

## UC Berkeley Carbon Dioxide Utilization Workshop February 17-18, 2011 - Program Summary

---

### February 17, 2011

6:00 – 9:00 Informal reception – Seaborg Room, UC Berkeley Faculty Club

### February 18, 2011

8:30 – 9:00 Arrive / register – Haas School of Business, Room S-480

9:00 – 10:30 Opening Plenary Panel: What is the state of the art in carbon utilization for climate change mitigation?

Graciela Chichilnisky, Columbia University  
Sridhar Narasi, DNV  
Warren Hogarth, Sequoia Capital  
Berend Smit, Lawrence Berkeley National Laboratory  
Andrew Isaacs, UC Berkeley (facilitator)

10:30 – 10:45 Break

10:45 – 12:15 Technology Narratives (Examples of some technology development initiatives)

CO2 conversion to biofuels – Matt Atwood, Algae Systems  
CO2 insertion into polymers – Jim Mahoney, Novomer  
CO2 conversion to cement – Brent Constanz, Calera  
CO2 conversion to formic acid/electrochemical – Gabrielle Centi, U. of Messina

12:15 – 1:45 Lunch / Discussion with Paul Alivisatos, Lawrence Berkeley National Laboratory

1:45 – 2:00 Break

2:00 – 3:30 Break-out sessions: Technology Challenges

Thermochemical frontiers (Gabrielle, Centi, U. of Messina, facilitator)  
Biochemical frontiers (Matt Atwood, Algae Systems, facilitator)  
Geochemical frontiers (Curt Oldenburg, Lawrence Berkeley National Laboratory, facilitator)  
Electrochemical frontiers (Sridhar Narasi, DNV)

3:30 – 3:45 Break

3:45 – 5:15 Break-out sessions: Business Challenges

Policy frontiers (Graciela Chichilnisky, Columbia University, facilitator)  
Investment frontiers (Will Coleman, Mohr Davidow Ventures, facilitator)  
Infrastructure frontiers (Alessandra Quadrelli, University of Lyon, facilitator)  
Energy Industry frontiers (Kjell Eriksson, DNV, facilitator)

5:15 – 5:30 Break

5:30 – 6:30 Concluding Plenary Discussion and reception: Take away lessons and next steps in carbon utilization  
Sridhar Narasi, DNV and Andrew Isaacs, UC Berkeley (facilitators)

6:30 – 8:30 Dinner and discussion  
Poster session held during dinner