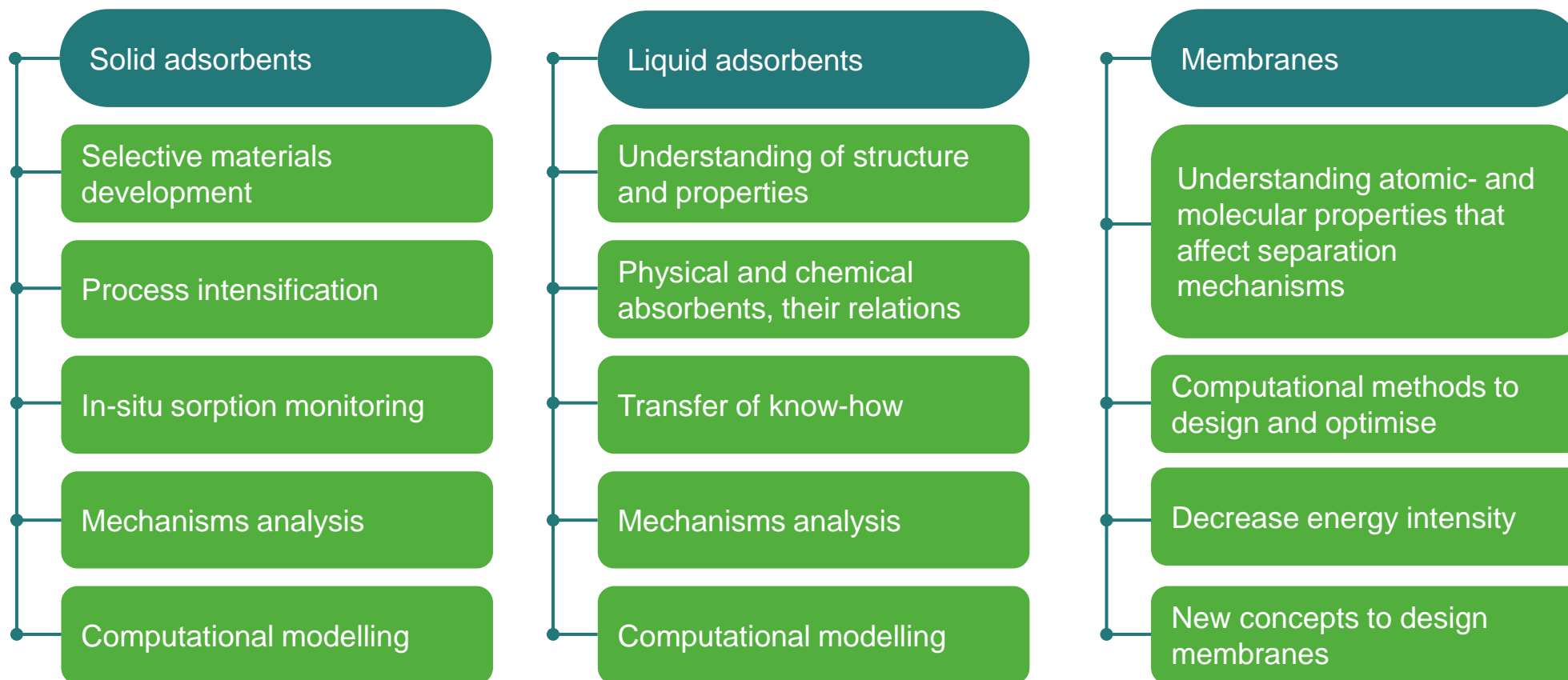
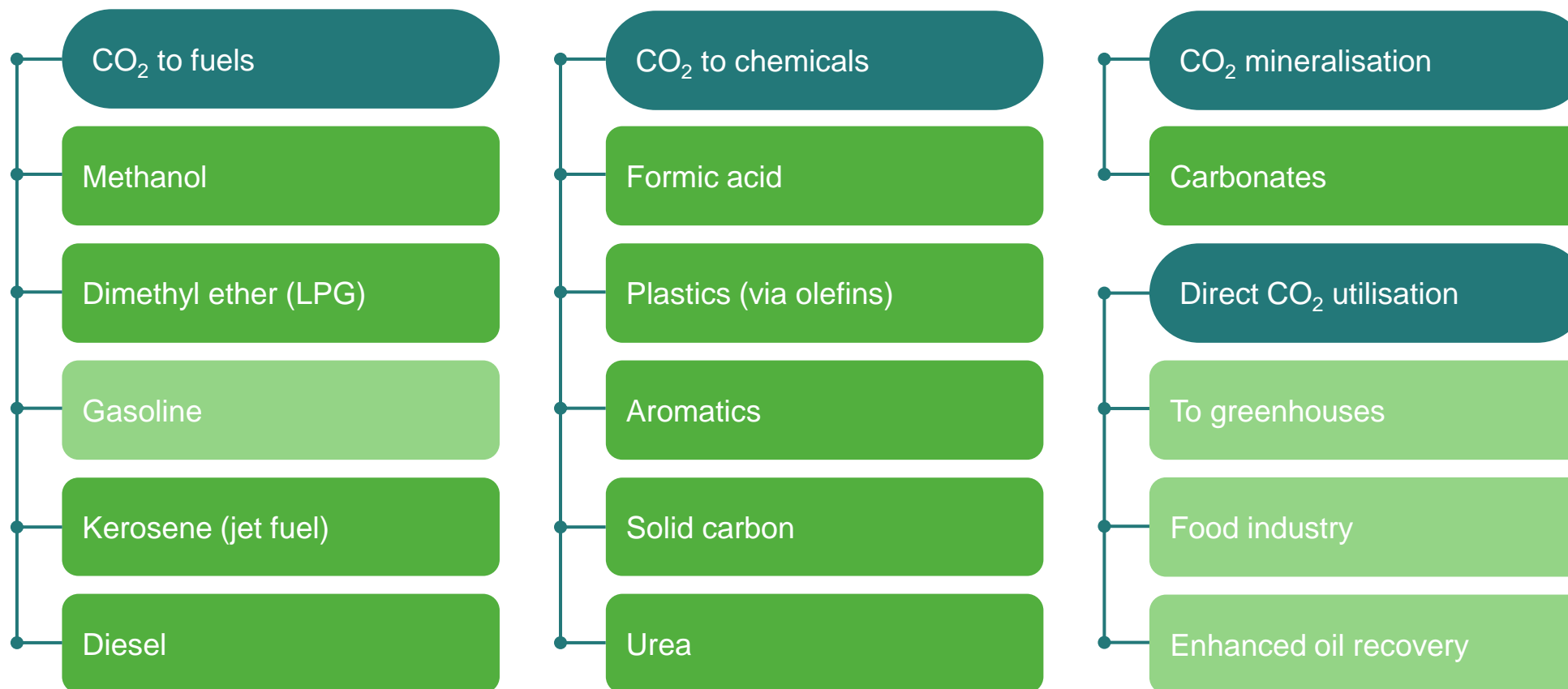


# Research priorities in CO<sub>2</sub> point-source capture



# Research priorities in CO<sub>2</sub> utilisation



# Highlights

- Avoid CO<sub>2</sub> emissions if possible by electrification, capture nonavoidable emissions
- Scale oxyfuel combustion, when not feasible – post-combustion capture
- Main sectors interested in CO<sub>2</sub> capture at the moment: iron & steel, cement, waste-to-power, petrochemistry
- Growing interest among medium scale emitters
- In long term DAC and CO<sub>2</sub> of biological origin captured from a point source can work to meet the targets
- CO<sub>2</sub>-to-methanol is the best case in CO<sub>2</sub> merit order (gasification of biomass scores the highest)
- CO<sub>2</sub>-to-kerosene from residual steel gases is the worst case in CO<sub>2</sub> merit order
- ECCSEL has over 30 testing facilities from lab scale to pilot scale dedicated for CO<sub>2</sub> capture and utilisation

