

**U.S. Environmental Protection Agency  
A Joint Meeting of the Science Advisory Board (SAB)  
and Board of Scientific Counselors (BOSC)  
July 24-25, 2014  
Washington Marriott Georgetown Hotel  
1221 22nd Street NW  
Washington, D.C. 20037**

**Draft Agenda**

**Meeting Purpose:** To discuss ORD's plans to develop Strategic Research Action Plans for 2016-2019.

**July 24, 2015**

10:00 a.m.	<b>Convene Meeting</b>	<b>Dr. Angela Nugent</b> <i>SAB DFO</i> <b>Ms. Cindy Roberts</b> <i>BOSC DFO</i>
10:05 a.m.	<b>Introductions of SAB and BOSC Members, Goals and Agenda</b>	<b>Dr. David Allen</b> <i>SAB Chair</i> <b>Dr. Katherine von Stackleberg</b> <i>BOSC Chair</i>
10:25 a.m.	<b>ORD Overview and Introduction of National Program Directors</b> <ul style="list-style-type: none"><li>• Dr. Daniel Costa - Air, Climate, and Energy</li><li>• Dr. Tina Bahadori -- Chemical Safety for Sustainability</li><li>• Dr. John Vandenberg -- Human Health Risk Assessment</li><li>• Dr. Gregory Sayles -- Homeland Security</li><li>• Dr. Suzanne van Drunick - Safe and Sustainable Water Resources</li><li>• Dr. Michael Slimak - Sustainable and Healthy Communities</li></ul>	<b>Mr. Lek Kadeli</b> <i>Acting Assistant Administrator, ORD</i> <b>Dr. Robert Kavlock</b> <i>Deputy Assistant Administrator for Science, ORD</i>
11:30 a.m.	<b>Orientation to the EPA Strategic Plan</b>	<b>Ms. Kathy O'Brien</b> , <i>Director of the Office of Planning, Analysis, and Accountability, Office of the Chief Financial Officer</i>
12:00 p.m.	<b>Public Comment</b>	<b>Registered speakers</b>
12:15 p.m.	<b>Instructions for Breakout Groups' Discussions</b>	<b>SAB and BOSC Chairs</b>
12:30 p.m.	<b>Lunch</b>	

2:00 p.m. **Breakout Discussions (see attachments)**

**Concurrent Breakout Groups**

- **Air, Climate and Energy (Salon C)**
- **Chemical Safety for Sustainability and Human Health Risk Assessment (Salon B)**
- **Homeland Security (Salon H)**
- **Safe and Sustainable Water Resources (Thomas Room)**
- **Sustainable and Healthy Communities (Salon D)**

5:30 p.m. **Recess for the Day**

**July 25, 2014**

8:30 a.m.	<b>Reconvene Plenary</b>	<b>The DFOs</b>
8:35 a.m.	<b>Program Integration Road Maps ORD Presentations and SAB/BOSC Discussion</b>	
	<ul style="list-style-type: none"><li>• <b>Introduction to Roadmaps</b></li></ul>	<b>Dr. Robert Kavlock</b>
	<ul style="list-style-type: none"><li>• <b>Children's Health (8:40 a.m.)</b> ORD Presentation (20 minutes) SAB/BOSC Discussion (10 minutes for lead reviewers, 20 minutes for discussion)</li></ul>	<b>Dr. Elaine Cohen-Hubal, <i>ORD</i></b> <b>Lead Discussants: Drs. Catherine Karr and John Vena</b> <b>SAB and BOSC Members</b>
	<ul style="list-style-type: none"><li>• <b>Nitrogen and Co-Pollutants (9:30 a.m.)</b> ORD Presentation (20 minutes) SAB/BOSC Discussion (10 minutes for lead reviewers, 20 minutes for discussion)</li></ul>	<b>Dr. Walt Nelson, <i>ORD</i></b> <b>Lead Discussants: Drs. Kenneth Reckhow and Dr. David Dzombak</b> <b>SAB and BOSC Members</b>
	<b>BREAK</b>	
	<ul style="list-style-type: none"><li>• <b>Climate Change (10:30 a.m.)</b> ORD Presentation (20 minutes) SAB/BOSC Discussion (10 minutes for lead reviewers, 20 minutes for discussion)</li></ul>	<b>Dr. C. Andrew Miller, <i>ORD</i></b> <b>Lead Discussants: Drs. William Schlesinger and Surabi Menon</b> <b>SAB and BOSC Members</b>
	<ul style="list-style-type: none"><li>• <b>Environmental Justice (11:20 a.m.)</b> ORD Presentation (10 minutes) SAB/BOSC Discussion (10 minutes for lead reviewers, 10 minutes for discussion)</li></ul>	<b>Ms. Mary Manibusan, <i>ORD</i></b> <b>Lead Discussants: Drs. Kristina Mena and H. Keith Moo-Young</b> <b>SAB and BOSC Members</b>
11:50 a.m.	<b>Lunch</b>	
12:40 p.m.	<b>Reports from Breakout Groups and SAB/BOSC Discussion</b>	
	<ul style="list-style-type: none"><li>• <b>Air, Climate and Energy</b></li><li>• <b>Safe and Sustainable Water Resources</b></li><li>• <b>Chemical Safety for Sustainability and Human Health Risk Assessment</b></li><li>• <b>Sustainable and Healthy Communities</b></li><li>• <b>Homeland Security</b></li></ul>	<b>Dr. Ingrid Burke, <i>Rapporteur</i></b> <b>Dr. James Opaluch,, <i>Rapporteur</i></b> <b>Dr. Edward Carney, <i>Rapporteur</i></b>  <b>Dr. Joseph Arvai, <i>Rapporteur</i></b> <b>Dr. Daniel Stram,, <i>Rapporteur</i></b>
2:40 p.m.	<b>Next Steps: Teleconference Process for further Integrating Results from Breakout Groups into the SAB-BOSC Report and Discussion of ORD-Wide Charge Questions</b>	<b>SAB and BOSC Chairs</b>
2:45 p.m.	<b>Adjourn the Meeting</b>	<b>The DFOs</b>

## Attachment for Breakout Group: Air, Climate and Energy

### Salon C

2:00 p.m.	<b>Opening of breakout discussion</b>	<b>Mr. Aaron Yeow</b> , <i>Designated Federal Officer, Science Advisory Board Staff Office</i>
2:05 p.m.	<b>Opening remarks and introductions</b>	<b>Dr. Peter Thorne</b> , <i>Breakout Group Facilitator</i> <b>Dr. Ingrid Burke</b> , <i>Rapporteur</i> <b>SAB and BOSC Members</b>
2:15 p.m.	<b>Brief Remarks</b>	<b>Dr. Dan Costa</b> , <i>ORD Program Director for Air, Climate and Energy</i>
2:30 p.m.	<b>Discussion of EPA Charge Questions</b> <ul style="list-style-type: none"><li>○ Program-Specific Charge questions 2.a, 2.b, and 2c.</li><li>○ Air, Climate and Energy Charge question 3a</li></ul>	<b>SAB and BOSC Members</b>
	<b>Discussion of any additional topics identified by the breakout group as critically important to implementation of the research program</b>	
4:30 p.m.	<b>Preparation of breakout session group report on July 25, 2014</b>	<b>SAB and BOSC Members</b>
5:30 p.m.	<b>Recess for the Day</b>	

## **Attachment for Breakout Session: Chemical Safety for Sustainability (CSS) and Human Health Risk Assessment (HHRA)**

### **Salon B**

2:00 p.m.	<b>Opening of breakout discussion</b>	<b>Dr. Suhair Shallal</b> , <i>Designated Federal Officer, Science Advisory Board Staff Office</i>
2:05 p.m.	<b>Opening remarks and introductions</b>	<b>Dr. Elaine Faustman</b> , <i>Breakout Group Facilitator</i> <b>Dr. Edward Carney</b> , <i>Rapporteur</i> <b>SAB and BOSC Members</b>
2:15 p.m.	<b>Brief Remarks</b>	<b>Dr. Tina Bahadori</b> , <i>ORD CSS Program Director</i> <b>Dr. John Vandenberg</b> , <i>ORD HHRA Program Director</i>
2:30 p.m.	<b>Discussion of EPA Charge Questions</b> <ul style="list-style-type: none"><li>○ Program-Specific Charge questions 2.a, 2.b, and 2c. for CSS</li><li>○ Program-Specific Charge questions 2.a, 2.b, and 2c. for HHRA</li><li>○ CSS/HHRA Charge question 6a, 6b, and 6c</li></ul> <p><b>Discussion of any additional topics identified by the breakout group as critically important to implementation of the research program</b></p>	<b>SAB and BOSC Members</b>
4:30 p.m.	<b>Preparation of breakout session group report on July 25, 2014</b>	<b>SAB and BOSC Members</b>
5:30 p.m.	<b>Recess for the Day</b>	

## Attachment for Breakout Session: Homeland Security

### Salon H

2:00 p.m.	<b>Opening of breakout discussion</b>	<b>Mr. Edward Hanlon</b> , <i>Designated Federal Officer, Science Advisory Board Staff Office</i>
2:05 p.m.	<b>Opening remarks and introductions</b>	<b>Dr. Paula Olsiewski</b> , <i>Breakout Group Facilitator</i> <b>Dr. Daniel Stram</b> , <i>Rapporteur</i> <b>SAB and BOSC Members</b>
2:15 p.m.	<b>Brief Remarks</b>	<b>Dr. Gregory Sayles</b> , <i>ORD Acting Program Director for Homeland Security</i>
2:30 p.m.	<b>Discussion of EPA Charge Questions</b> <ul style="list-style-type: none"><li>○ Program-Specific Charge questions 2.a, 2.b, and 2c. for CSS</li><li>○ Program-Specific Charge questions 7a and 7b for Homeland Security</li></ul>	<b>SAB and BOSC Members</b>
	<b>Discussion of any additional topics identified by the breakout group as critically important to implementation of the research program</b>	
4:30 p.m.	<b>Preparation of breakout session group report on July 25, 2014</b>	<b>SAB and BOSC Members</b>
5:30 p.m.	<b>Recess for the Day</b>	

# Attachment for Breakout Session: Safe and Sustainable Water Resources

## Thomas Room

2:00 p.m.	<b>Opening of breakout discussion</b>	<b>Ms. Stephanie Sanzone</b> , <i>Designated Federal Officer, Science Advisory Board Staff Office</i>
2:05 p.m.	<b>Opening remarks and introductions</b>	<b>Dr. Kimberly Jones</b> , <i>Breakout Group Facilitator</i> <b>Dr. James Opaluch</b> , <i>Rapporteur</i> <b>SAB and BOSC Members</b>
2:15 p.m.	<b>Brief Remarks</b>	<b>Dr. Suzanne van Drunick</b> , <i>ORD National Program Director for Safe and Sustainable Water Resources</i>
2:30 p.m.	<b>Discussion of EPA Charge Questions</b> <ul style="list-style-type: none"><li>○ Program-Specific Charge questions 2.a, 2.b, and 2c.</li><li>○ Safe and Sustainable Water Resources Charge question 5a</li></ul>	<b>SAB and BOSC Members</b>
	<b>Discussion of any additional topics identified by the breakout group as critically important to implementation of the research program</b>	
4:30 p.m.	<b>Preparation of breakout session group report on July 25, 2014</b>	<b>SAB and BOSC Members</b>
5:30 p.m.	<b>Recess for the Day</b>	

## **Breakout Session: Sustainable and Healthy Communities**

### **Salon D**

2:00 p.m.	<b>Opening of breakout discussion</b>	<b>Dr. Holly Stallworth</b> , <i>Designated Federal Officer, Science Advisory Board Staff Office</i>
2:05 p.m.	<b>Opening remarks and introductions</b>	<b>Dr. Duncan Patten</b> , <i>Breakout Group Facilitator</i> <b>Dr. Joseph Arvai</b> , <i>Rapporteur</i> <b>SAB and BOSC Members</b>
2:15 p.m.	<b>Brief Remarks</b>	<b>Dr. Michael Slimak</b> , <i>ORD Program Director for Sustainable and Healthy Communities</i>
2:30 p.m.	<b>Discussion of EPA Charge Questions</b> <ul style="list-style-type: none"><li>○ Program-Specific Charge questions 2.a, 2.b, and 2c.</li><li>○ Sustainable and Healthy Communities Charge question 4a, 4b, 4c</li></ul>	<b>SAB and BOSC Members</b>
	<b>Discussion of any additional topics identified by the breakout group as critically important to implementation of the research program</b>	
4:30 p.m.	<b>Preparation of breakout session group report on July 25, 2014</b>	<b>SAB and BOSC Members</b>
5:30 p.m.	<b>Recess for the Day</b>	