

Breakout 3 - Scaling

Priorities for this discussion

- ▶ Potential program targets
 - Avoidance
 - Biomass-based removal
 - Soil-based removal

- ▶ Tech-to-Market
 - Price targets
 - Potential carbon payments and other financial incentives
 - Path(s) to market

Emissions Avoidance Target:

- ▶ How should our baseline be established? e.g., SOA inhibitors, precision ag?
- ▶ What is specifically *not* of interest? e.g., too incremental, already being pursued by private sector
- ▶ Should we constrain the number of solutions that get stacked to achieve this target?
- ▶ Are there specific land types we should emphasize for this target? e.g., row crops?

Emissions Avoidance Target:

- ▶ What is the best way to set a price target?
 - \$/ha/yr
 - % premium over SOA inhibitors
 - ROI, payback period
 - Other?
- ▶ What needs to be achieved on the MRV front for this to be viable in the market?
- ▶ What could we reasonably expect to achieve in a 3-5 yr project period?
 - What would a compelling demonstration look like?
 - What would need to happen after that period in order to commercialize?

Biomass Removal Target

- ▶ What is our baseline? e.g., SOA inhibitors, precision ag?
- ▶ Are exclusive pathways – i.e., crops grown and processed for the sole purpose of carbon removal – the only pathways able to achieve this target?
- ▶ What is specifically *not* of interest? e.g., too incremental, already being pursued by private sector
- ▶ How should we constrain the number of solutions that get stacked to achieve this target?

Biomass Removal Target

- ▶ Are there specific land types we should emphasize for this target?
- ▶ What is the best way to set a price target (e.g., \$/dry ton)?
- ▶ What can we assume in the way of financial incentives for adoption?
- ▶ What needs to be achieved on the MRV front for this to be viable in the market?
- ▶ What could we reasonably expect to achieve in a 3-5 yr project period?
 - What would a compelling demonstration look like?
 - What would need to happen after that period in order to commercialize?

Soil Removal Target:

- ▶ Are there specific land types we should emphasize for this target?
- ▶ What is the best way to set a price target (e.g., \$/ha/yr)? What can we assume in the way of financial incentives for adoption?
- ▶ What needs to be achieved on the MRV front for this to be viable in the market?
- ▶ What could we reasonably expect to achieve in a 3-5 yr project period?
 - What would a compelling demonstration look like?
 - What would need to happen after that period in order to commercialize?

Soil Removal Target:

- ▶ What is our baseline? e.g., best case SOC rate?
- ▶ What is specifically *not* of interest? e.g., too incremental, already being pursued by private sector
- ▶ Is 50 yrs durability achievable technically? Is it attractive enough from a market perspective?
- ▶ How can we ensure resilience of proposed pathways to reversals? Are there certain species of carbon that we should prioritize?