

# 1<sup>st</sup> simulation

(a)

**Dynamics**  
 $u, v, w, p$



*Set 1*

**Thermodynamics**  
 $\Theta, q_v, q_c, q_r, \dots$

Set 1 as driver

*Set 2*

**Thermodynamics**  
 $\Theta, q_v, q_c, q_r, \dots$

Set 2 as piggybacker

# 2<sup>nd</sup> simulation

(b)

**Dynamics**  
 $u, v, w, p$



*Set 1*

**Thermodynamics**  
 $\Theta, q_v, q_c, q_r, \dots$

Set 1 as piggybacker

*Set 2*

**Thermodynamics**  
 $\Theta, q_v, q_c, q_r, \dots$

Set 2 as driver