

????????16%?2024????????38%?2023????????
 ?????????OECD???38????????2????????

??

?????ABCD????????America?????Britain?????China?????Dutch????????
 ???

2????????100????????

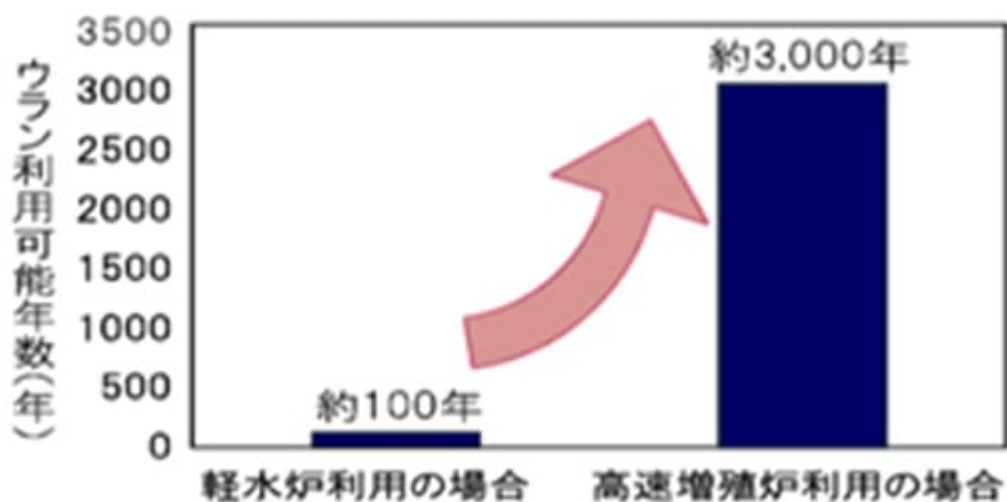
????????100????????????????????????????????????

????????50??100????????????????????????????????
 ?????????????????????????????????

????????4?6????????PFBR?50?kWe????????????

????????????

??1??
 ?????????????????????



出典: OECD/NEA Nuclear Energy Outlook 2008

?1????????

????????0.5%? ?????0.75%? ?????60%??

????????????????????????????????????

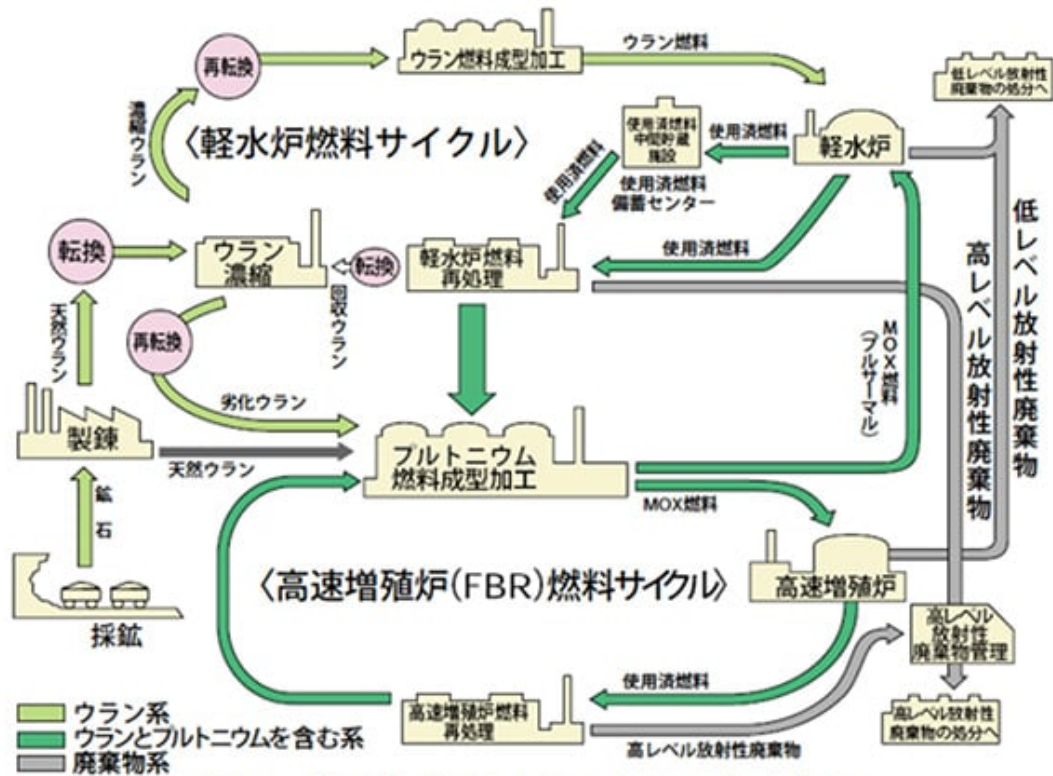


図1 原子燃料サイクル(FBRを含む)

[出典](財)日本原子力文化振興財団:「原子力・エネルギー」図面集 2007、7-5(2007年2月)、p.149、
電気事業連合会HP: <http://www.fepc-atomic.jp/library/zumen/pdf-data/all07.pdf>、5/29

????????????????

????????????????

????????????????45????????????????

????????????????????????????????1,000?200,000

ppm?0.1?20%????????????????????0.003 ppm??6????????

???—??????????

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 ?????????????????????????????????????

????????????Rapsodie????Phenix????Super Phenix????????MOX????????????????????

?? Super

Phenix?120?kWe????????SFR??1998????
 ???

???????ASTRID?60?kWe??

??—????????????

????1959????SFR????BR-5/10?BOR-60????BN-350?BN-600????2016????BN-800????
 ?????2035????BN-1200????????????????????

????????UO2????????UO2????MOX????????MOX????????????????????
 ?????????????

BN-600????????21????????12????????76%????????????????
 ?????????????

??—????????????

???21????????????2010????CEFR?2.5?kWe????????2017??2020????????
 ?CFR?60?kWe $\times$ 2????????2030????CFR?100??120?kWe?2????????

????????UO2????????MOX????????????????????

????????????Pu????????????????????

??—????????????

????????????????Rapsodie????????1985????FBTR?1.36?kWe????????
 ?????4????PFBR?50?kWe????

????????????????2????????3????
 ????

P F B R ? ? ? ? ? ? ? F B R

1&2?50?kWe????2???Pu????????MOX????????Pu????
 ???3????

? 1974????????????Pu????

4????????????????

Pu????????????????Pu??

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??GHQ??

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