



José Benitez

## Deep Decarbonization and Energy Markets Modeling at the DOE Office Fossil Energy and Carbon Management

### Seminar Information

**Date:** December 20, 2021

**Time:** 1:00 pm – 2:00 pm MT

### Meeting will be held via WebEx.

A no-cost registration is required to attend. Please [click here to register](#).

Contact [iwest@lanl.gov](mailto:iwest@lanl.gov) for assistance.

The I-WEST seminar series hosts thought leaders on a spectrum of topics tied to transitioning the Intermountain West to carbon neutrality, including technologies, policy, workforce, and environmental justice.

### Seminar Summary

This presentation will go over efforts at DOE's Office of Fossil Energy and Carbon Management (FECM) to integrate deep decarbonization capabilities into Integrated Assessment Models (IAMs). FECM has been working with external entities to enhance models like the Global Climate Assessment Model (GCAM) and the National Energy Modeling System (NEMS) with components necessary to evaluate potential deep decarbonization paths. These enhancements include integration of Direct Air Capture (DAC) and Hydrogen potential future technologies

### Speaker Summary

José Benitez is the Director for the Systems, Economic and Environmental Analysis Division within the Office of Clean Coal and Carbon Management. He specializes in developing new concepts and models to study the behavior of energy markets and the impacts of energy policy. His career has included the development of policy, analysis, and project management in the areas spanning fossil, renewable, and energy efficiency technologies. He has also built from the ground-up several analysis platforms for the representation of energy markets. Mr. Benítez has a Bachelor of Science in Mechanical Engineering from Rensselaer Polytechnic Institute and Juris Doctor, with a concentration on Energy and Environmental Law, from Duquesne University. He is a licensed Attorney and Professional Engineer.