



# DEEP CARBON OBSERVATORY

## FIRST DCO DATA SCIENCE DAY

Center for Biotechnology and Interdisciplinary Studies (CBIS)

Rensselaer Polytechnic Institute, Troy, NY, USA

05 June 2014

(with hands-on and technical discussion on June 06 at Winslow Building/RPI for interested people)

## AGENDA

---

### Morning Session: Bruggeman Conference Center, 2<sup>nd</sup> Floor at CBIS Building

---

8:30 am

**Registration.** Coffee/Refreshment

---

9:00 - 9:20 am

*Welcome and Overview of the DCO Data Science*  
**Peter Fox**, Rensselaer Polytechnic Institute

---

9:20 - 09:50 am

*National and International Efforts in Research Data Access and Sharing*  
**Fran Berman**, Rensselaer Polytechnic Institute / Research Data Alliance

---

9:50 - 10:20 am

*What is a Model? - A Community Driven Model Development Architecture for DCO Science*  
**Mark Ghiorso**, OFM Research Inc.

---

10:20 - 10:40 am

**Break**

---

10:40 - 11:10 am

*The Internet of Samples in the Earth Sciences*  
**Kerstin Lehnert**, LDEO, Columbia University

---

11:10 - 11:40 am

*Experimental Geoscience and the Deep Carbon Observatory: A Personal Perspective on Data Acquisition and Use*  
**Bruce Watson**, Rensselaer Polytechnic Institute

---

11:40 am -12:10 pm

*The Deep-Time Data Infrastructure: A DCO Data Legacy?*  
**Bob Hazen**, Carnegie Institution for Science  
(The talk may be moved to afternoon depends on Bob's arrival time)

---

12:10 – 13:00 pm

**Lunch: Atrium Level 2**

---

---

**Afternoon Session: Bruggeman Conference Center, 2<sup>nd</sup> Floor at CBIS Building**

---

<b>13:00-13:10 pm</b>	Introduction to breakout topics
<b>13:10-15:10 pm</b>	<b>Breakout Sessions:</b>  Group 1 (Bruggeman): <i>Deep Energy</i> Moderators: <b>Julie Sheets</b> and <b>Tullis Onstott</b>  Group 2 (Bruggeman): <i>Deep Life</i> Moderators: TBD <i>May consider combine the breakouts of DE and DL</i>  Group 3 (Oxbridge 3353 3 <sup>rd</sup> Floor): <i>Extreme Physics and Chemistry</i> Moderator: <b>Mark Ghiorso</b>  Group 4 (Oxbridge 4353 4 <sup>th</sup> Floor): <i>Reservoirs and Fluxes</i> Moderator: <b>Kerstin Lehnert</b>
<b>15:10 – 15:30 pm</b>	<b>Break</b>
<b>15:30 – 16:10 pm</b>	Short presentations from breakout groups
<b>16:10 – 16:50 pm</b>	Open discussion
<b>16:50 – 17:00 pm</b>	Concluding remarks <b>Peter Fox</b> , Rensselaer Polytechnic Institute
<b>17:00 – 19:00 pm</b>	<b>Reception: Terrace Level 2 &amp; Oxbridge 2<sup>nd</sup> Floor</b>

---