In-Situ Leaching
Mining
unpurified U_3O_8
Milling
ore
yellowcake U_3O_8
Conversion
uranium hexafluoride UF_6
Enrichment
enriched uranium hexafluoride
Fuel Fabrication
Pu and U
fresh fuel
Reactor
Separation and Reprocessing
spent fuel uranium and fission products
In a closed fuel cycle spent fuel is recycled
Spent Fuel Pool Storage
spent fuel cooled > 5 years
recycling waste
Dry Cask Storage
Repository