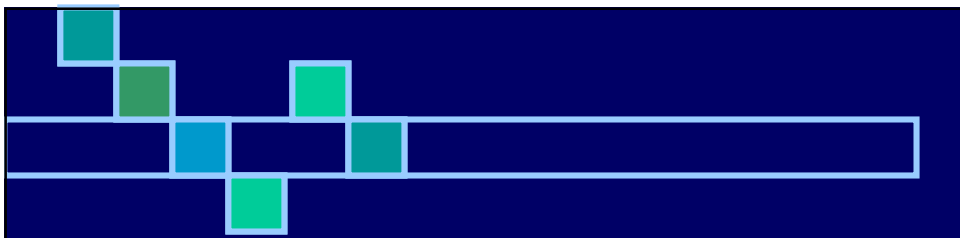


Workshop on Management Nuclear Knowledge

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Knowledge Preservation of Atucha Type Reactor

Case of Study: KP-Data Management and Technical Information in NPP

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Argentina

Introduction

KP-Project

KP-Development



KP Atucha Type Reactor

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Home->Introduction

- 1950 CNEA was born
- 1974 NPP Atucha I entered in commercial operation (risen later to 357 Mwe)
- 1981 NPP Atucha II (745 Mwe) started to be in construction
- 1984 Embalse NPP(Candu type) entered in commercial operation
- 2004 Atucha I and Embalse NPP are in operation, Atucha II 82% of work advance



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- Scenario
- Objective
- In order to

Introduction

KP-Project

KP Development





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Home->Kp-Project -> Scenario

- Siemens transferred its nuclear activities to Framatom ANP
- Nuclear Sector Personnel is aging and numerous people are near to retirement
- Few young people in nuclear disciplines





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Home->Kp-Project -> Objective

- The objective of the Project is to Implement a KM System to assure Knowledge Preservation of Atucha Reactor Technology






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Home->Kp-Project -> In order to

- Extend Atucha I operative life
- Finish Atucha II construction
- Form new experts
- Capture and capitalize the tacit and explicit knowledge
- Provide much easier access to available knowledge





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Home->Kp-Development -> Strengths

- Huge quantities of documented Knowledge
- Several databases and software in use
- Permanent practise of meetings
- Local Net available




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Home->Kp-Development -> Challenges

Challenges at Analysis Stage

- Recognizing the Knowledge domain
- Identifying critical Knowledge




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Home->Kp-Development -> Challenges

Challenges at Design Stage

- Hardware
- Software




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Home->Kp-Development -> Hardware

Two different NPP with different ITC Technology installed

- **NPP in operation** has installed local nets
 - Intranet
- **NPP in construction** has installed MainFrame (host and Terminal OS 360) Tape Unites Devices to store information and application availables
 - It is connected to Operation NPP Server to access Intranet



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As a consequence of ITC software evolution during 30 years..

- **NPP in operation** has many Databases (Ms, SQL, Dbase, Oracle, MicroIisis) to different purposes.
 - Data available in different formats. Most in word processors format, a few in pdf, html.
 - Some drawing in dwg, Videos.
 - **ALL IN PAPER**
-
- **NPP in construction** has few Databases that run in the Host
 - **ALL IN PAPER**



The KP Server

- A New Server developed under NON Property Platform
- Without data entry of information . (The system will take Information from Databases in use)





Home->Kp-Development -> Software



At the Moment

- **Technical Documents Database** was migrated from Host to PC and was developed an application to manage it.
 - It's been designed the **connection to share Databases.**
- 




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Thank you for your attention



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