissioning, environmental remediation
- Provide a means to **build and sustain relationships** through the sharing of information and knowledge

# NETWORKS – “Centres of Excellence”

Organizations that possess a demonstrated breadth of radioactive waste management (disposal, D&D or ER) experience, a record of excellence in a wide range of areas, facilities suitable for demonstration or training and a willingness to share their experience through the NETWORK, are identified as **“Members”** and acknowledged as **“Centres of Excellence”**.

# NETWORKS - Partnership

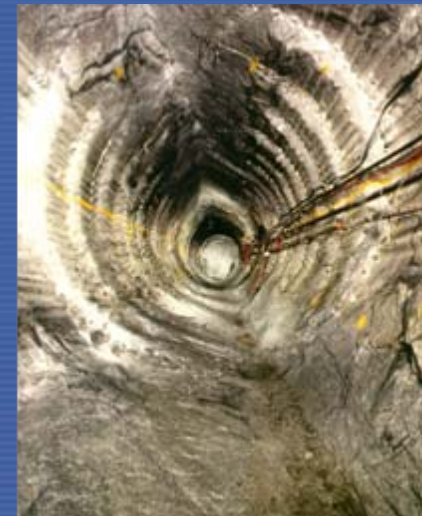
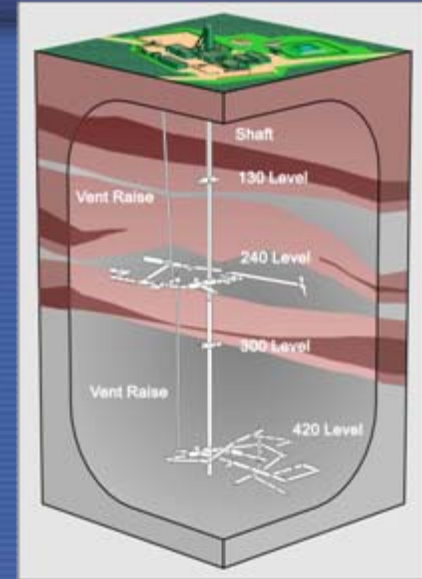
- **“Member”** organizations, who will provide expertise and training capabilities
- Activities/operations centred around a real demonstration project, offer a venue for **“Participant”** training and other forms of co-operation, while receiving assistance from **“Members”**

# “URL Network” ...

An International Network  
of “Centres of  
Excellence”  
for the research and  
demonstration of  
technologies in geological  
disposal

- Established in 2001

Contact: [b.neerdael@iaea.org](mailto:b.neerdael@iaea.org)



# “IDN” ...

## An International Network of “Centres of Excellence” for the decommissioning of installations

- Established in 2007

Contact: [paul.dinner@iaea.org](mailto:paul.dinner@iaea.org)

Website: <http://goto.iaea.org/decommissioning>



# **“DISPONET” ...**

**An International Network of  
“Centres of Excellence”  
for the disposal of  
low-level radioactive waste**

- **Being established in 2008-09**



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# **“ENVIRONET” ...**

**An International Network of  
“Centres of Excellence”  
for the remediation of  
radiologically contaminated  
sites and clean-up of soil  
and/or groundwater**

- To be established in 2009**



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# NETWORKS - Terms of Reference

- A Plenary session involving all **members** and **participants** at least once a year, using the format of a “Technical Meeting” *to review progress, revise work programs, and make specific plans and commitments.*
- A **Steering Committee (SC)**, comprised of members, representatives of the sponsoring IAEA Departments and the Scientific Secretary meets as required *to provide strategic direction.*
- An **Annual Review** is prepared for the SC

# NETWORKS - Activities

- **Hosting of training courses, fellowships or scientific visits by Members;**
- **Provision of suitably qualified and experienced individuals to support Participants;**
- **Providing qualified peers amongst the Participants to support the IAEA's efforts on peer reviews and technical support;**
- **Provision of expertise in the IAEA's programme areas;**
- **Use of fellowships, exchanges, coaching and mentoring, both on an individual and potentially on an organizational level**

# RW Disposal - Upcoming events

- **International Workshop on RW Disposal at Intermediate Depth**  
Gyeongju City, Korea, December 8-12
- **International Workshop on Management of Disused Sealed Radioactive Sources**  
Chiang Mai, Thailand, January 12-16
- **“DISPONET” kick-off meeting**  
IAEA, Vienna, 1<sup>st</sup> half 2009
- **International Workshop on “Surveillance and environmental monitoring of LLW disposal facilities : sharing experience and lessons learned”**  
ANDRA Centre Manche, Cherbourg, France, 2<sup>nd</sup> Qtr 2009

# Envir. Remediation - Upcoming events

- **International Conference on “Remediation of Land Contaminated by Radioactive Material Residues”**

in cooperation with UNDP / UNSCEAR / NATO / WHO / EBRD / ISTC

Astana, Kazakhstan, May 18-22, 2009

- **“ENVIRONET” Kick-off meeting**

IAEA, Vienna, 2<sup>nd</sup> Qtr 2009

# Decommissioning - Upcoming events

- **International Conference on “Control and Management of Inadvertent Radioactive Material in Scrap Metal”**

in cooperation with CSN, ENRESA and other Spanish organizations

Tarragona, Spain, February 23 – 27, 2009

Conference web site: [http://agora-ice.urv.es/scrap\\_conference2009](http://agora-ice.urv.es/scrap_conference2009)



**Thank you for your attention**