

Seminar on Nuclear Fuel Cycle Seminar

Universidad Politecnica de Madrid

April 12th & 13th, 2021

By Dr. Mustapha CHIGUER



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Content

Part I (April 12th, 2021)

1. What is the Fuel Cycle about?
2. The Nuclear Market place at a glance
3. Front-End Nuclear Market
4. Options for Spent Fuel Management (introduction)

Part II (April 13th, 2021)

4. Options for Spent Fuel Management (Cont.)
5. Economics of the Fuel Cycle Back-End
6. Key takeaways & Conclusion



Nuclear Fuel Cycle Seminar

Workshop on Nuclear Fuel Cycle Economics

Universidad Politecnica de Madrid

April 14 & 15th, 2021

By Dr. Mustapha CHIGUER




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Content

Workshop of April 14th & 15th April Workshop



 Participants will be guided during the Workshop to build up a spreadsheet (Excel or similar) on the economics of the Nuclear Fuel Cycle with a focus of two selected Fuel Cycle Management Options namely Once-through & Recycling

1. Nuclear Fuel components determination
2. Valuation of Nuclear Fuel based on Market Fuel Unit Costs
3. Calculation of Reactor Lifetime Front-end (FE) Fuel Cycle Requirements & Costs (Once through Option)
4. Deduction of the associated Reactor Lifetime Back-End (BE) Fuel Cycle requirements
5. Determination of reactor FE & BE Requirements, the Recycling Option case