

Direct Air Capture and the Role of Carbon Capture in Meeting Regional Carbon Neutrality Goals

Workshop Information:

Date: January 19, 2022

Time: 8:00 am – 1:00 pm MT

Registration: [Click here to register](#)

Hosted by Arizona State University, the National Energy Technology Laboratory, and Los Alamos National Laboratory

The Intermountain West Energy Sustainability & Transitions (I-WEST) project is focused on delivering a regionally relevant technology roadmap to transition six U.S. intermountain west states to a carbon-neutral energy economy. I-WEST encompasses Arizona, Colorado, Montana, New Mexico, Utah, and Wyoming. The project is taking a place-based approach, which prioritizes the geographical attributes, economic landscape, and societal readiness of the region. Learn more online at www.iwest.org.

Why join this workshop?

Direct Air Capture (DAC) will likely be an important component of the Intermountain West's portfolio of technologies needed for energy transition and will likely present regional economic opportunities. This workshop will provide perspectives from DAC fabricators and solicit input from potential users on issues related to deployment, employment, and usage of captured carbon dioxide (CO₂) in the region. The primary goal of this workshop is to discuss technology pathways that will evolve over the next 5, 10, and 15 years, which will then directly feed the technology roadmap being developed by I-WEST. The workshop will discuss:

- What is DAC and how does it work?
- Potential utilization of captured CO₂
- Certification of capture and storage
- Industries that may apply DAC to meet CO₂ reduction goals
- Role of DAC in the creation of new workforce
- Economics of DAC

In addition to informing the I-WEST technology roadmap, this workshop is intended to expand knowledge of carbon capture in the I-WEST region. The workshop will serve as an opportunity to build partnerships and regional coalitions for facilitating energy transition.

Informative and Interactive

The format of this workshop will be a combination of 1) technical perspectives on CO₂ capture by current or emerging international leaders and 2) facilitated discussions in which participants can ask questions pertaining to technology readiness, infrastructure, policy, and societal readiness.

DAC Technical Workshop

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WebEx link to be emailed

8:00	Introduction, COP 26 & Direct Air Capture	Peter Schlosser Arizona State University
8:15	Welcome	Matt Green Arizona State University
8:30	Why DAC & I-WEST	Jolante Van Wijk Los Alamos National Laboratory
8:45	Q&A on DAC <ul style="list-style-type: none">• Will DAC Work? When?• How much volume?	Jolante Van Wijk Klaus Lackner Arizona State University
9:30	What happens after DAC? <i>Focused on uses of captured CO₂</i> <ul style="list-style-type: none">• Panel participants: Eric Dahlgren (Aircela), Derek Vikara (NETL), Raghbir Gupta (Susteon), Gary Nicholas (SanTan Brewing Company)	Stephanie Arcusa Arizona State University
10:15	Break	
10:30	Will Industry use DAC? <i>Select panel of companies who will or are considering application of DAC technology</i> <ul style="list-style-type: none">• Panel Participants: Julius Kusuma (Meta), Alex Dewar (Boston Consulting), Joanna Klitzke (Stripe), Chris Otte (CIBC)	Bill Brandt Arizona State University
11:15	Workforce and DAC <i>Jobs that DAC and the new energy transition will create</i> <ul style="list-style-type: none">• Panel Participants: Tony Skrelunas (Tribe-Awaken), Chris Deschene (National Inter-Tribal Energy Council), Algert Prifti (B&V)	Jacob Moore Arizona State University
12:00	Economics	Michael Hanemann University of California Berkeley
12:15	Policy: Next 15 years	Peter Minor Carbon180
12:30	Thank you and Close	Matt Green