

## Agenda for CEDM 2011 Annual Meeting

<http://www.cedm.epp.cmu.edu/>

### Singleton Room, Roberts Engineering Hall

#### Monday, May 16: Day 1

08:30 – 09:00 Continental breakfast

09:00 – 09:20 Introductions

09:20 – 09:30 Outline and objectives for the meeting (Granger Morgan)

**NOTE: in each presentation or poster please include a listing of the present or potential decision makers with who this work will interact and any needed theory/methods developments.**

09:30 – 11:00 **Climate change mitigation** (Presentations should be 10 minutes each, followed by 5 minutes of discussion)

*Public choice in the mix of electric power generation* – Lauren Fleishman

*Update on work from the PEPCO project* - Baruch Fischhoff/Wandi Bruine de Bruin

*Recent CEDM work in energy efficiency* – Inês Azevedo

*Recent CEDM work on the transportation sector* – Costa Samaras

*Update on work in renewable energy and storage (CEDM/CEIC/RenewElec)* – Jay Apt

*Helping PUCs analyze options to reduce GHG regulatory risk in coal dependent states* – Dalia Patiño-Echeverri

11:00 – 11:15 Coffee break

11:15 – 11:45 **Poster session 1 on climate change mitigation** (*The poster session will start with a 2 minute presentation by each poster presenter. Then we'll break and individually do Q&A and discussion around the set of posters*)

*Thermal energy storage and concentrated solar power* – Sharon Wagner

*Marginal, incremental and average GHG emissions from the electricity sector* – Kyle Siler-Evans

*Small modular nuclear reactor technologies* – Ahmed Abdulla

*Emotionally self-referent CCS messages: Development and evaluation of a citizen-guided approach for engaging with energy veteran publics* – Gabrielle Wong-Parodi (poster presented by Hadi Dowlatabadi)

*Impacts of feed-in tariffs in wind adoption in EU countries* – Ivonne Pena

*Water use for carbon capture at power plants* - Haibo Zhai

*Implications of carbon capture and storage for air quality* – Jinhyok Heo

11:45 – 12:15 **Poster session 2 on climate change mitigation** (*The poster session will start with a 2-minute presentation by each poster presenter. Then we'll break and individually do Q&A and discussion around the set of posters*)

*Integrating dispatchable CCS with wind power generation* – Dalia Patiño-Echeverri

*LCA for Biofuels* – Kim Mullins

*Energy efficiency in U.S. cities and carbon footprints* – Michael Blackhurst

*Economy-wide rebound effects from energy efficiency investments* – Brinda Thomas

*Discrete choice models to understand choices for energy efficient technologies* – Jihoon Min

*Impact of Federal incentives in hybrid vehicle adoption* – Alan Jenn

*Techno-economic analysis of lithium-ion batteries* – Jay Whitacre

*Public opinion and awareness survey of Solar Radiation Management in Canada, US and UK* – Ashley Mercer

12:15 Pick up lunch

12:25 – 13:00 **Round-table on climate change mitigation to address the following issues:**

- Are we working on the right mix of things? Are there other things we should be doing?
- Have we identified the right decision makers?
- Who needs what in terms of new theory and methods?
- Opportunities to leverage support

**13:00 – 14:00 Climate change impacts** (Presentations should be 10 minutes each, followed by a short discussion)

*Impacts from ocean acidification and warming* – Scott Doney

*Participatory processes in coastal management* – Mitch Small

*How well can we warn people 5-12 days before the big hurricane hits?* – Iris Grossmann

*Climate Change and Adaptation: Impacts on Insurance Pricing and Coverage*- Howard Kunreuther and Erwann Michel-Kerjan

*Results from the research work on Salmon vulnerability and cultural impacts of declining salmon on the Fraser River in British Columbia* – Tim McDaniels

14:00 – 14:25 **Poster session on climate change impacts** (*The poster session will start with a 2 minute presentation by each poster presenter. Then we'll break and individually do Q&A and discussion around the set of posters*)

*Sulfate aerosol effects on the South Asian monsoon* – Ashwin Kumar

*Influence of GHG timing on energy and climate policies - case study on biofuels* – Stefan Schwietzke and Mike Griffin

*Cost and GHG Emissions from Biomass Coal Co-firing in Malaysia: Optimization Decisions Under Uncertainty* – Mohd Nor Azman Hassan

*Water consumption for hydraulic fracturing in the Marcellus Shale* – Austin Mitchell

14:25 – 15:00 **Round-table discussion on climate change impacts:**

- Are we working on the right mix of things?
- Have we identified the right decision makers?
- Who needs what in terms of new theory and methods?
- Opportunities to leverage support

15:00 Coffee

15:10-15:30: Group planning discussion part 1: What should we be presenting at the CEDM advisory board on June 13?

15:30 **Parallel sessions**

**PIs**

Move to 129 Baker Hall and work on materials for CEDM annual report and CDMC final report.

A few people will have to step out briefly to put in an appearance at the awarding of a development chair to Jay Whitacre

**Graduate Students**

Graduate student workshop led by Brinda Thomas, Carey Rosser and Kelly Klima. Singleton Room.

7pm: Dinner – *Girasole, 733 Copeland St., Pittsburgh PA 15232 (Shadyside) (tel: 412-682-2130)*

**Tuesday, May 17: Day 2**

08:00 – 08:30 Continental breakfast

**8:30 – 09:05 Climate change mitigation and adaptation linkages / climate adaptation**

(Presentations should be 10 minutes each, followed by 5 minutes of discussion)

*Heat waves* – Hadi Dowlatabadi

*Tropical cyclone modification: decision analysis and public perceptions* – Kelly Klima

**9:05 – 09:50 Climate change adaptation round-table discussion:**

- Are we working on the right mix of things? What else should we be working on?
- Have we identified the right decision makers?
- Who needs what in terms of new theory and methods?
- Opportunities to leverage support

**09:50 – 10:35 Carbon dioxide removal (CDR) and geoengineering** (Presentations should be 10 minutes each, followed by 5 minutes of discussion)

*Global governance of SRM* - Granger Morgan

*Modeling SRM with HadCM3* – Kate Ricke

*Research on geoengineering: recent results and a research agenda* – Klaus Keller

10:35am – 11:00am Coffee Break

**11:00 – 11:45 Round Table discussion on our work on carbon dioxide removal (CDR) and geoengineering**

- Are there other things we should be doing?
- Have we identified the right decision makers?
- What are the need in terms of new theory and methods?
- Opportunities to leverage support

**11:45 – 12:45 Decision tools: for what and for whom?** (Presentations should be 10 minutes each, followed by 5 minutes of discussion)

*Recent book on decision analysis with stakeholders* – Tim McDaniels

*Legal Systems as Complex Systems for Decision-making* – Michael Dworkin

*Agent based models in the context of climate change decision-making* – Rob Axtell

*Using decision support tools to understand life-cycle costs of the U.S transportation fleet*– Paul Fischbeck

12:45 Pick up lunch before discussion

12:55 – 13:30 **Round Table discussion existing and planned decision tools**

- Have we identified the right decision makers?
- Are there other things we should be doing?
- What are the need in terms of new theory and methods?
- Opportunities to leverage support

13:30 - 14:00 **T&M Workshops** (5 minute talk followed by 5 minute discussion)

*Update on plans for Rebound effects workshop (5 minutes) – Inês Azevedo*

*Update on plans for elicitation methods workshop (5 minutes) – Umit*

*Possibilities related to IP for SRM; time preference (5 minutes) – Granger Morgan*

General discussion

14:00-15:00: Group discussion part 2: What should we be presenting at the CEDM advisory board on June 13?

15:00 – 15:45 **Management updates and future plans**

*How to improve outreach? Ongoing plans and discussion on how to improve outreach*

1. Summary of ongoing efforts (Videos for CEDM graduate students, participation in science fairs, meetings attended by PIs) – Inês Azevedo
2. CEDM grad student workshop – Brinda Thomas
3. SUCCEED Summer school - Kelly Klima
4. Roundtable discussion on other things that we should be doing.

*How do improve collaborations and communication across the center?*

Ongoing mechanisms and brainstorm what else could be done.

*How to improve communication and contacts with decision-makers?*

Ongoing efforts and brainstorm what else could be done in 2011/2012.

*How to start planning leveraging CEDM funding with other funding sources?*

Ongoing efforts and brainstorm what else could be done in 2011/2012.

15:45 – 16:00 **Wrap up**