

Paul Belanger

Subject: REMINDER: EEE Forum Monday afternoon, February 15th, on Geoengineering and Carbon Pricing: Two Responses to Climate Change
Attachments: 2015.02.16 SRM con USToday.jpeg; 2015.02.16 SRM pro USToday.jpeg; 2015.03.09 Notes for carbon tax vs. cap & trade.docx

From: David Carlson [mailto:davidcarlson824@gmail.com]

Sent: Tuesday, February 9, 2016 4:01 PM

Subject: REMINDER: EEE Forum Monday afternoon, February 15th, on Geoengineering and Carbon Pricing: Two Responses to Climate Change

Dear Friends of the Ethics and Ecological Economics Forum,

The theme of the February 15th EEE Forum is **Geoengineering and Carbon Pricing: Two Responses to Climate Change**. We will meet at the Iliff School of Theology at 2323 E. Iliff Avenue in the open meeting space in the recently-renovated library.

Jonathan Ormes, DU Research Professor in Physics and Astronomy, will review the basics of geo-engineering (i.e., climate altering) strategies and facilitate group discussion on their merits and limitations. Solar Radiation Management (SRM) strategies reflect a portion of the sun's rays back into space (by shooting sulfur dioxide particles in the atmosphere, for example), while Carbon Dioxide Removal (CDR) approaches remove CO₂ from the atmosphere and store it underground or in soils as biochar, for example.

For a short, nontechnical overview of both strategies, see "Fact or Fiction?: Geoengineering Can Solve Global Warming" by **David Biello**, an award-winning environment and energy reporter for *Science American*. Available at http://www.scientificamerican.com/article/fact-or-fiction-geoengineering-can-solve-global-warming/?WT.mc_id=SA_ENGYSUS_20141218.

For two brief point-counterpoint perspectives on SRM, see the attached scanned articles from *USA Today*. And for more information on SRM and CDR separately, see these recent publications by the National Academy of Sciences online: *Climate Intervention: Reflecting Sunlight to Cool Earth* (2015), at <http://www.nap.edu/read/18988>; and *Climate Intervention: Carbon Dioxide Removal and Reliable Sequestration* (2015), at <http://www.nap.edu/read/18805>. Start with the brief Preface, and then the Summary, if you would like more.

Ron Larson, past president of the Colorado Renewable Energy Society, will comment on pending legislation in Colorado (SB007) that specifies conditions under which biomass energy projects that produce biochar would comply with Colorado's Energy Renewable Standard.

After a brief break, **Phil Nelson**, retired geologist and leader of the Golden Chapter of the Citizens' Climate Lobby, will review the growing support from the public and private sector for setting a price on carbon emissions. Questions for discussion include: *What are the prospects for enacting federal legislation on climate change? What pressures now exist for legislation? What form does resistance take? How might that resistance be persuaded to go along with legislation?*

For a brief comparison of cap-and-trade vs. carbon tax (or fee) approaches, see the one-page attachment by **David Carlson**. Additional information is referenced and available online on this one-page overview.

For more information about the EEE Forum, including archived Forum meetings and associated attachments, please visit the EEE web page at http://denverclimatestudygroup.com/?page_id=683. Thanks to **Paul Belanger** for maintaining our webpage.

As always, your RSVP is requested but not required. Feel free to forward this invitation to others who may be interested.

David Carlson, EEE Forum Convener

David L. Carlson, Ph.D.
Adjunct Faculty
The Iliff School of Theology and
The University of Denver (Josef Korbel School of International Studies)