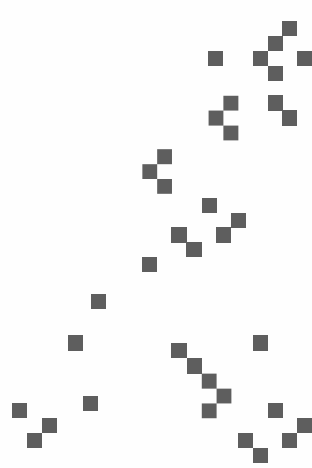
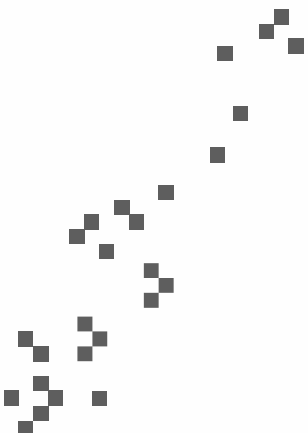




International
Symposium
on **PRE**paration
for **DEC**ommissioning



AREVA's experience in Decommissioning



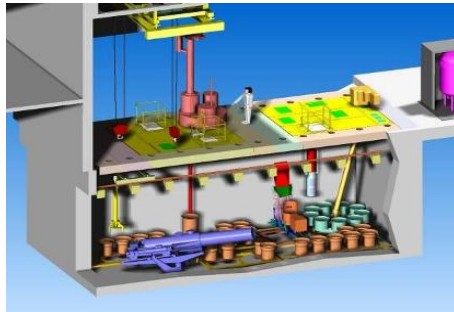
Guillaume Dureau
16th February 2016

Introduction

- **AREVA is a major owner-operator of nuclear facilities**
 - As such, AREVA bears the responsibility for full management of its assets, up and beyond their End of Life
 - This includes Decommissioning, Dismantling, Cleanup and Reusing of the land / facilities as appropriate
 - AREVA is also involved in D&D projects for domestic and international customers

- **Internal Projects**

- La Hague



La Hague – Pond 907

- **Domestic Projects**

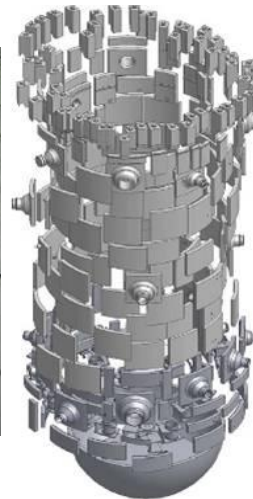
- Georges BESSE I
- CEA Marcoule



Marcoule
Decladding Pool



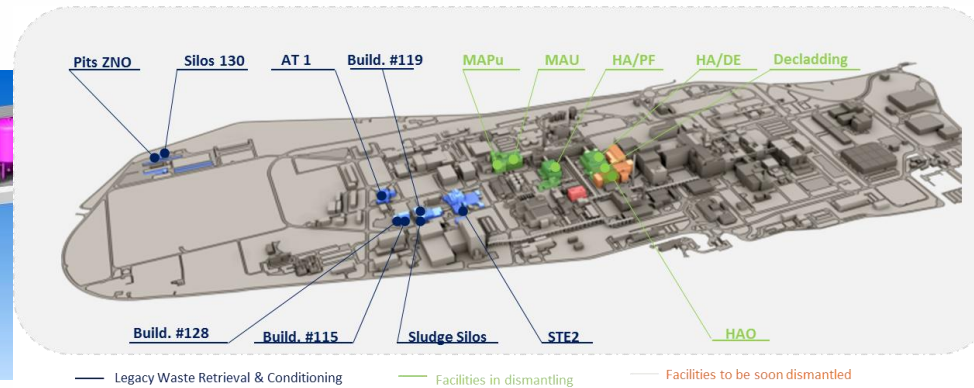
Marcoule
Pit cleanup



Würgassen NPP

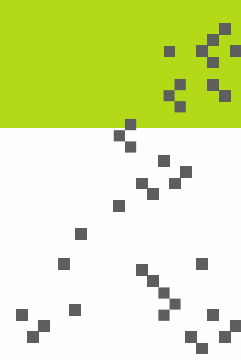


GB1 - GDP



- **International Projects**

- US / Hanford
- UK / Sellafield
- Japan / Fukushima
- Germany



- **Transitioning from Plant Operation to Plant Decommissioning is a deep change**
 - This needs to be understood and recognized as early as possible. It is not “business as usual”
 - Key points to consider in the preparation
 - Social Transition
 - Initial State specification / Characterization
 - Final State specification / « how clean is clean »
 - Interfaces with Regulatory Authorities
 - Waste Management Strategy
 - Organization and Management Transition

AREVA's main lessons learned in D&D Impact on Preparation for Decommissioning

- **Waste and Waste Management is a central focus**
 - Decommissioning is all about waste
 - Larger amount of material are produced with different physical, chemical and radiologic characteristics than what was to manage during operation
 - Optimization of Waste segmentation life cycle: retrieval / processing / conditioning / packaging / routing / transportation / interim storage / disposal is key to control projects cost
- **Planning for Uncertainties is critical**
 - “Surprises” do occur in D&D projects
 - Strategies and plans to anticipate and mitigate potential issues are critical to success
 - This is one of the largest cause of project disruptions with high impact on cost and schedule

Conclusion

- **Preparation for Decommissioning is a key “reflex” to develop for future D&D projects**
 - to minimize uncertainties and control financials
- **AREVA supports the PREDEC conference and related initiatives sponsored by international organizations**
 - As an opportunity to optimize the performance of our business lines
 - Managing our internal D&D projects
 - Providing D&D services to domestic customers
 - Supporting international customers
- **The “New AREVA” organization will remain strongly involved and committed to D&D**
 - It is an integral part of our mission
 - And a major business focus for the group
- **We are looking for feedback and recommendations to improve our business approaches**