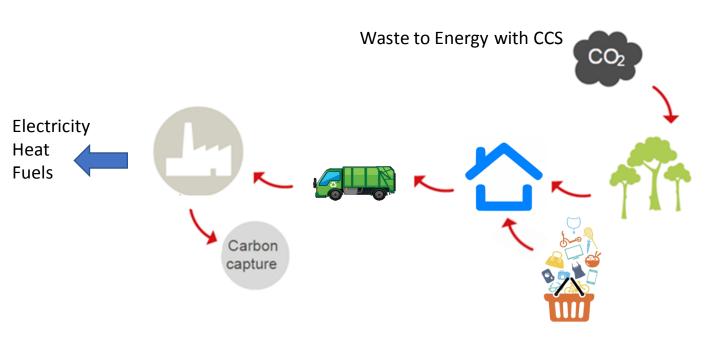
Negative Emissions in the Waste to Energy Sector: Technologies for CCUS



Quantify the atmospheric CO₂ reduction potential

- Assess the European market for WtE+CCUS
- New methodology to quantify negative emissions

Oxyfuel - 3 ways

- Circulating fluidized bed combustion
- Bridge knowledge gap on waste combustion for grate-fired boilers
- Membranes for oxy-combustion of grate-fired boilers

Solvents: 3 solvents, 3 facilities, 3 scales

- Waste wood 1tCO2/day scale 30%wt MEA
- Waste wood 1tCO2/day scale CCSL proprietary solvent
- Municipal Solid Waste 10tCO2/day scale CCSL proprietary solvent
- Synthetic flue gas Bench scale 3rd generation solvent











