

Trends and Challenges in National Nuclear Energy Policy of Kazakhstan

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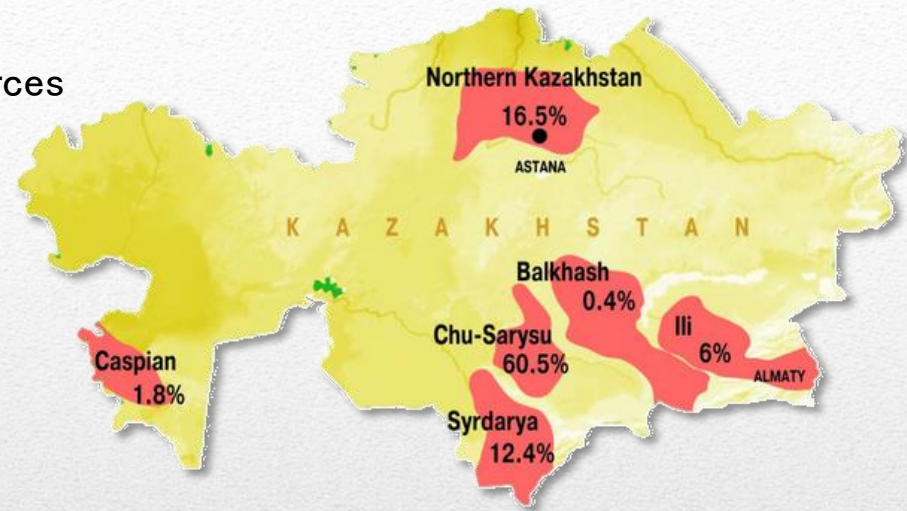
Republic of Kazakhstan

FNCA

Forum for Nuclear Cooperation in Asia

RK Uranium Industry and Nuclear Fuel Cycle

- Kazakhstan possesses considerable resources of Uranium (the 2-nd place in the World).
- Uranium Output in Kazakhstan in 2014 composed 22 800 t (the 1-st place in the World).
- Kazatomprom NAK JSC operates Uranium production in RK (subsidiary and joint enterprises).



IBLEU Establishment in Kazakhstan

- **August 27, 2015** IAEA and Kazakhstan Sign Agreement to Establish Low Enriched Uranium Bank.



Scientific Investigations



Fuel conversion with enrichment 36% to 19,75% upon Uranium-235

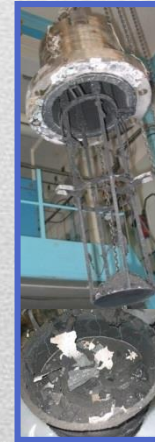
Fuel conversion with enrichment 90% to 19,75% upon Uranium-235 under Contracts with DOE, ANL, Batelle Energy Alliance (USA) and FSUE "SRI SIA "LUCH" (RF)



ANGARA Test-Bench



EAGLE Test-Bench



TOSHIBA experts discuss the results of the Fukushima Project



Nuclear Fusion Technologies

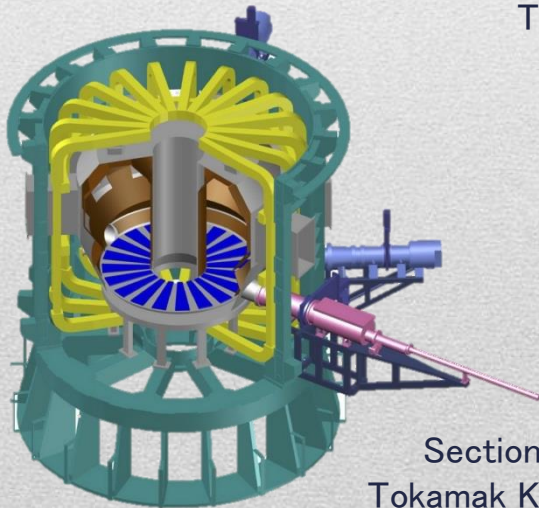
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Astana Kazakhstan



Kazakhstan Material Testing KTM
Tokamak



“Future Fusion Power Engineering” Exhibit Sketch
in EXPO-2017 Exhibition



Section of 3D
Tokamak KTM Model



Section of 3D KTM
Bench Complex Model



**THANK YOU
FOR YOUR ATTENTION!**

