

STRATEGIC ASPECTS OF THE SOCIAL RESEARCH IN THE DEVELOPMENT OF THE ROMANIAN NUCLEAR SECTOR

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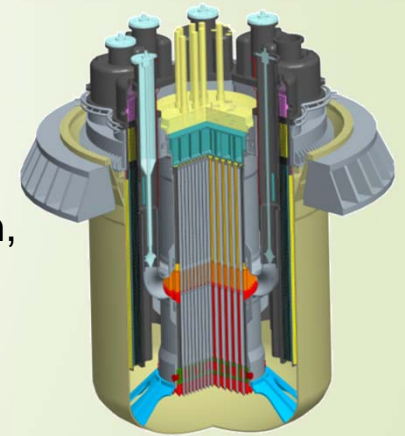
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National Nuclear Agenda



- Operational safety (NPP and other nuclear installations)
- Continuation of works at Unit3&4, Cernavoda NPP
- Plant life extension for Cernavoda NPP Unit 1&2
- ALFRED GenIV demonstrator implementation
- Radioactive waste management (LILW repository construction, geological disposal strategy)
- Mining and environmental issues





S1 - Moderate development

- plant life extension for Unit 1 (from 2026 to 2055) and Unit 2 (from 2037 to 2066) by refurbishment and modernization
- continuation of works at Unit 3 and Unit 4, commissioning and operating

S2 - Accelerated development

- plant life extension for Unit 1 (from 2026 to 2055) and Unit 2 (from 2037 to 2066) by refurbishment and modernization
- continuation of works at Unit 3 and Unit 4, commissioning and operating
- build a new NPP, eventually in coupled functioning with Tarnita-Lapusesti hydro storage pumping system

S3 - Technological development

- plant life extension for Unit 1 (from 2026 to 2055) and Unit 2 (from 2037 to 2066) by refurbishment and modernization
- continuation of works at Unit 3 and Unit 4, commissioning and operating
- implementing of Generation IV nuclear systems with the LFR demonstrator ALFRED as a first step

S4 - Continuation

- plant life extension for Unit 1 (from 2026 to 2055) and Unit 2 (from 2037 to 2066) by refurbishment and modernization
- abandonment of the investment at Unit 3 and Unit 4

S5 - Decreasing

- decommissioning of Unit 1 and Unit 2 after the end of life (2022 and 2032, respectively)
- abandonment of the investment at Unit 3 and Unit 4

