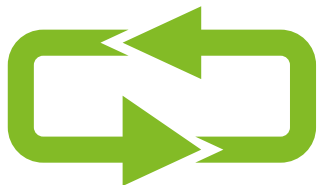


HOW WE REUSE OUR OWN WASTE



December 2020

96% of the fuel content can be reused

Uranium and plutonium are separated from spent fuel to create new fuel

Some plants reuse the uranium twice (thus generating less fissionable waste)

Metal waste is reused for the packaging of Medium Level Waste

Depleted uranium is reused for radiation shielding

CIRCULAR ECONOMY & THE NUCLEAR INDUSTRY REUSING OUR WASTE



source: IAEA, dummy spent fuel assembly

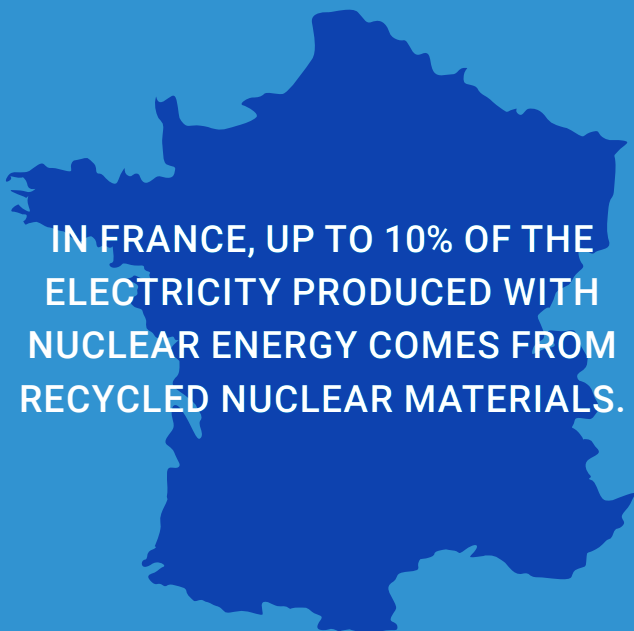
THE TREATMENT AND REUSE OF USED NUCLEAR FUEL CURRENTLY

Saves up to around 25% of natural uranium resources

Cuts final waste volumes by a factor of 5

Reduces long-term radiotoxicity by a factor of 10!

**IN FRANCE, UP TO 10% OF THE
ELECTRICITY PRODUCED WITH
NUCLEAR ENERGY COMES FROM
RECYCLED NUCLEAR MATERIALS.**



INNOVATION

Closing of the cycle



In the future it will be possible to reuse the spent fuel multiple times thanks to existing technologies (eg "GEN IV" reactors) which are being actively developed