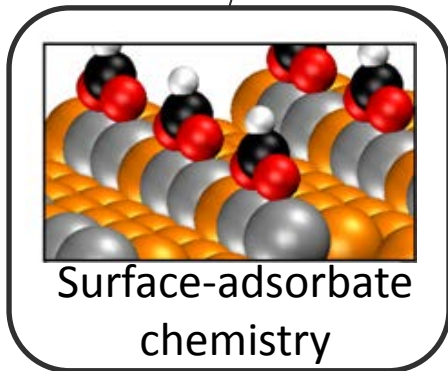
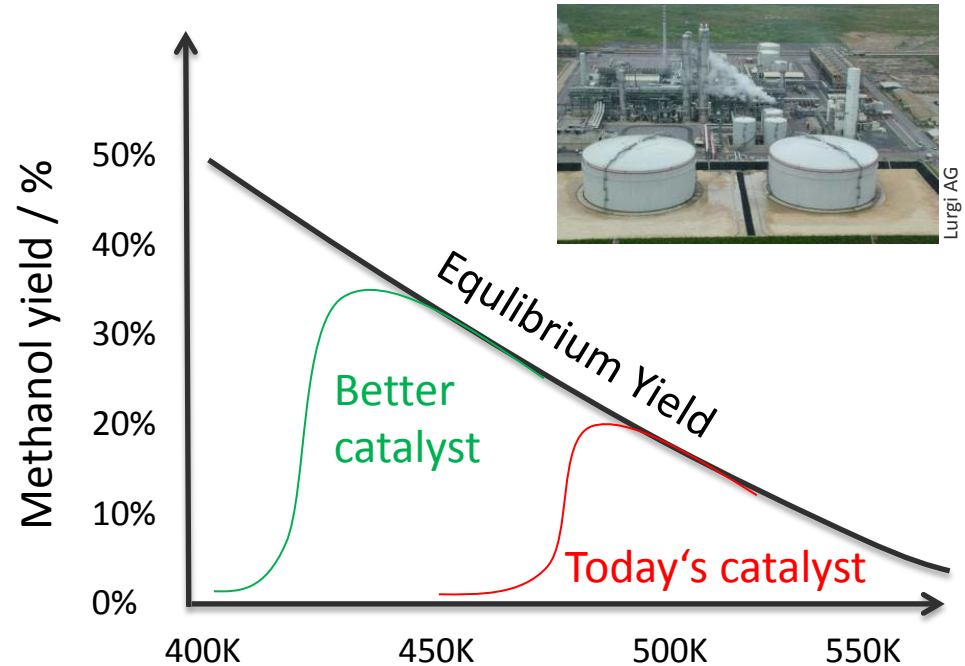
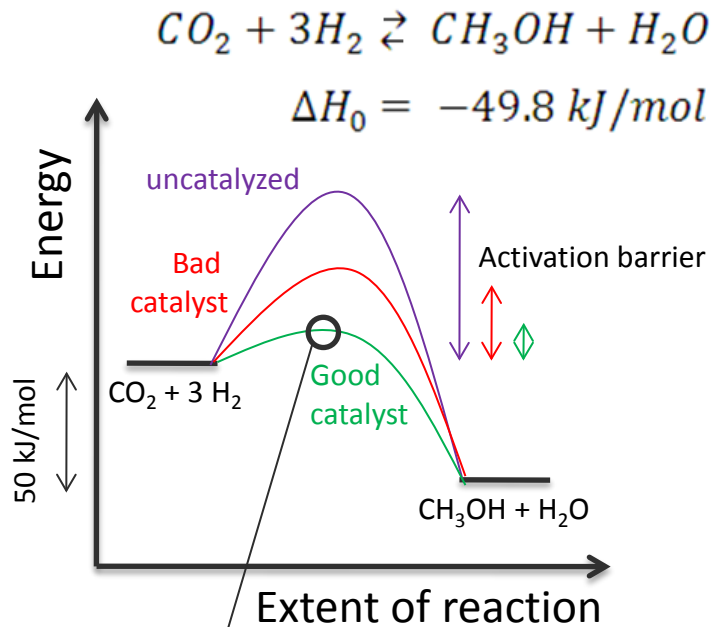


# Chemical energy storage: Catalysis as a key technology

## CO<sub>2</sub>-to-MeOH as an example



### Frontiers in (catalytic) chemical energy storage:

- Catalyst development/optimization by design
- Process engineering for non-steady state performance
- Going from large scale (chemical industry) to even larger scales (energy sector)
- Reactor engineering for decentralized applications