

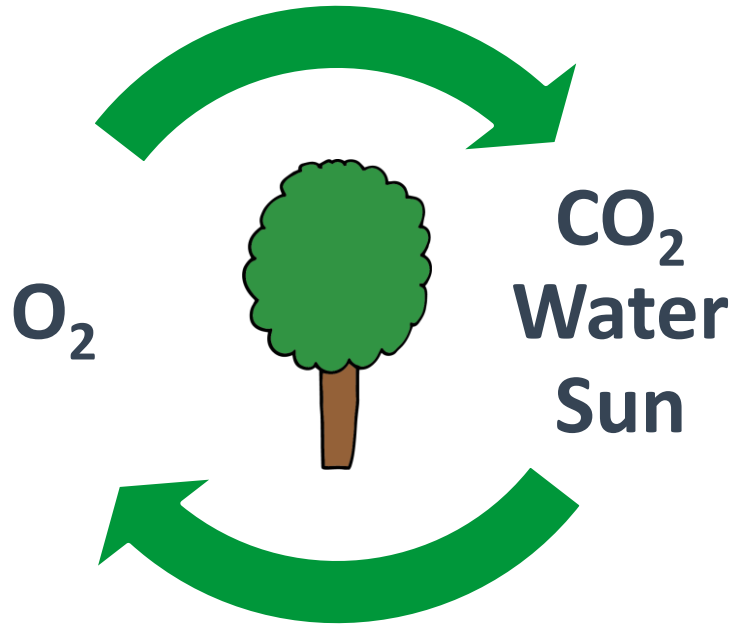
# Circular bioeconomy

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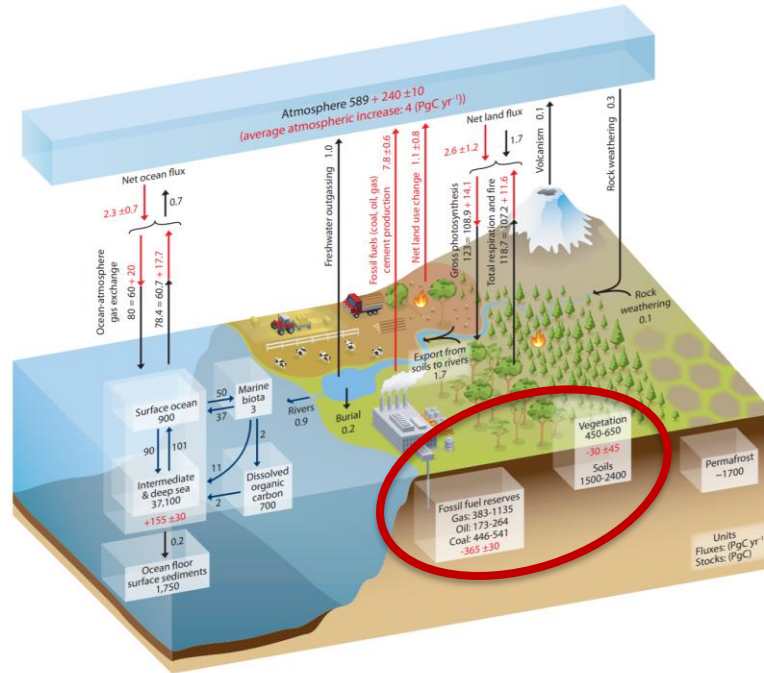
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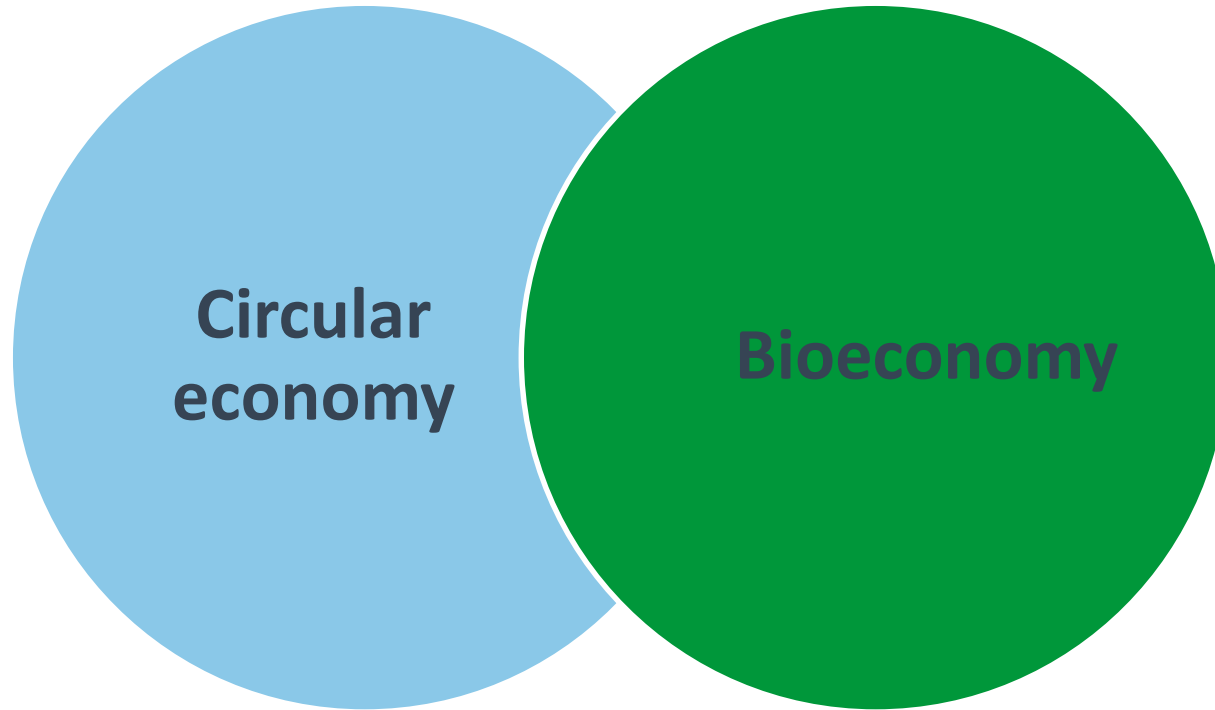
# Bioeconomy: Circular by nature



# Bioeconomy: Circular by nature



# What is a circular bioeconomy?



## Circular economy

- Reduce fossil fuels
- Waste and recycling (metals, minerals, carbon)

## Bioeconomy

- Reduce and replace fossil fuels
- Renewable carbon only

- Valorisation of side streams
- Reduce GHG footprint
- Resource effective



# Incentivise materials

Biomass

Materials

Energy

Fossil fuels



# Closing the loop

- LCA and systems thinking
- Side streams
- New value chains

