

Third International Conference on Nuclear Knowledge Management - Challenges and Approaches



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Knowledge-based Governance of the "Green" Nuclear Energy: the Role of Comprehensive Life-long Models of RW Streams.

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The global competitiveness of nuclear power depends on the transition to a new generation of high technologies - High blend (convergent, hybrid, additive and so on) which provide a synthesis of the results of previous generations of technology - High tech, High hume, High touch.

Implementation of "green" projects of nuclear power depends not only on the solution to the problems with the choice of types of fast (breed) reactors Generation IV for transition to Closed (partial or complete) Nuclear Fuel Cycle (High tech), but while ensuring safe and effective long-term of Radioactive Waste Management with the participation of all key stakeholders (High hume). The generation High touch technologies creates additional competitive advantages of nuclear power, associated with the use of open innovations 2.0.

In Russia in the year 2011 the Federal Act № 190-FZ was adopted, which establishes the principle of compulsory final disposal of all radioactive wastes and the cost-effectiveness of their burial. From this time the new technology practice are build in Russia: Knowledge-based governance in the radioactive waste management with the use of the comprehensive life-long models of radioactive waste streams.

Country or International Organization

Russian Federation

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