



**РОСАТОМ**

ГОСУДАРСТВЕННАЯ КОРПОРАЦИЯ ПО АТОМНОЙ ЭНЕРГИИ «РОСАТОМ»

**ROSATOM STATE CORPORATION**

# **Development of the System for Used Nuclear Fuel Management in the Russian Federation**

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**Project Office for UNF management and  
decommissioning of nuclear facilities**

**Moscow, 08 June 2011**

# NPP FLEET IN RUSSIAN FEDERATION

**LWRs and FRs in operation:**

**VVER-440 – 6 units in operation until 2030, 2 units under decommissioning**

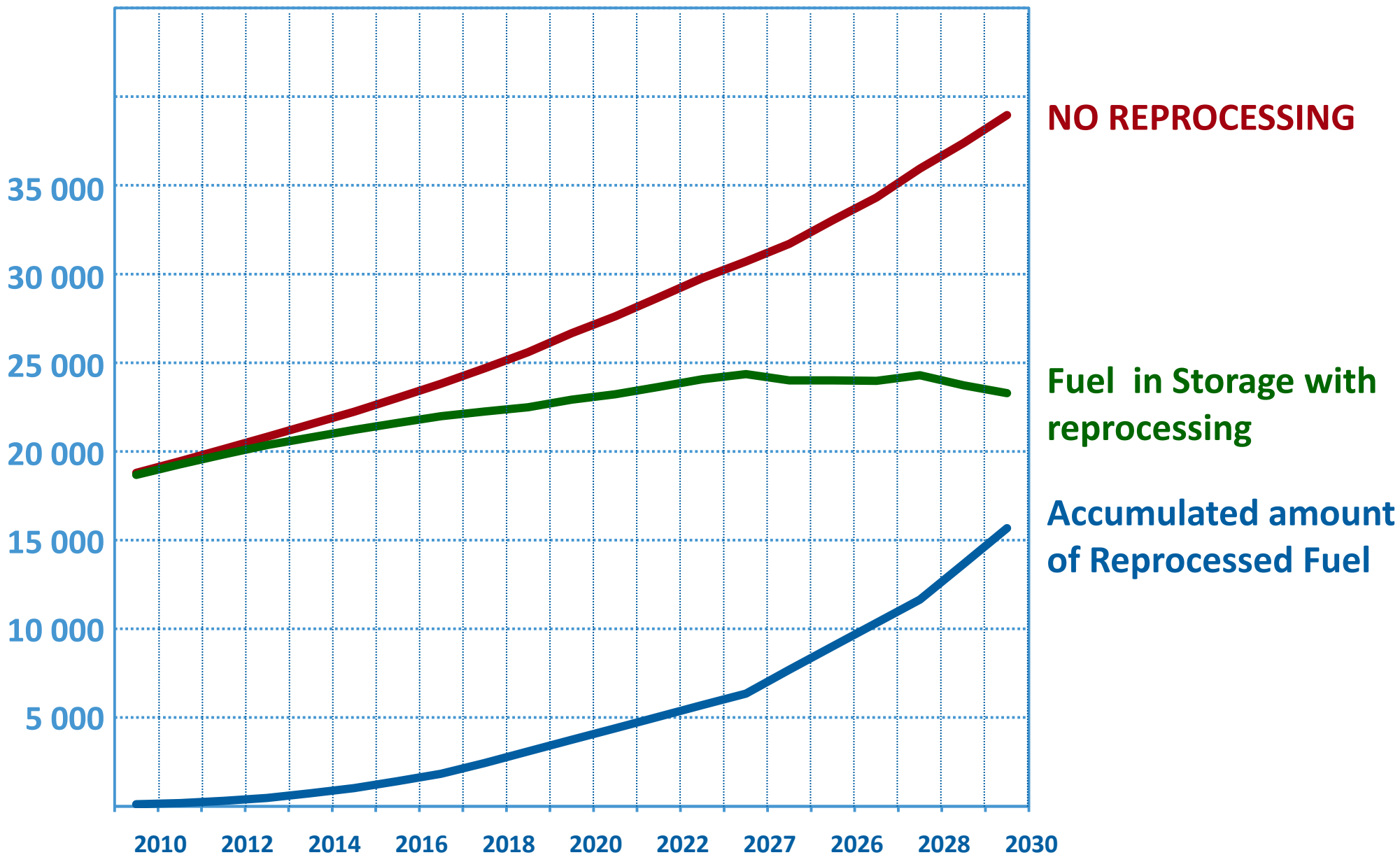
**VVER-1000 – 10 units in operation, 12 units under construction**

**RBMK-1000 – 11 units in operation, decom starts after 2015**

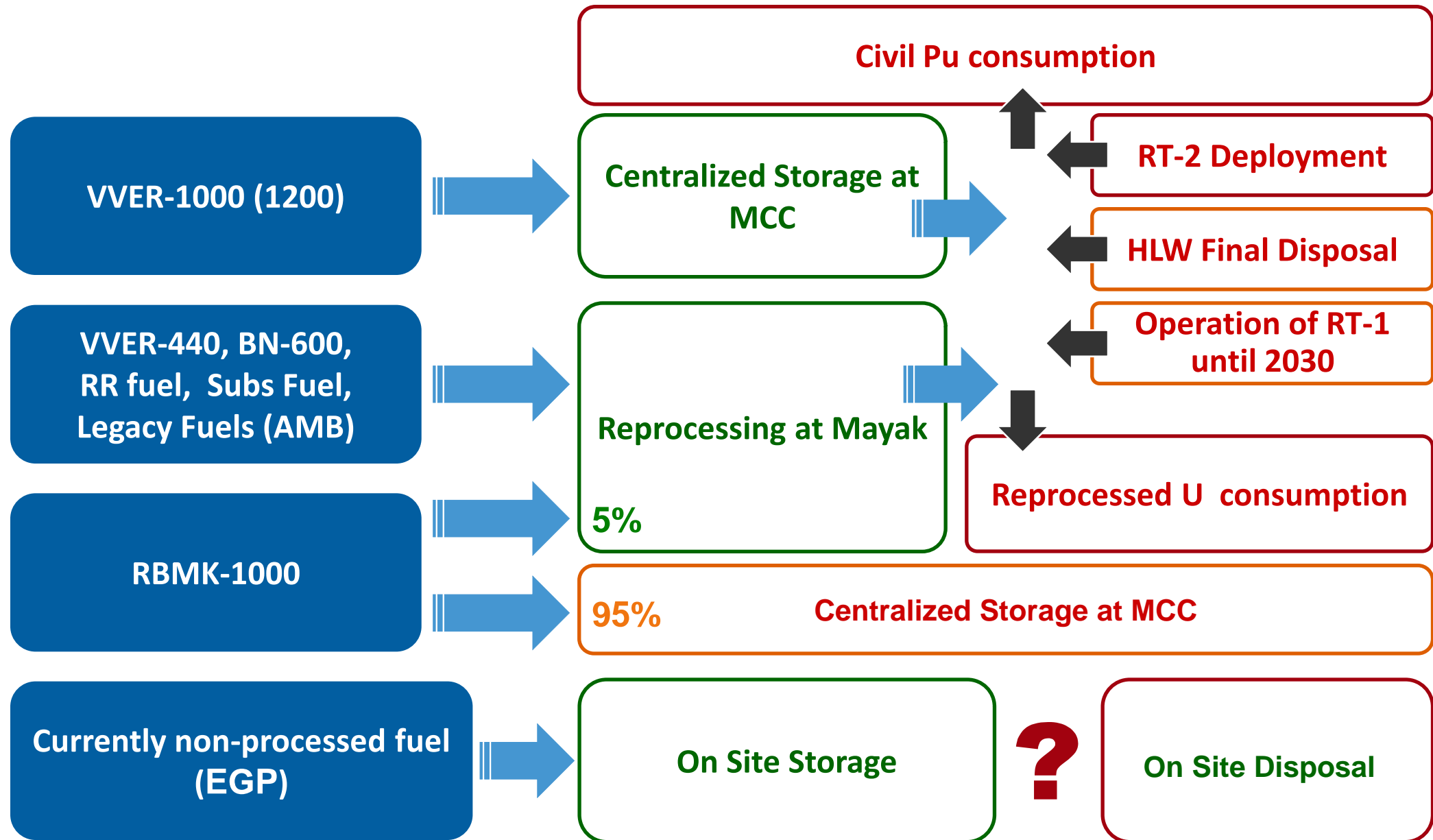
**BN-600 – 1 unit in operation, BN-800 – one unit under construction,  
BN-1200 – deployment of 1-3 units is planned for 2020-2030**

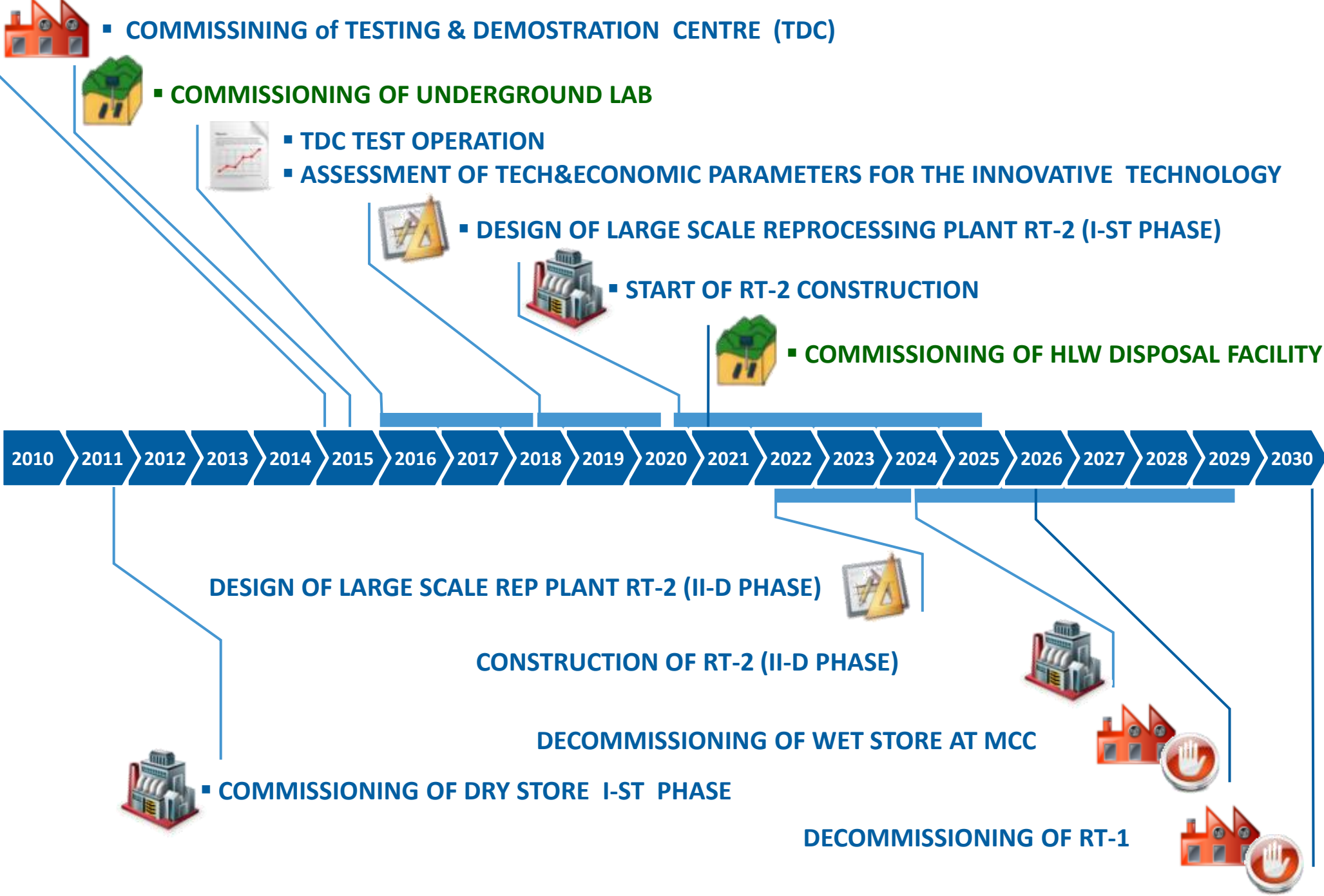
**EGP-6 in Bilibino – 4 units in operation, decom is planned for 2018-2021.**

# PROGNOSYS for ACCUMULATED AMOUNT of USED FUEL IN STORE



# TECHNOLOGICAL STRATEGIES FOR UNF MANAGEMENT

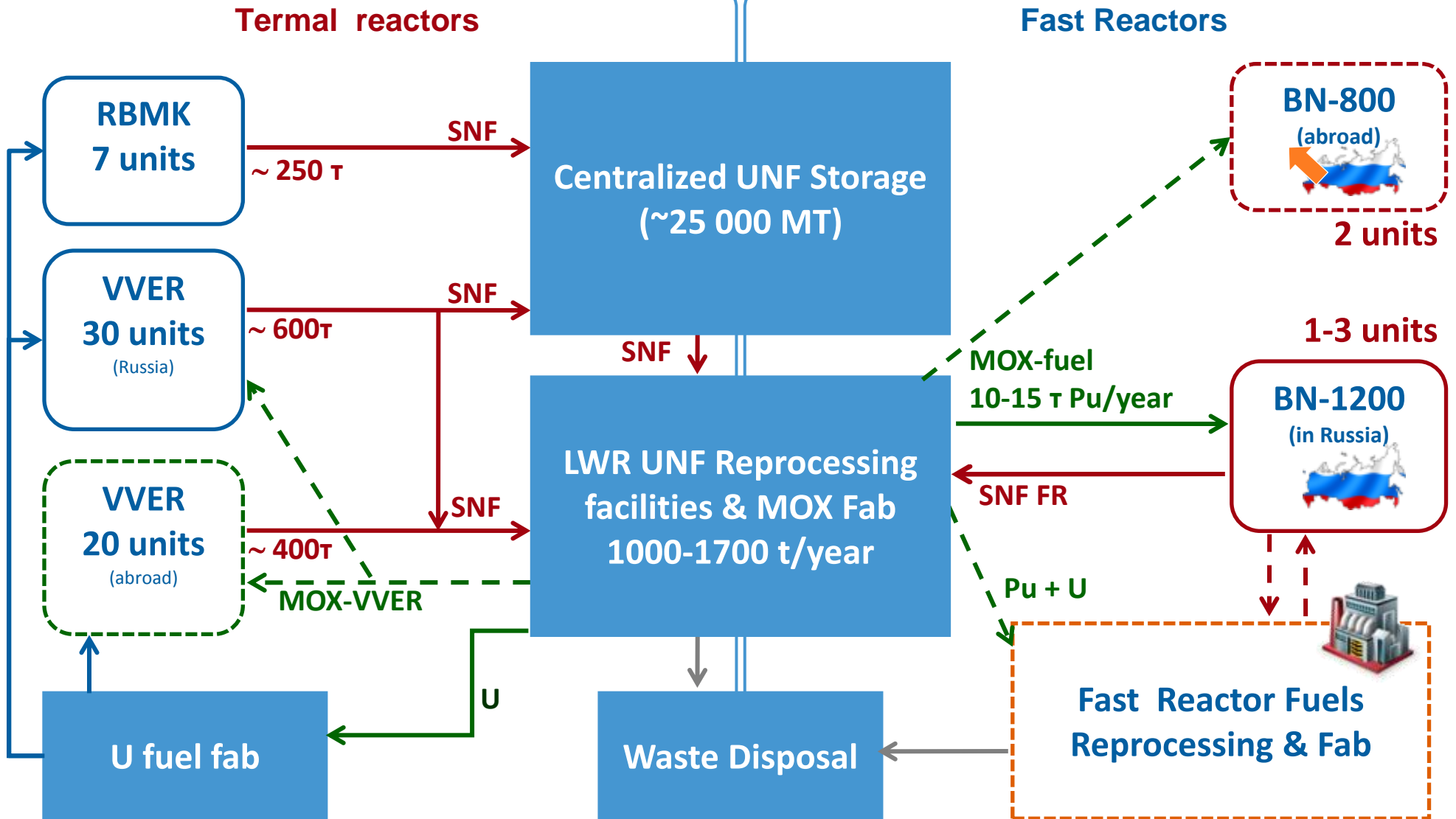




# I-ST STAGE OF DRY STORAGE FACILITY AT MCC SITE FOR 9200 MT (UO<sub>2</sub>)



# INTERACTION OF TERMAL AND FAST REACTOR'S FUEL CYCLES



Model of Integrated UNF Management System for 2025-2030