

Nuclear Power Status 2023

Reactors in operation

371.5 GW(e) total net capacity
413 reactors
2552.1 TWh electricity produced

Reactors in suspended operation

21.3 GW(e) total net capacity
25 reactors

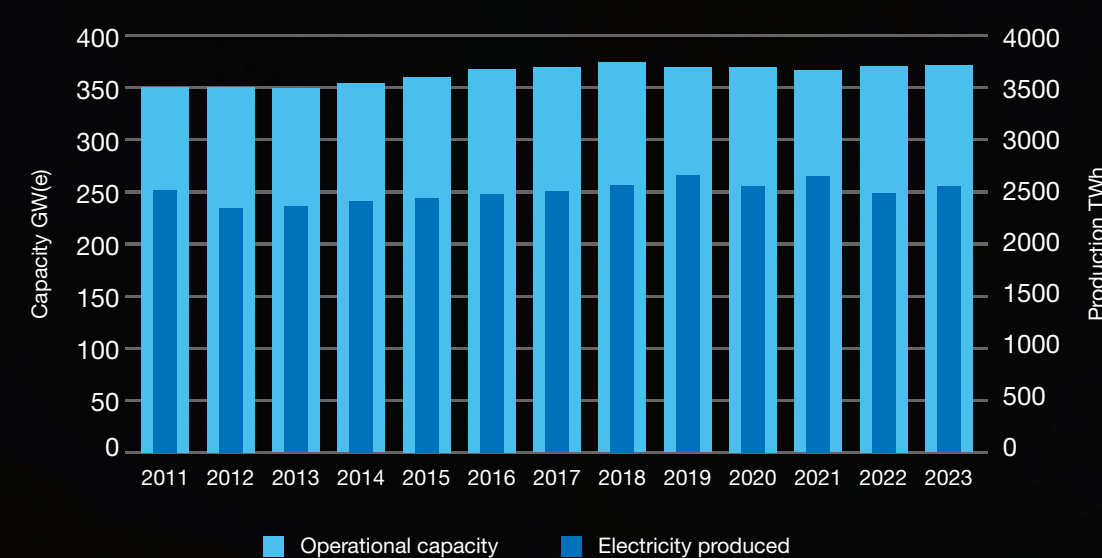
Reactors under construction

61.1 GW(e) total net capacity
59 reactors

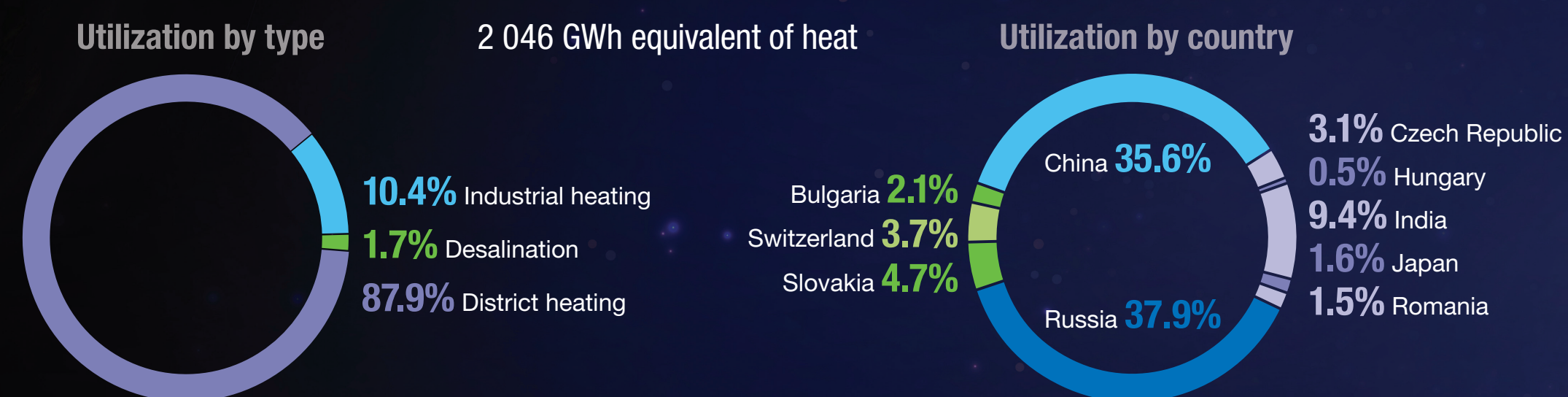


Power Reactor
Information
System
PRIS

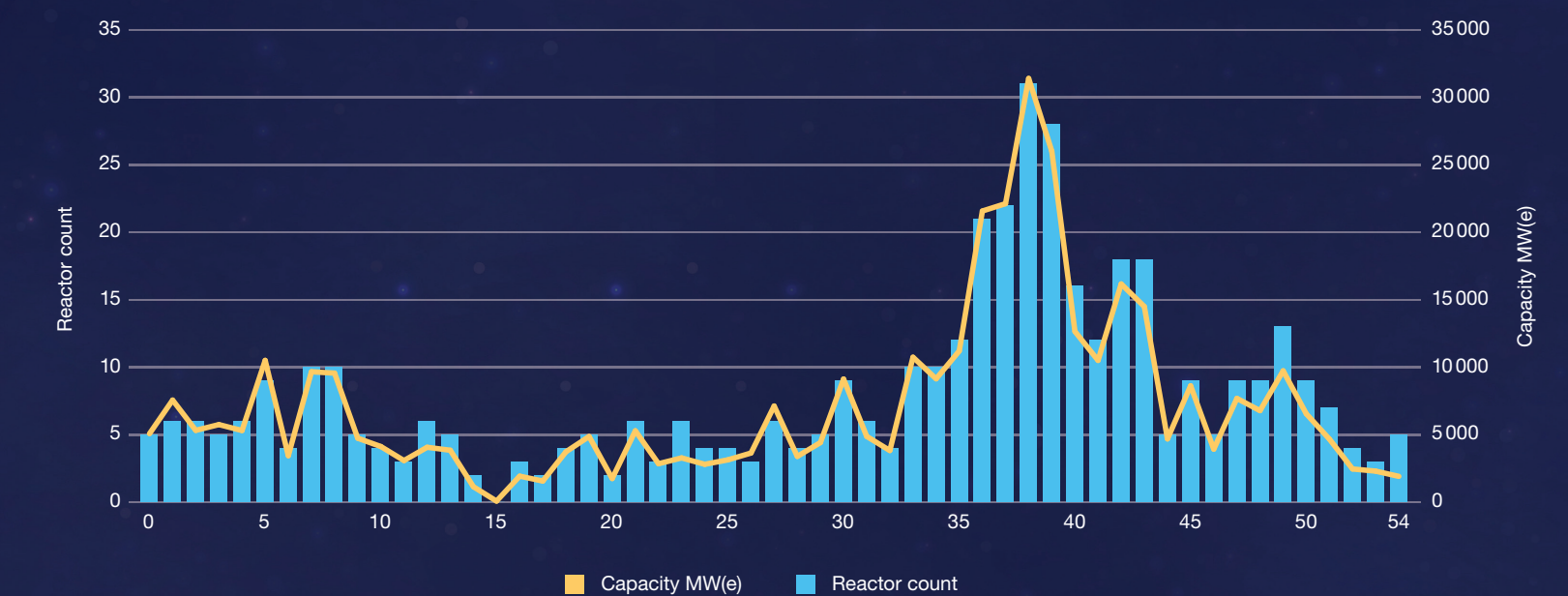
Capacity utilization



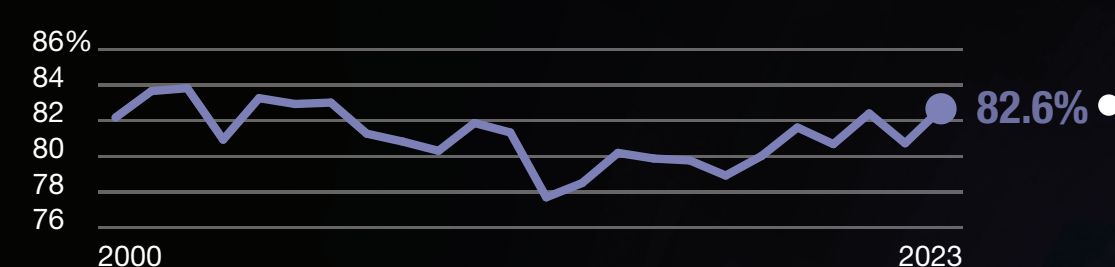
Use of nuclear power for non-electric applications



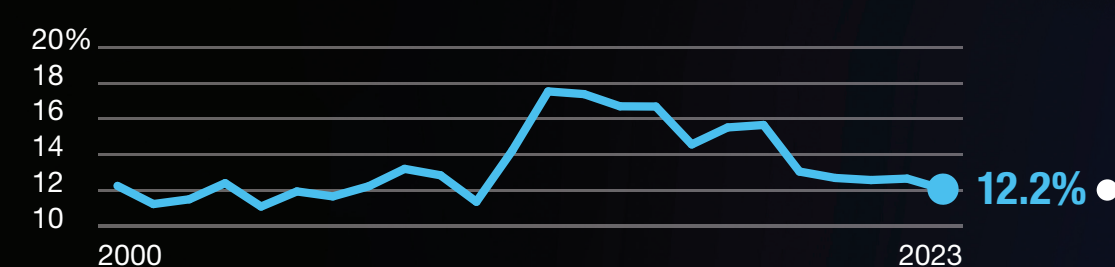
Age distribution of net operational capacity



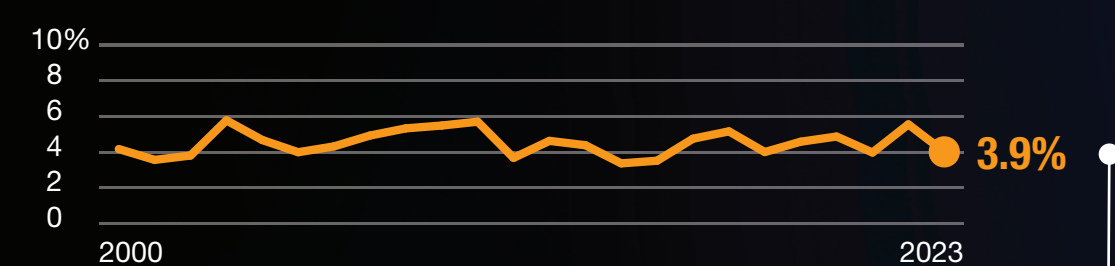
Energy availability factor (EAF)



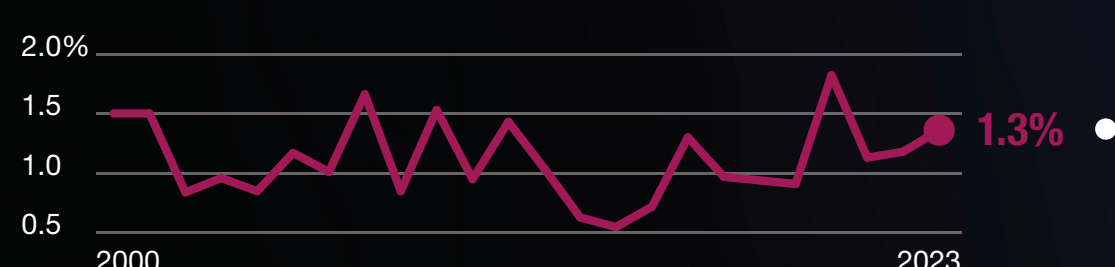
Planned unavailability factor (PUF)



Unplanned unavailability factor (UUF)



External unavailability factor (XUF)



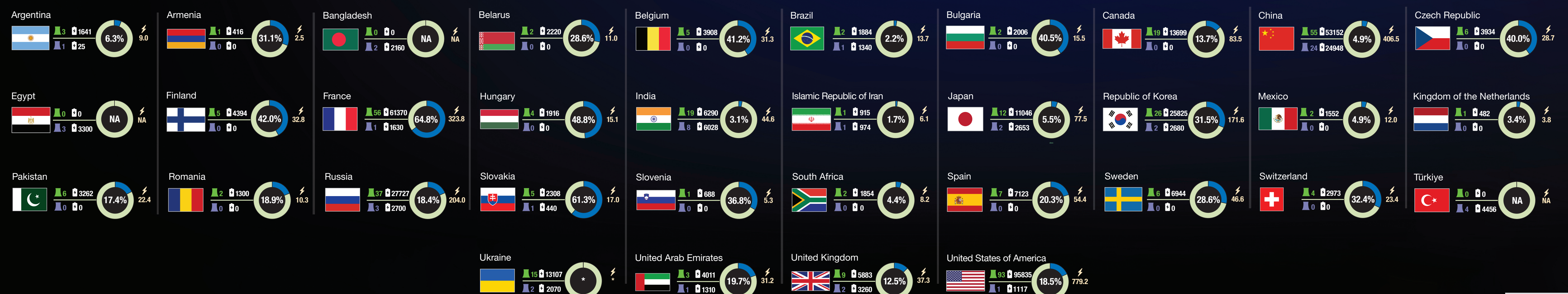
Global nuclear power performance 2023



Reactor status changes



Country statistics

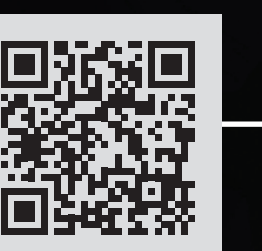


Taiwan, China: 2 reactors, 1874 MW(e), 0 reactors under construction, 17.2 TWh electricity supplied, 6.9% nuclear share.

MW(e) – Megawatts electric GW(e) – Gigawatt electric GWh – Gigawatt hour TWh – Terawatt hour

* Data were not submitted for the year 2023 by the time of publication.
NA Not Applicable

www.iaea.org/pris



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