Breakout Session 2 – Finding optimal processes

Power plant + CCS model

- Power Plant
- Capture
- Compression
- Model Validation
- Capital, fixed O&M, marginal costs

Dynamics, physical limitations

- Capture Process
- Compression
- Transport, Storage

Grid economics

- Electricity Prices
- Plant Dispatch

Optimization

- Design Variables
- Operational Variables
- **NPV Optimization**
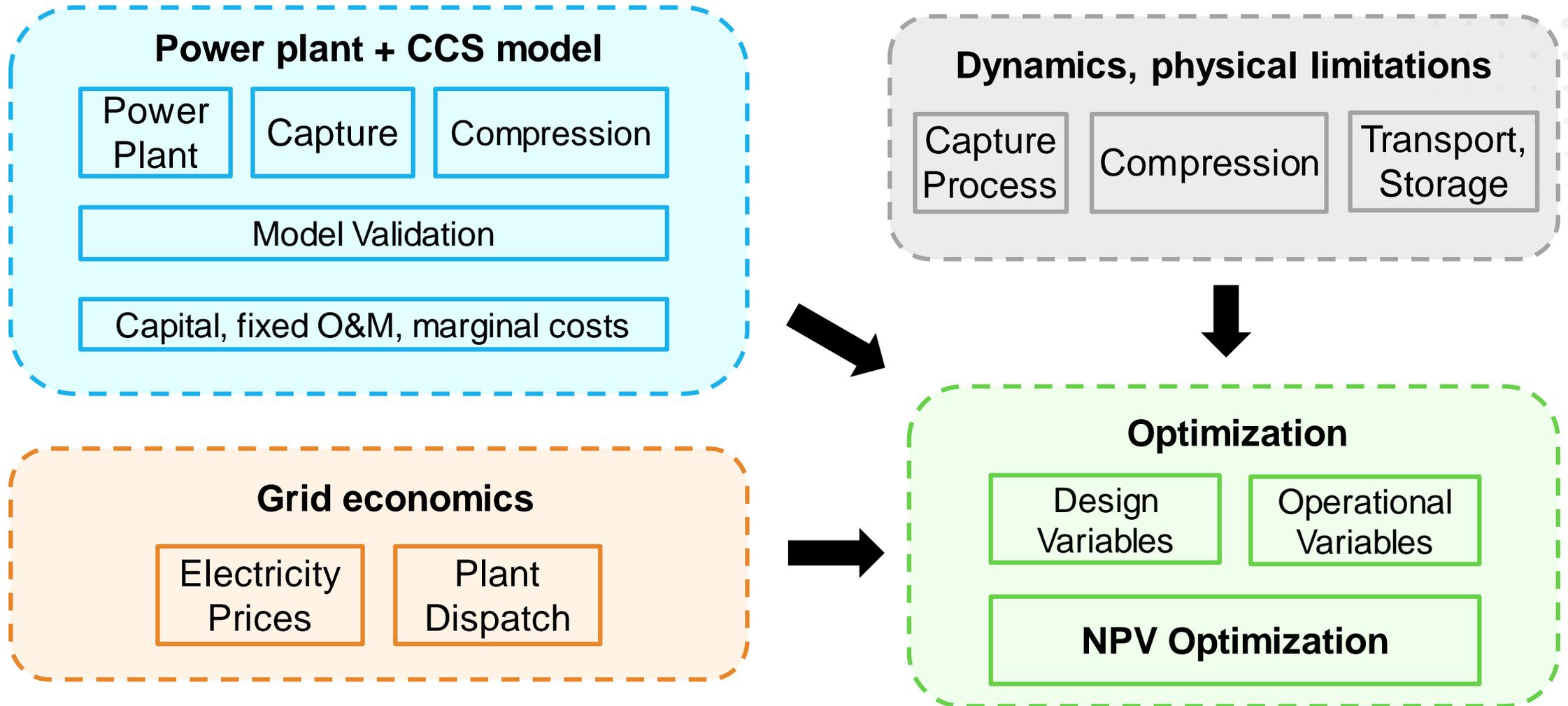
Breakout Session 2 - Questions

‣ How to balance breadth (lots of parameters being optimized) and depth (sufficiently detailed solutions that actually have meaning)?

‣ What is the optimal amount of LMP data to specify in a potential FOA?

‣ How will information be passed between the different models?

‣ How can we compare monoethanolamine (MEA) to less mature capture technologies, including dynamic model validation?

‣ What could a team accomplish with $1M of Federal funding and 18-24 months?