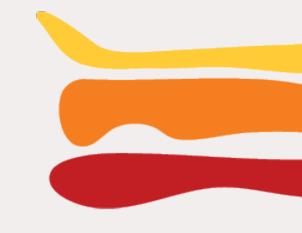


DYNAMICS OF URANIUM MARKETS

Brandon Munro 27 April 2017





Nuclear industry (ie U demand) growing sharply through China expansion

Further strong non-OECD growth fuelled by Russia and India

Key source of clean, base load power sees solid growth profile in OECD

Looming supply shortfall with potential short term catalysts

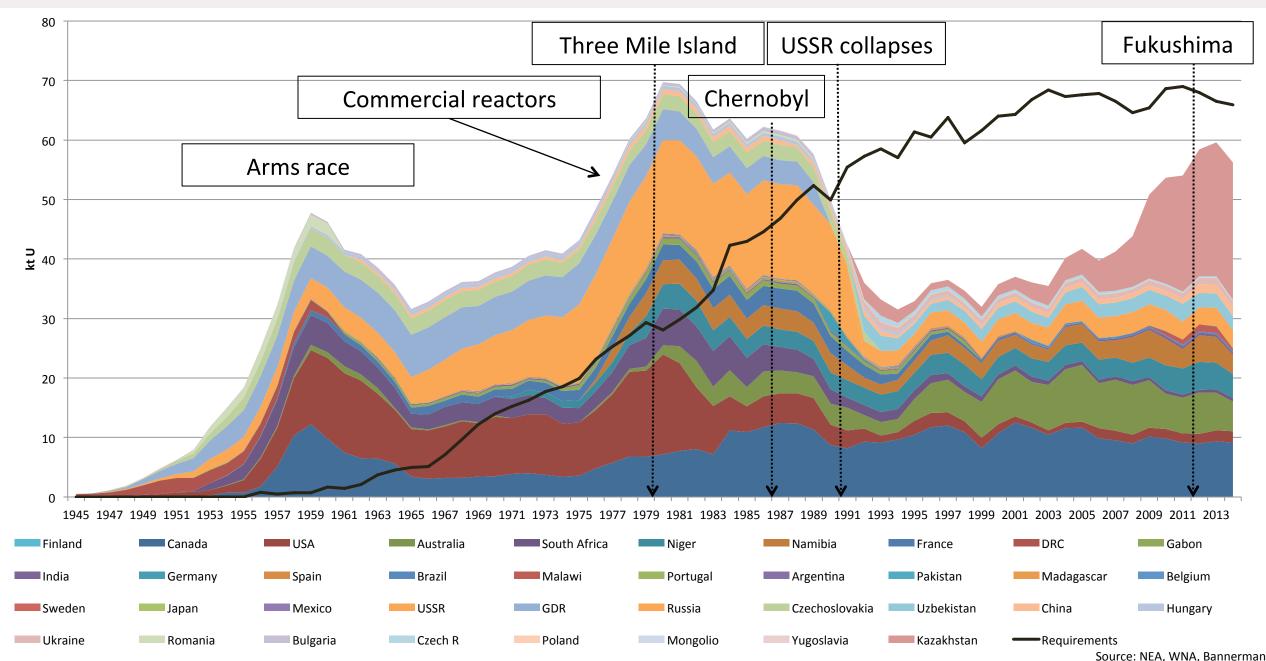
Very few U development projects of scale ready to respond

Dynamics point to abrupt and sustained price correction... but when?

BUT: Kazakhstan dominates supply with ~40% of market and vast resources

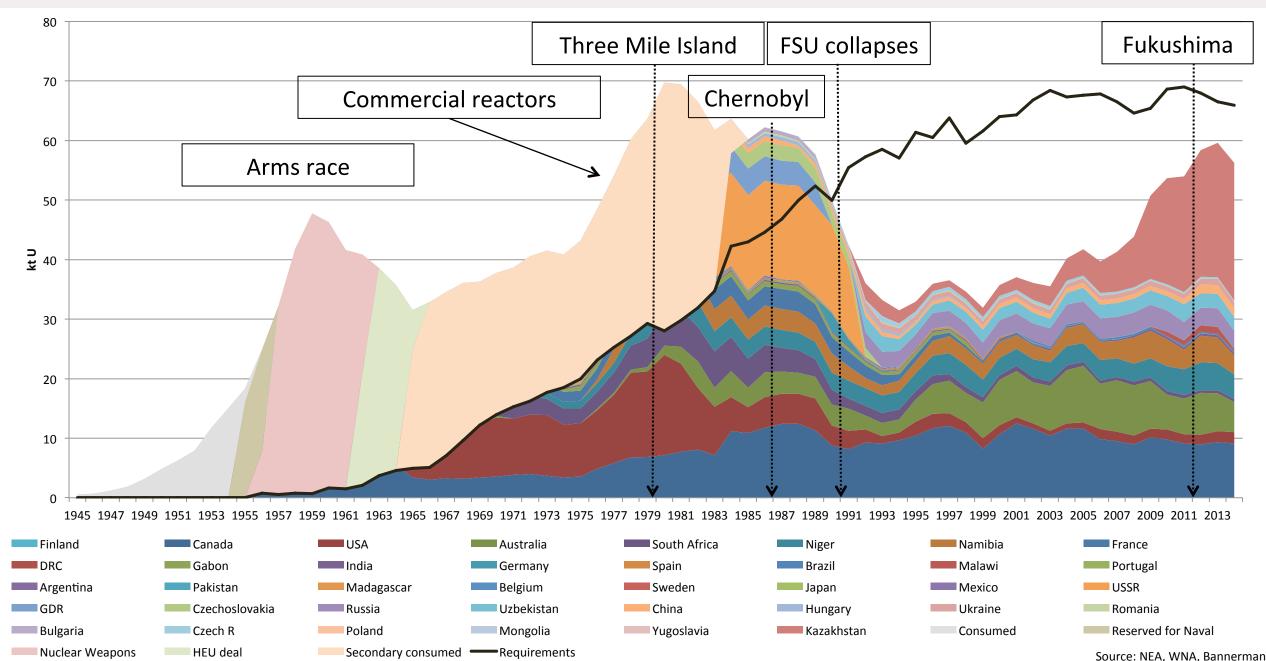
Uranium history

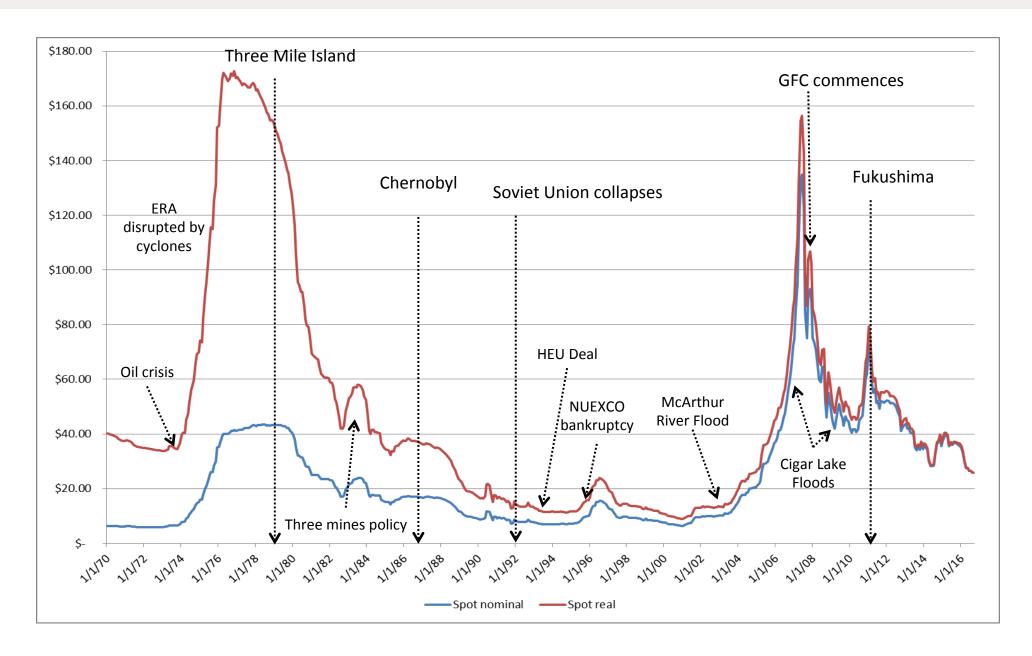




Uranium history

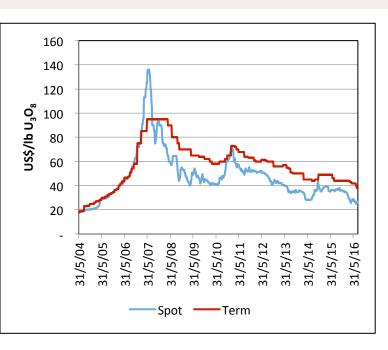


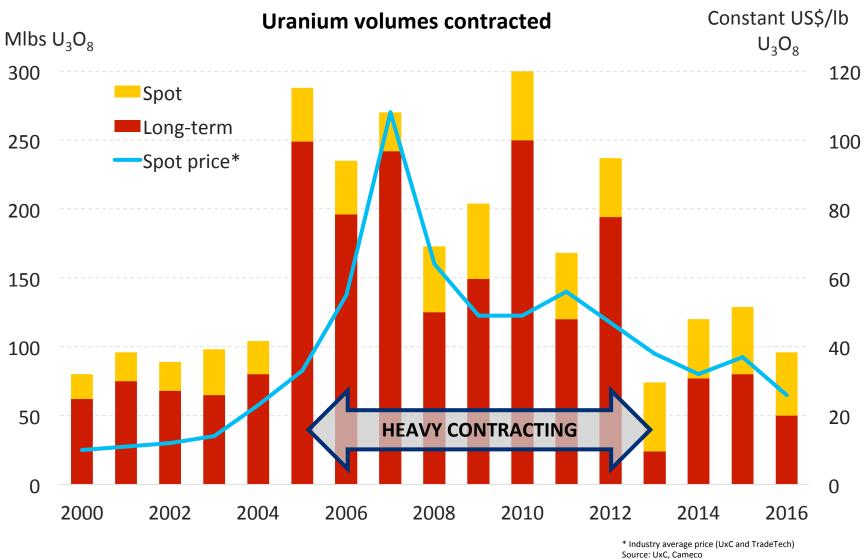




Why are spot and term prices in the doldrums?





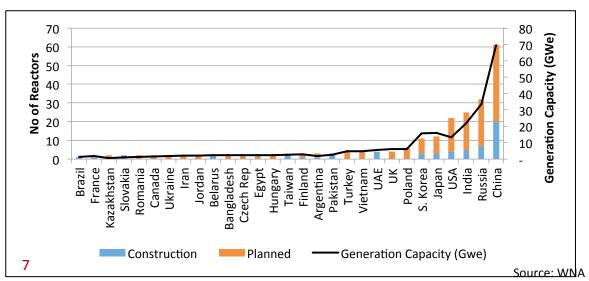


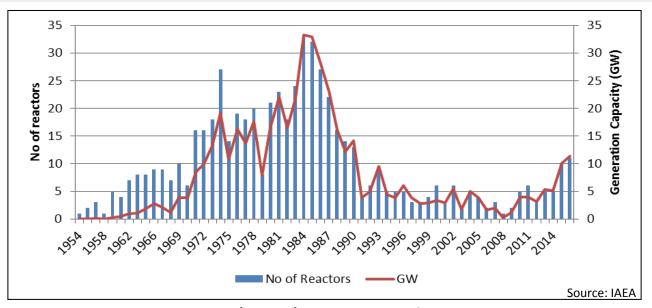
Uranium demand

Historical Grid Connections

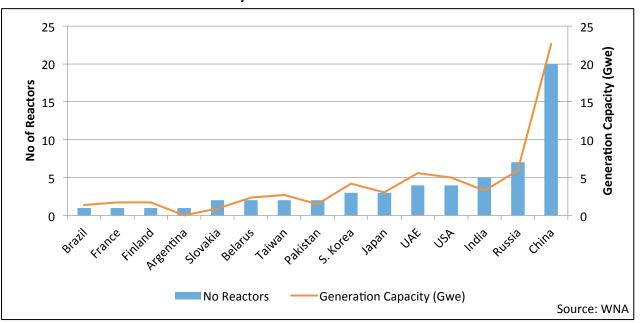
7

- Current installed capacity 392 GWe.
- Represents 11.5% of total electricity generation.
- Reactor build program rebounding post Fukushima
- 58 reactors currently under construction in 15 countries representing capacity of 62 Gwe
- A further 167 reactors planned





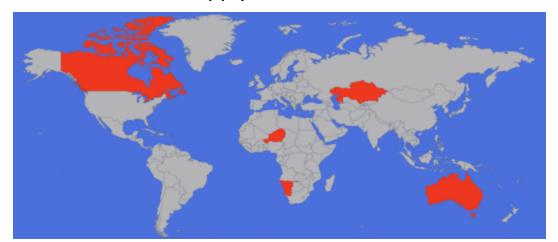
Currently under construction



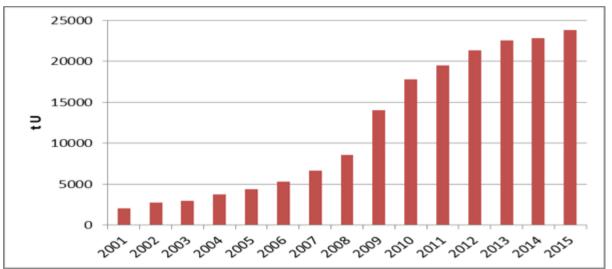
- Long running primary supply deficit
- More than two decades of reducing inventories from
 - Russian & USA HEU
 - Russian & USA LEU

80 60 50 240 1945 1947 1949 1951 1953 1955 1957 1959 1961 1963 1965 1967 1969 1971 1973 1975 1977 1979 1981 1983 1985 1987 1989 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013

Over 80% of mine supply from 5 countries



Kazakhstan increase - over tenfold

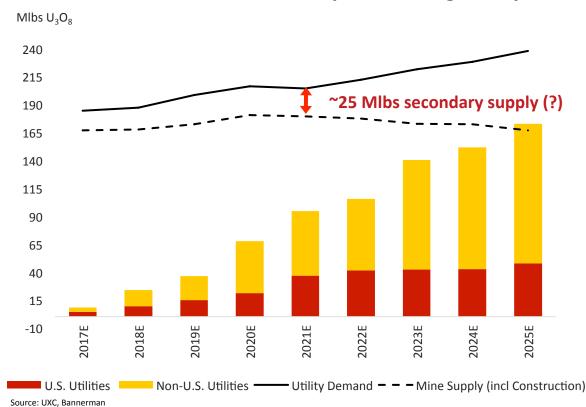


The market is set to tighten

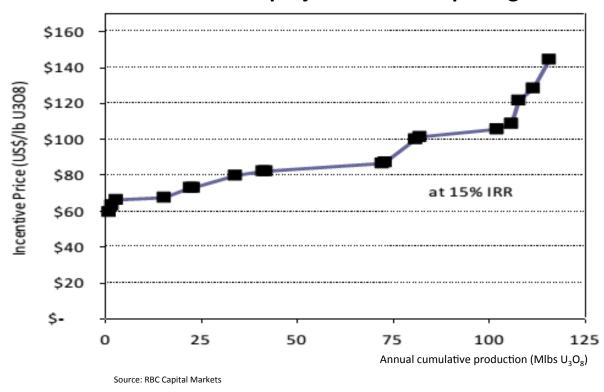


Large uncovered positions plus growing uranium demand

Future uncontracted fuel requirements globally



Global uranium projects incentive pricing curve



And mine supply unable to respond adequately at prices below ~US\$75/lb



QUESTIONS?

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