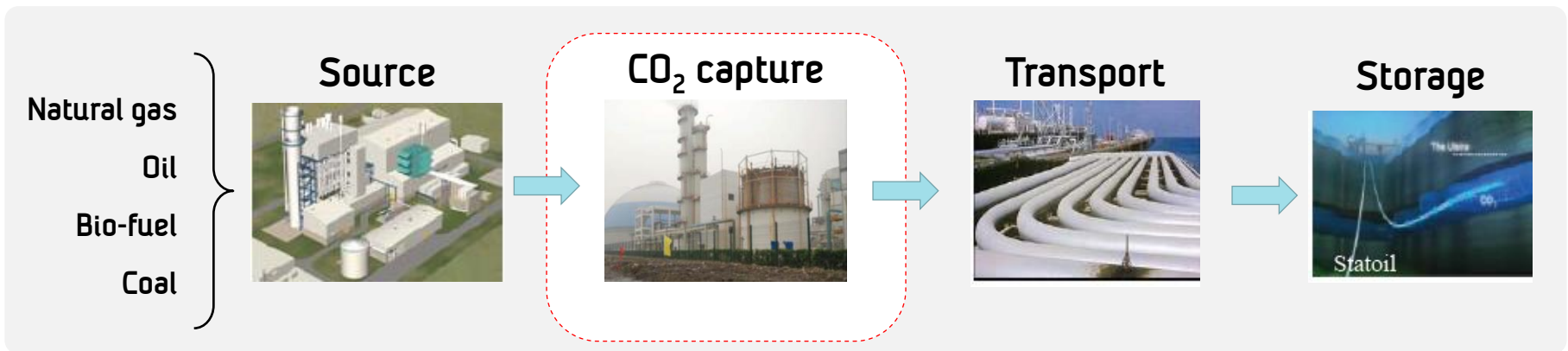


HiPerCap - High Performance Capture

FP7 Grant agreement n° 608555

Panel discussions

Melbourne, Australia 25-26 March 2015



1. Prospects for absorption/adsorption technologies

- What is the best way of up-scaling absorption and adsorption based technologies?
- What are the major challenges for both absorption and adsorption?
- Any challenges related to emission of harmful amines and other unwanted components?
- Do the absorption and adsorption technologies have any advantages regarding operational flexibility?
- Differences and similarities between Europe and Australia and what can we learn from each other?
- Are the absorption based technologies completely developed?
- How much can you expect to reduce the heat requirement?
- Is CO₂ purity an issue for all technologies addressed?

2. Industrial applications of membranes and methodologies for technology evaluations

Membranes

- What is the best way of up-scaling membrane based technologies and can they really offer an improvement in plant footprint compared to amine scrubbing?
- What indication do we currently have that membranes can offer improved energy performance in comparison to amine scrubbing?
- What are the major challenges for membrane based capture technologies?
- Membranes in Europe vs. Australia

Technology Benchmarking

- How do we account for operability and flexibility?
- Is CO₂ purity an issue for all technologies addressed (absorption/adsorption/membranes)
- Are there any added environmental benefits of the new technologies addressed in HiPerCap?
- Do any of the considered technologies provide reduction in CAPEX?