



*The Abdus Salam  
International Centre for Theoretical Physics*



**1962-35**

**Joint ICTP-IAEA School of Nuclear Knowledge Management**

*1 - 5 September 2008*

**IT/IM Initiatives to Support Nuclear Education & Training**

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AUSTRIA*

# ENTRAC

## Electronic Nuclear Training Catalogue

A.Pryakhin, IAEA

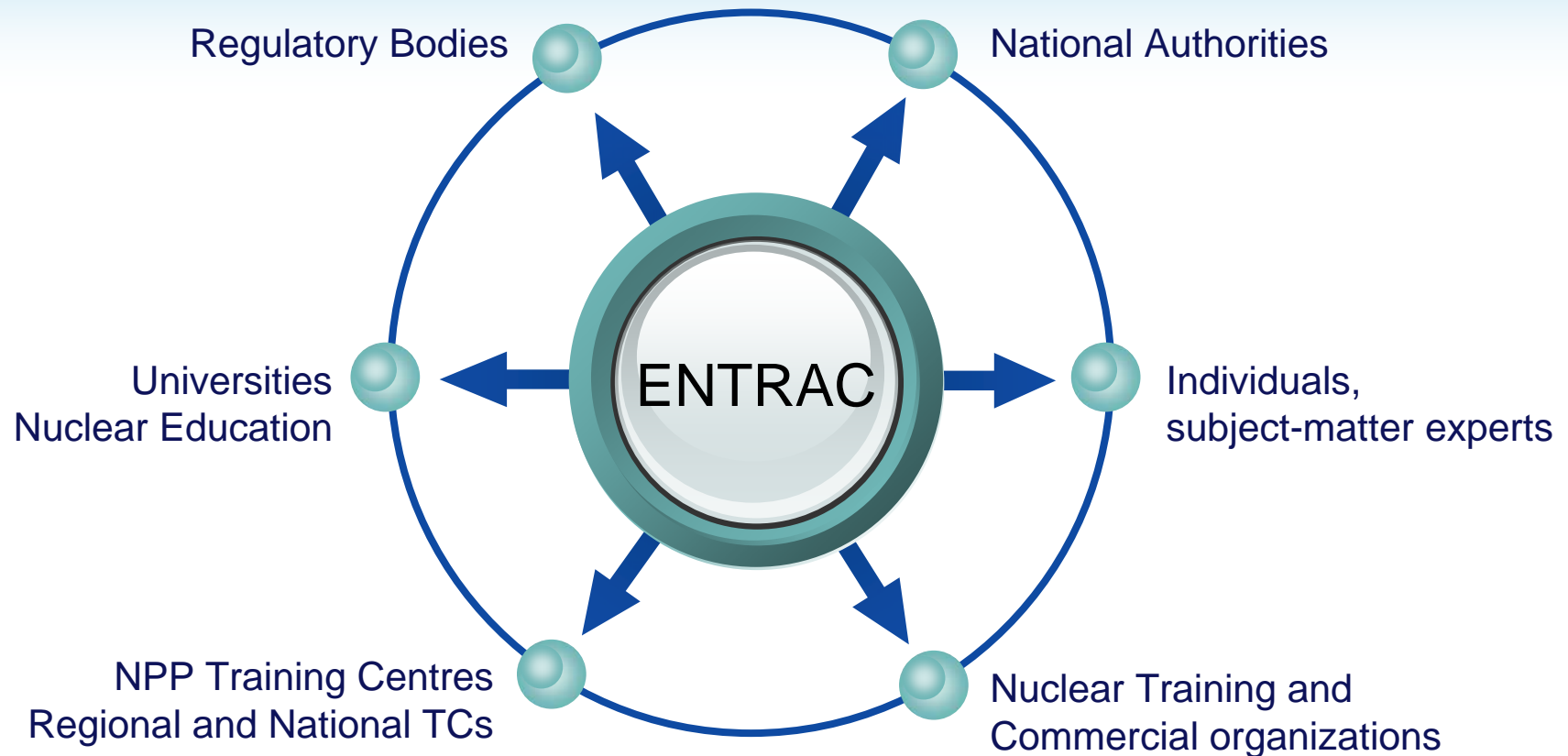
School of Nuclear Knowledge Management,  
1-5 September 2008,  
ICTP, Trieste, Italy



## ENTRAC - Objective

to provide nuclear industry specialists in Member States with information that will help them and their organizations to continually improve and learn from others

# Target customers



# Brief History

- ❖ First Consultancy Meeting – 2003
- ❖ TWG-T&Q – April 2004
- ❖ Consultancy Meeting – 2004
- ❖ Development – 2003-2004
- ❖ Operation – since 2005
- ❖ First Upgrade – December 2005
- ❖ TWG-T&Q – April 2006
- ❖ Second Upgrade – September 2006

# ENTRAC – What is in there?

Training organization datasheets,  
needs and inputs

IAEA Meetings and Training  
Courses

Knowledge Repository

**ENTRAC**

# Directory of Training Organizations

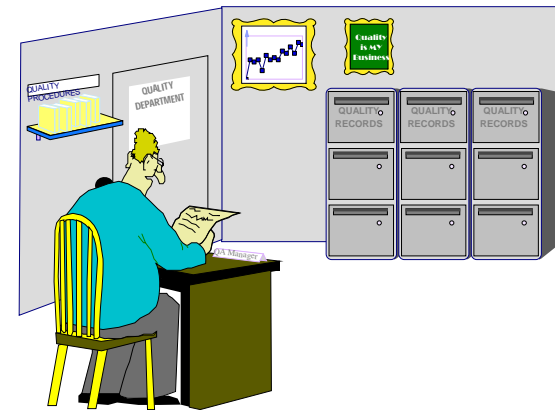
❖ Contact information

Training organization datasheets,  
needs and inputs

❖ Technical material

❖ Training needs

❖ TO Document library



# IAEA Meetings

❖ IAEA Training courses

❖ International workshops, meetings and conferences

IAEA Meetings and Training Courses



# ENTRAC Library

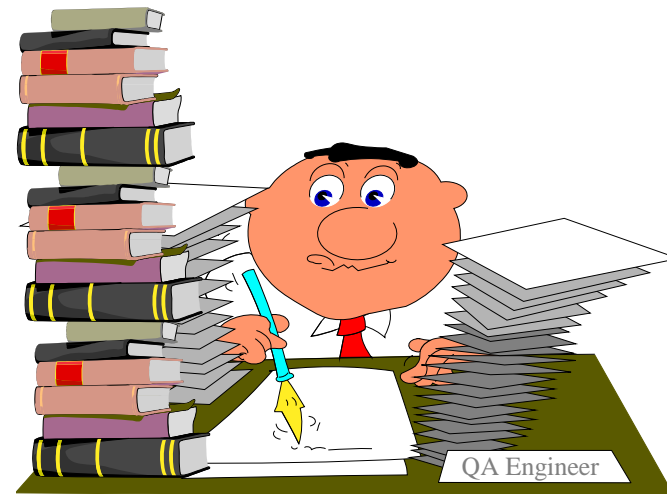
## ❖ Areas

- Training
- Human performance
- Management systems
- Engineering/technology

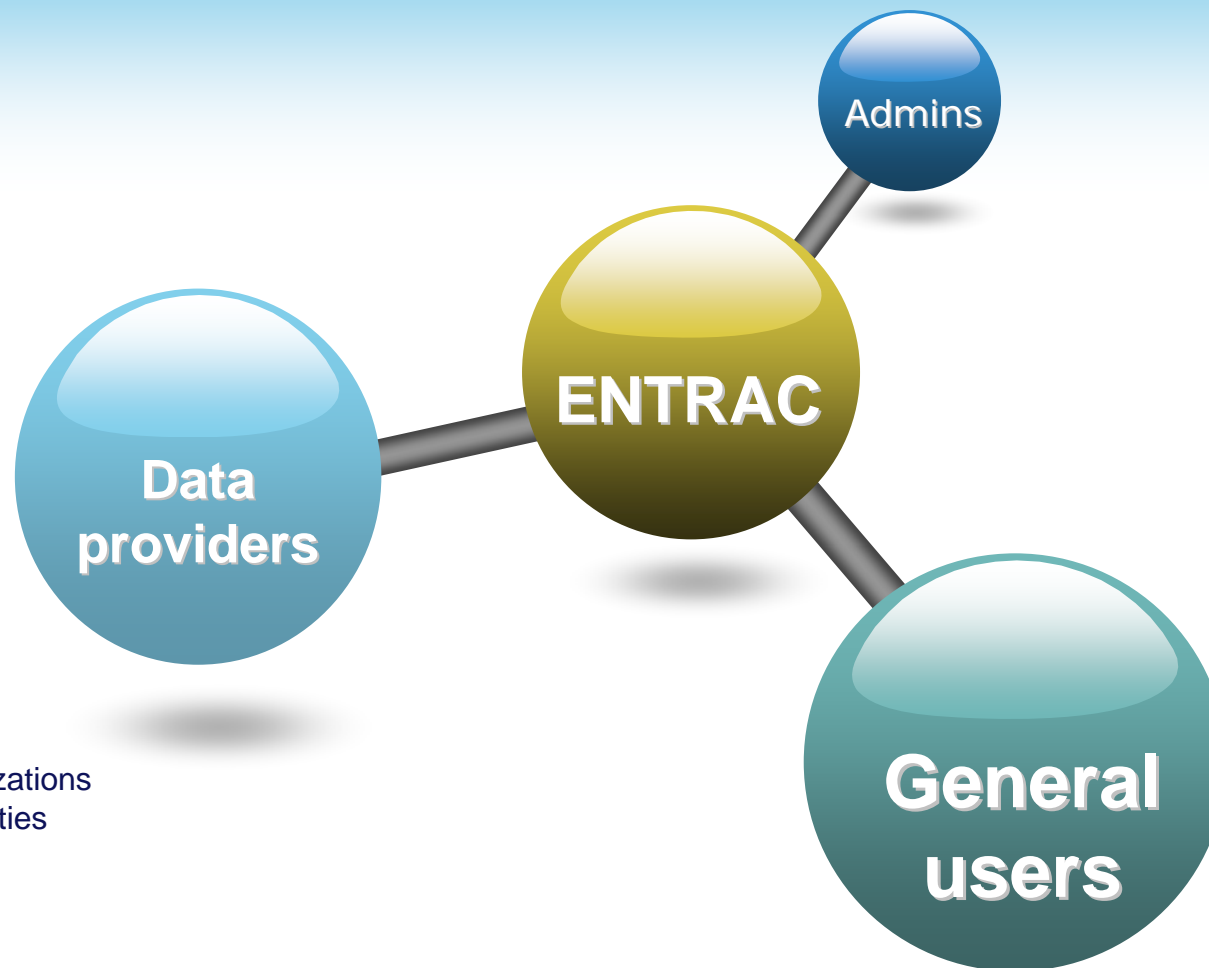
## ❖ Forms

- IAEA documents
- Presentations
- Reports
- Working material of the workshops, meetings and conferences
- Drafts

## Knowledge Repository



# ENTRAC – User roles



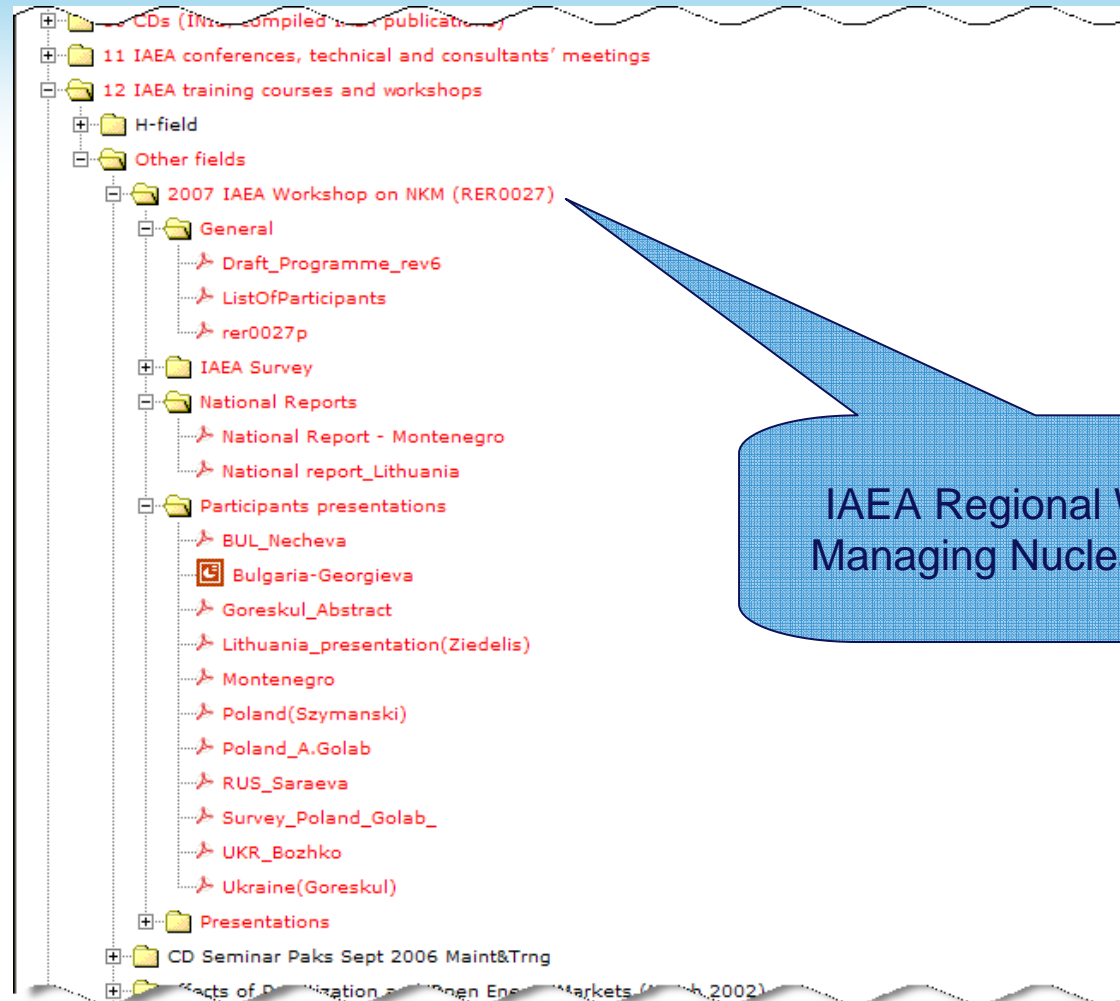
- IAEA
- Training Organizations
- National Authorities

- Registered users
- IAEA Staff

# ENTRAC Knowledge Repository

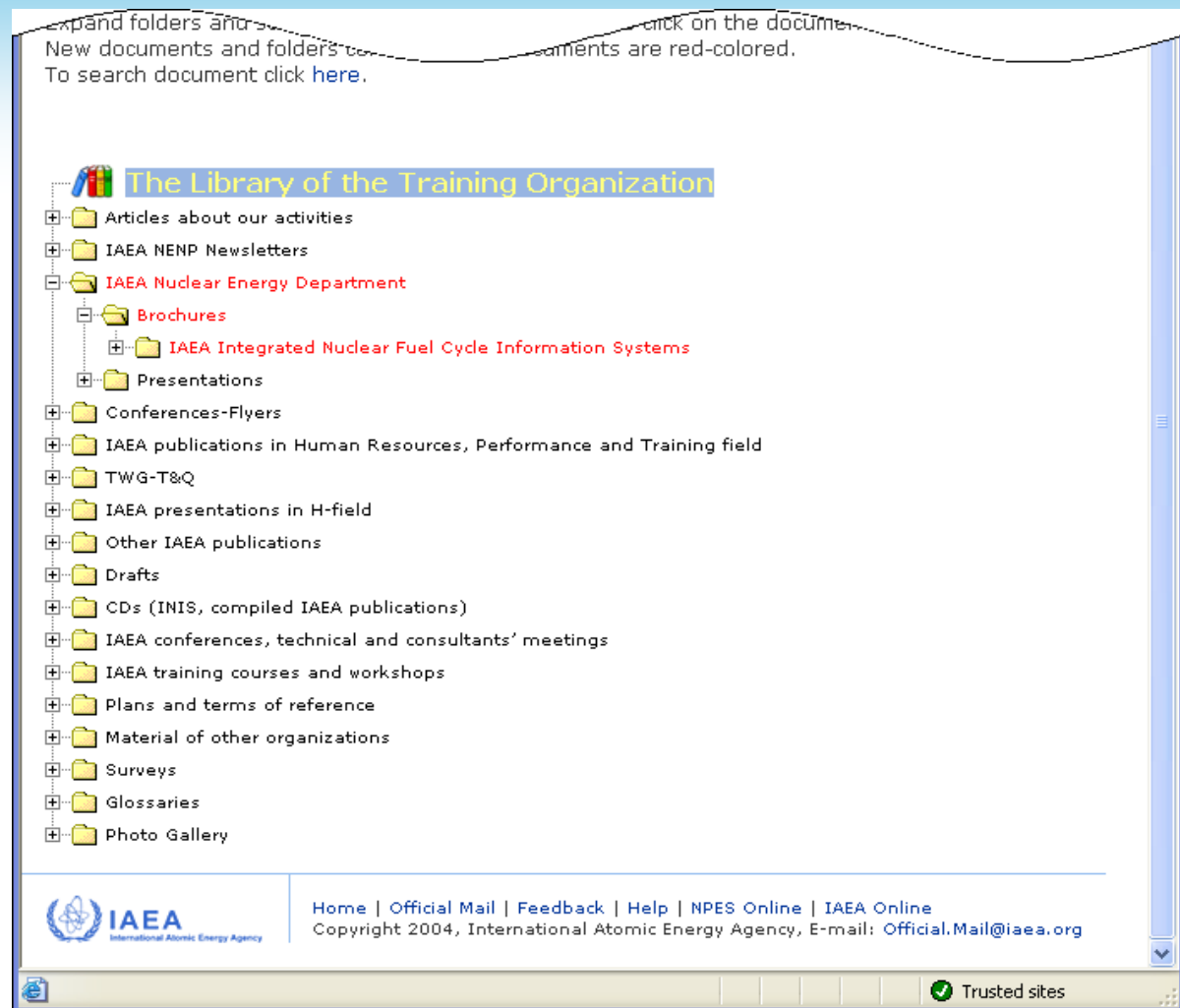


# ENTRAC Knowledge Repository

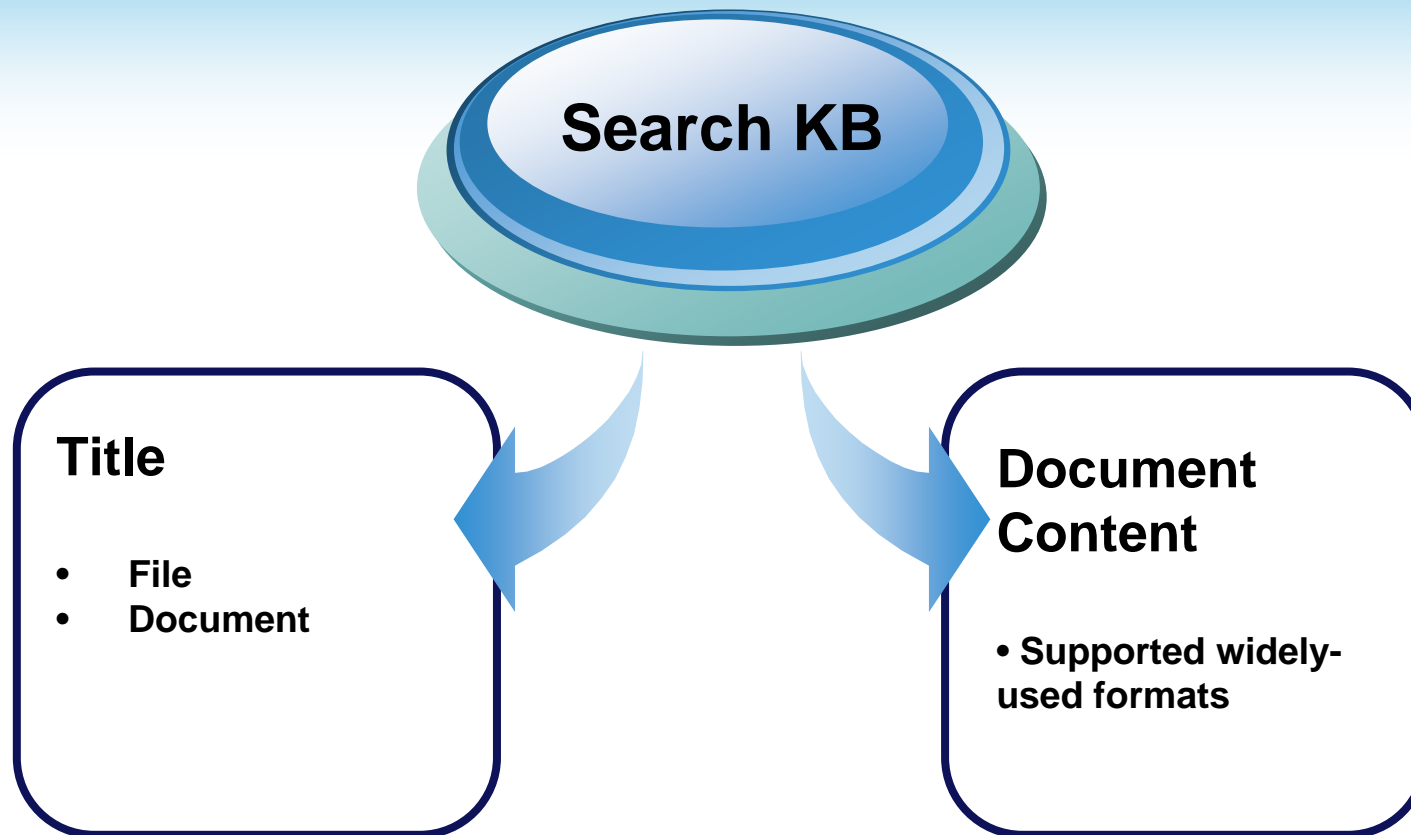


IAEA Regional Workshop on  
Managing Nuclear Knowledge

# Visual Identity of Catalogue Elements



# How to search?



# Search results

**Search**


[by Document Content](#) [by File Title](#)





**Search by Document Content**

Enter search string:



Number of results to output:

Sort Order:

 **Total found: 414**

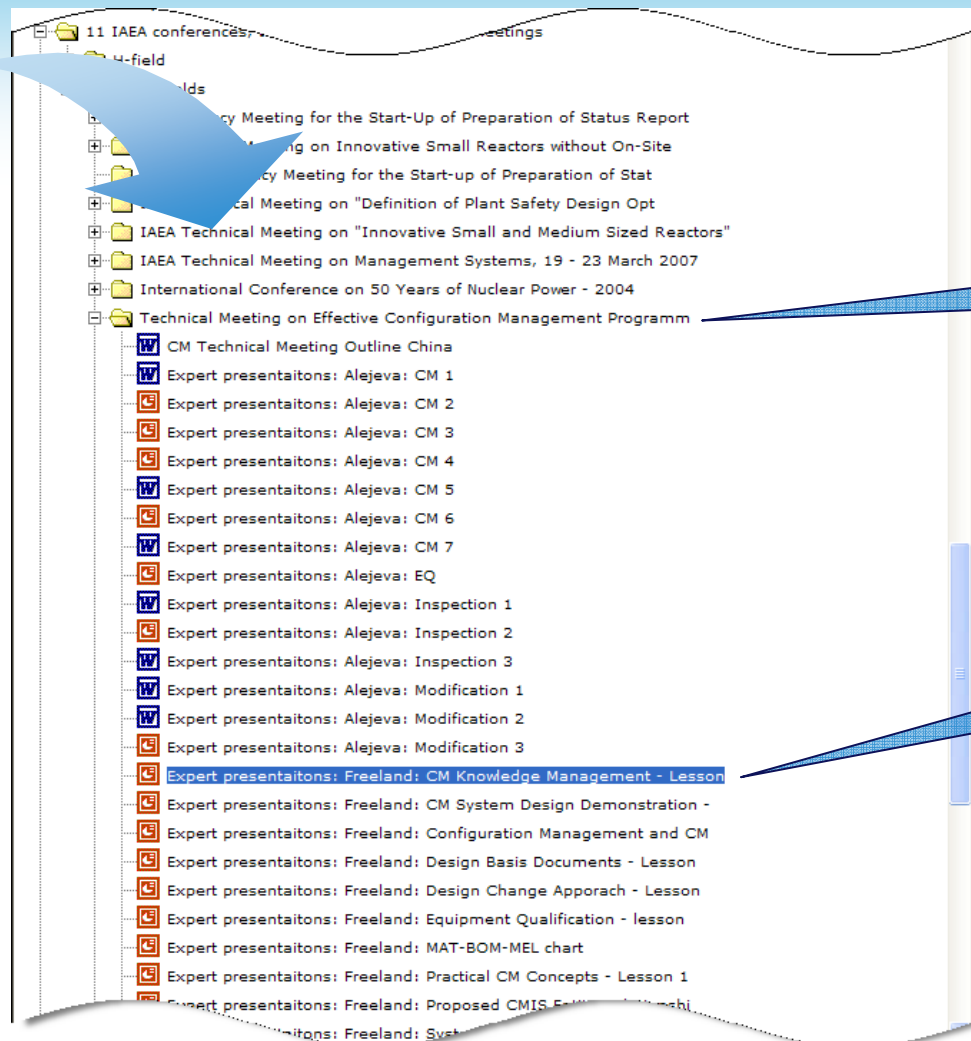
-  **Knowledge Management of KHNP**  
Rank: 100% Size: 2888704 Date: 2004-11-30
-  **Design Basis Document Library**  
Rank: 100% Size: 88064 Date: 2004-11-30
-  **Expert presentaitons: Freeland: CM Knowledge Management - Lesson**  
Rank: 100% Size: 88064 Date: 2004-12-14
-  **National Presentations: Rep. of Korea 8**  
Rank: 100% Size: 2888704 Date: 2004-12-14

**Groups: 2C**

Link to open  
parent folder

# Search results



# Statistics (September 2006 – May 2007)



## General ENTRAC Statistics

This page is intended for ENTRAC Administrators only.

Total number of registered users (excluding service accounts):	<b>467</b>
Total number of users' hits (excluding service accounts) since September 20, 2006:	<b>972</b>
Total number of users visited ENTRAC for the last 30 days:	<b>73</b>
Total number of users' hits for the last 30 days:	<b>591</b>
Ratio (users' hits / number of users) for the last 30 days:	<b>8.10</b>
Total number of documents in ENTRAC Library:	<b>3573</b>
Total size of documents in ENTRAC Library, MB:	<b>5,650</b>

# Nucleus – Nuclear Knowledge Portal

The screenshot shows the Nucleus Nuclear Knowledge Portal website. The browser window title is "NUCLEUS - Content - Mozilla Firefox". The address bar shows the URL "http://nucleus.iaea.org/NUCLEUS/nucleus/Content/index.jsp". The page features a navigation bar with links: Home, Information Resources, Knowledge Centre, Search, MyPortal, Help, Sign In, Register, and Forgotten Password. A search bar is also present. The main content area is titled "Welcome to Nucleus" and includes a paragraph about the portal's purpose. Below this, there are three columns of content: "What's New" (featuring "Food Irradiation Clearances" and "MARIS"), "Resources for" (featuring "Statistics & Forecasts", "Scientific Networks", and "Nuclear Bibliographies & Data"), and "Services" (featuring "Nuclear Knowledge Desk"). A "Web Directories" section lists "Internet Directory of Nuclear Resources", "UN Web System", and "Nucleonica". A "News" section includes "Nucleus Registration and Login (2007-01-04)" and "Nucleus goes external! (2006-07-09)". The footer contains copyright information for the International Atomic Energy Agency (IAEA) and contact details.

**NUCLEUS - Content - Mozilla Firefox**

File Edit View History Bookmarks Tools Help

http://nucleus.iaea.org/NUCLEUS/nucleus/Content/index.jsp

Search

IAEA International Atomic Energy Agency

Home Information Resources Knowledge Centre Search MyPortal Help Sign In Register Forgotten Password

## Welcome to Nucleus

How many nuclear plants are there? Where does the IAEA run field projects? Which scientific services does the IAEA provide? How many countries have facilities under IAEA safeguards? Many answers are in the Agency's on-line databases and information services. Compiled with Member States and global partners, they span the world of nuclear information. Browse through our catalogue of Knowledge and Information Resources. Alternatively if looking for something in particular, try the search!

### What's New

[Food Irradiation Clearances](#)  
This resource has had a make-over and in the process has been integrated more tightly into Nucleus. It is a database on country approvals of irradiated foods for human consumption. The information includes country name, class of food, specific food product, objective of irradiation, date of approval and recommended dose limit.

[MARIS](#)  
MARIS is another resource that has been recently updated. The search functionality has been enhanced with an integrated map-based interface. This enables easy searching for information on radioactive and stable isotopes, tracers (organic compounds, trace metals) in the marine environment.

### Showcase of the Week

[Nuclear Science References \(NSR\)](#)  
This week's focus is on NSR - The NSR database is a bibliography of nuclear physics articles, indexed according to content and spanning nearly 100 years of research.

### Resources for

[Statistics & Forecasts](#)  
The raw numbers, as reported by IAEA Member States, help track national, regional, and global status and trends in nuclear energy's development and feed the IAEA's analysis and reports.

[Scientific Networks](#)  
The IAEA works with scientific laboratories and institutes worldwide to help countries apply nuclear and radiation technologies correctly and safely. They provide analytical and quality control services in key areas.

[Nuclear Bibliographies & Data](#)  
Scientists, teachers, students, and researchers worldwide turn to the IAEA for technical data, references, and bibliographies including the world's biggest digital nuclear reference centers in multiple fields of nuclear science and technology.

[IAEA Programme Websites](#)  
Various departments, divisions, and sections within the IAEA run and maintain programme-oriented web sites that contain specialized information and cater to specific technical audiences.

### Services

[Nuclear Knowledge Desk](#)  
Has searching public resources failed to provide you with satisfying answers? Why not pose your scientific/technical questions to the Ask-an-Expert Service.

### Web Directories

- [Internet Directory of Nuclear Resources](#)
- [UN Web System](#)
- [Nucleonica](#)

### News

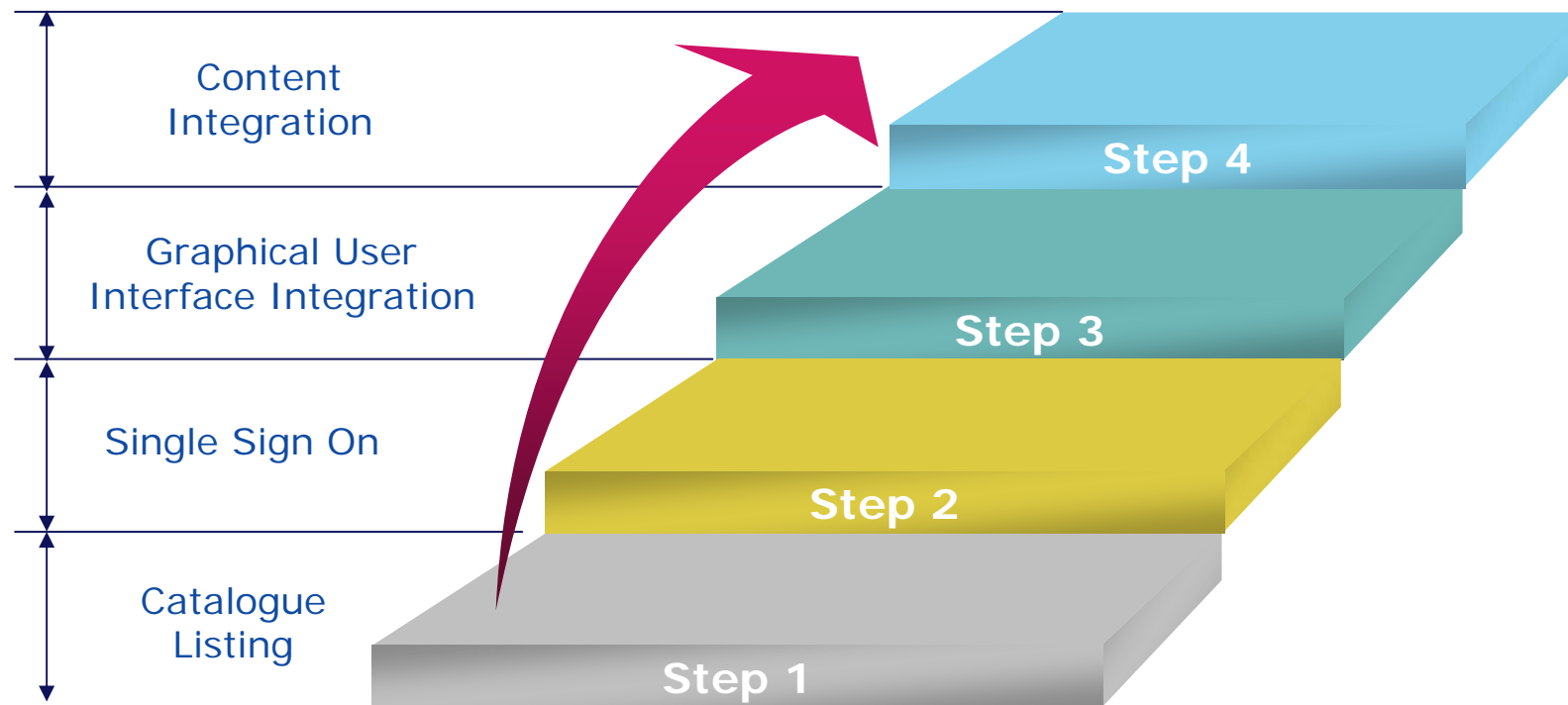
[Nucleus Registration and Login \(2007-01-04\)](#)  
It is now possible for users of Nucleus external to IAEA to register for an account on Nucleus. Then by signing-in, the user can avail of the personalization features of Nucleus. More information on this coming soon to the help pages.

[Nucleus goes external! \(2006-07-09\)](#)  
Nucleus is now available outside of the IAEA! As Nucleus will continue to evolve, do come back soon to see any updates. We are interested in all feedback so send your comments to [Nucleus@iaea.org](mailto:Nucleus@iaea.org). Don't forget to tell your colleagues and contacts in Member States to visit <http://nucleus.iaea.org>

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Done

# Nucleus Portal Integration



# Where go to?



<http://entrac.iaea.org>

# *ENTRAC*

**Electronic Nuclear Training Catalogue**

# Thank You !