

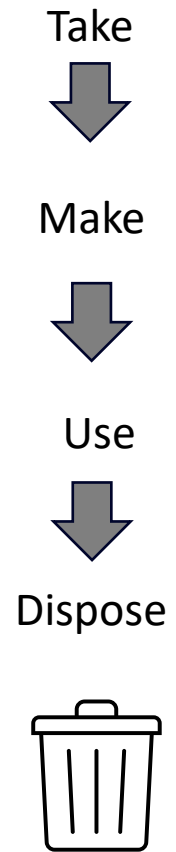
Striving towards Circularity

- in a nuclear back-end context

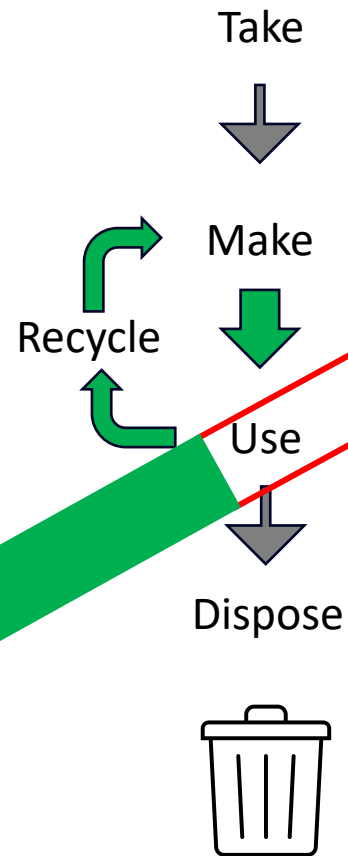
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Definitions

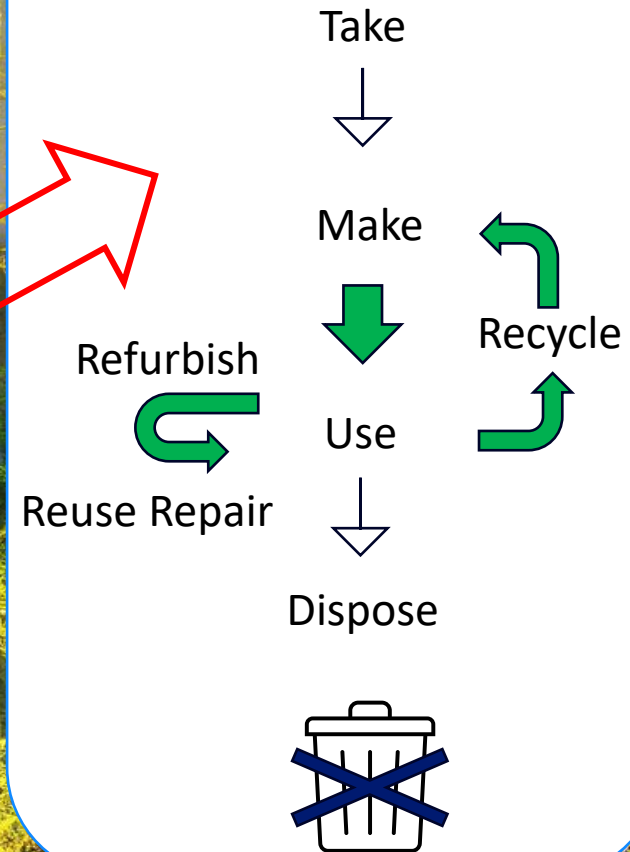
Linear Economy



Recycling Economy



Circular Economy



Good potential learnings from the nuclear industry

- Full **lifecycle** planning
- Preliminary **decommissioning plan** in place **prior to construction** – and frequently updated
- Strong **funding mechanism** for both decommissioning and waste – setting aside money from operation
- **Full responsibility** by the **operator** for the waste generated
- **Mechanisms** to **avoid orphan** waste

Further development needs, taking benefit of other sectors

- **International alignment of regulations** – good such practices exist
- Consider **waste** as a **potential resource**, rather than a waste
- Extraction of certain **substances**, in our case radioactive, and develop products taking **good benefit** of them **without causing additional risks**
(Certain good examples exist within nuclear sector, but more can be done.)
- Component **design** fully **considering dismantling** and **reuse/recycling**

Important to remember

In nature there is no waste



Waste is invented by mankind...

