

# Session 2.5

## Capacity Building for Nuclear Power Life Extension: Case of the Argentine Republic

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# Scope of IAEA Assistance

The activities carried out within the framework of TC projects involved representatives from:

- National Atomic Energy Commission (CNEA);
- Nucleoeléctrica Argentina S.A. (NA-SA) -utility-;
- Nuclear Regulatory Authority (ARN).



Main results:

- Development of capabilities in ageing management and life management of NPPs.

These allowed to support:

- Commissioning and licensing of Atucha II NPP;
- Atucha I NPP life extension studies;
- Embalse NPP life extension program.

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**Contributing to development**

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# Achievements under IAEA TC Projects

## Project ARG4093 – 2009/2011

### Supporting Ageing Management for the Long-Term Operation of Atucha II NPP

- Development of a methodology for implementing the PLiM Programme, provision of base line information and knowledge to carry out an ageing management programme for LTO, among others.

## Project ARG2013 – 2012/2014

### Supporting a Plant Life Management Programme for Long Term Operation of Atucha-Type Nuclear Power Plants

- Creation of working groups on this issue and the acquisition of capabilities to extend the spent fuel storage and master techniques to evaluate degradation, among others.

## Project RLA9080 – 2014/2017

### Enhancing Nuclear Power Plant Life Management and Safety Culture Practices

- Ongoing project
- Meetings/Workshops: 16 (5 in Argentina)
- Scientific visits: 8 (4 national experts abroad)



Workshop on Methodology for the Development of Aging Management programs. Constituyentes Atomic Center. December, 2009.



Workshop on Obsolescence Management of Instrumentation and Control Systems. Atucha Site. March, 2013.



# Actions and plans to further consolidate the established capabilities

## Future actions

- Continuous advisory support to enable the NPPs operators and R&D institutions to meet the requirements for an acceptable level of safety at every stage of the life cycle; including aging and long term operation management.

## Contributions of projects based on SDGs



- Ensure access to affordable, reliable, sustainable and modern energy for all.
- Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.
- Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation.
- Take urgent action to combat climate change and its impacts.



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**Thank you.**

**Oswaldo Calzetta Larrieu**  
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