

**US EPA Board of Scientific Counselors Subcommittee Meeting**  
**Chemical Safety for Sustainability**  
**Meeting Agenda Narrative and Charge Questions**  
**November 16-18, 2016**  
**EPA Campus, Research Triangle Park, NC**

**BACKGROUND AND CONTEXT**

The EPA's Board of Scientific Counselors (BoSC) was reconstituted in 2014 with an Executive Committee and five subcommittees aligned with each of the National Research Programs (part of the Human Health Risk Assessment program is reviewed in conjunction with the Chemical Safety for Sustainability program). Each of the subcommittees met during 2015 culminating in an Executive Committee meeting in December 2015. A report was generated which represents the cumulative effort of the subcommittees and the Executive Committee. This report and ORD's responses were provided in the materials sent to you in advance of the meeting.

**Agenda Reference:**

**Item 11**, EPA response to the BOSC January 2016 review of the EPA's Office of Research and Development's Research Programs

**THIS MEETING**

The BoSC Subcommittee for Chemical Safety for Sustainability (CSS) and Human Health Risk Assessment (HHRA) National Research Programs is scheduled to meet on November 16-18, 2016, on the EPA Campus, in Research Triangle Park, NC. This meeting will almost entirely focus on CSS, with a brief HHRA update provided on Friday, November 18<sup>th</sup>.

• **Goals of Subcommittee Review**

The November 16-18, 2016 meeting of the BoSC Subcommittee will include more in-depth information on CSS's four research topic areas: Chemical Evaluation, Life Cycle Analytics, Complex Systems Science, and Translation and Knowledge Delivery and the projects entailed within them. The exchange of information between the BoSC Subcommittee and the CSS staff and researchers is intended to support the Subcommittee in its evaluation of the research program. The purpose of the evaluation is to provide comments and recommendations on the following two charge questions for the Subcommittee's report, which will be submitted to the BoSC Executive Committee for their January 11-13, 2017 meeting.

• **Charge Questions to the Subcommittee:**

1. Science: Are we doing the right research? Taking resource limitations into considerations, are there any significant scientific gaps?
2. Integration: Based on prior feedback from this Subcommittee, over the past year, CSS has focused on further integrating the program within and between projects. Please comment on the progress. Is the integration approach right? Are there other areas that should be enriched?

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**MEETING AGENDA ROADMAP**

In addition to the introductory activities and presentations, the Subcommittee will be welcomed by Dr. Bob Kavlock, ORD's Deputy Assistant Administrator for Science.

The bulk of the meeting agenda is focused on evaluating the CSS portfolio relative to the Charge Questions. The CSS Topic Areas are comprised of the following projects which will be presented over two days:

- **Chemical Evaluation:** High throughput Toxicity Testing (HTT), Rapid Exposure and Dosimetry (RED)
- **Complex Systems Science:** Adverse Outcome Pathway Discovery and Development (AOPDD), Virtual Tissues Modeling (VTM)
- **Life Cycle Analytics:** Sustainable Chemistry (SustChem), Emerging Materials (EM), Life Cycle-Human Exposure Modeling (LC-HEM), and Ecological Modeling (EcoMod)
- **Translation and Knowledge Delivery:** Demonstration & Evaluation (D&E), Stakeholder Engagement, and Partner Driven Research (PDR).
  - D&E will be the project area for focus at the BoSC meeting.

**Agenda Reference:**

**Item 4**, CSS Fiscal Year 2016-2019 Strategic Research Action Plan (CSS FY 16-19 StRAP) provides more detailed description of these topics and projects.

**Item 5**, CSS BoSC 101 Overview 2016 presentation also provides an overview of the program.

**Item 6**, CSS FY17 Products\_BoSC lists the planned CSS Products for Fiscal Year 2017.

**Item 8**, CSS Project\_Topic\_PL Guide provides a visual guide to the projects and their respective Project co-Leads.

**Day 1 (November 16<sup>th</sup>):**

**10 AM – 12: 30 PM:** The CSS Project Leads in Chemical Evaluation, Complex Systems Science, and Translation and Knowledge Delivery (D&E only) Topic Areas will present brief 15-20 minute high level overviews of their projects.

**1:30 PM – 4:30 PM:** There will be a concurrent poster session and genius bars.

- While all the posters will be mounted, only the posters relevant to Day 1 project presentations will be staffed by our scientists in Atrium B. In addition to D&E, posters showcasing examples of Partner-Driven Research and Stakeholder Engagement, in the Translation and Knowledge Delivery Topic Area will also be presented.
- Genius bars (hands-on interactive software/application/model demonstrations) will be presented for SeqAPass, AOP-wiki, ECOTOX DB; and VT-LS in Classroom C113.

**Agenda Reference:**

**Item 7**, BoSC Poster & Genius Bar Guide 2016 provides abstracts and descriptions.

**Item 12**, RTP Campus Map provides a map for the room locations.

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**Day 2 (November 17<sup>th</sup>):**

**8:45 AM – 11:00 AM:** The CSS Project Leads in Life Cycle Analytics topic Area will present brief 15-20 minute high level overviews of their projects.

**11:00 AM – 12:30 PM:** Engagement of CSS Program and Regional Partners

- A focused panel to engage CSS Program and Regional partners and discuss the ways in which CSS is working on translating and delivering tailored solutions in collaboration with these partners. Each panel member will make 5 minute introductory remarks, with the exception of Region 5 which, will discuss a collaboration effort with CSS with the Great Lakes National Program Office (GLNPO) and other federal and Regional partners (10 minutes).
- CSS Program and Regional Partners from the Office of Chemical Safety and Pollution Prevention (OCSP), the Office of Water (OW), Office of Land and Emergency Management (OLEM), as well as Regions 2, 5, 8 and 10 will participate in the meeting, either in person or remotely. OCSP is comprised of three Offices: Office of Pesticide Programs (OPP), Office of Science Coordination and Policy (OSCP), and Office of Pollution Prevention and Toxics (OPPT). All three OCSP offices will be represented.
- Additionally, BoSC members may choose to engage these partners more informally throughout the course of the meeting.

**1:30 PM – 4:30 PM:** There will be a concurrent poster session and genius bars.

- While all the posters will be mounted, only the posters relevant to Day 2 project presentations will be staffed by our scientists in Atrium B. In addition, two posters will be presented that showcase our engagement with our CSS STAR Grantees (academic partners).
- Genius bars (hands-on interactive software/application/model demonstrations) will be presented for RapidTox, CPDat, and Chemistry Dashboard in Classroom C114.

**Agenda Reference:**

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**Day 3 (November 18<sup>th</sup>):**

**8:45 AM – 9:15 AM:** There will be a brief update from the HHRA National Program Director John Vandenberg.

**Agenda Reference:**

**Item 10,** HHRA Fiscal Year 2016-2019 Strategic Research Action Plan (HHRA FY16-19 StRAP); provided as background, in particular for new members.

**Item 11,** HHRA-101 presentation

**9:15 AM – 3:30 PM:** Subcommittee Deliberation and Report Writing

While there will be time on Days 1 and 2 (November 16-17) for the committee to deliberate and discuss, Day 3 (November 18<sup>th</sup>) from 9:15 AM to 3:30 PM has been set aside for Subcommittee deliberations and report writing. The report from this Subcommittee will be discussed at the January meeting of the BoSC Executive Committee described above.

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**Next Steps: BoSC Executive Committee meeting January 11-13, 2017, RTP, NC.**

- BoSC comments and recommendations are submitted to ORD through the BoSC Executive Committee. During January 11-13, 2017, the BoSC Executive Committee will deliberate on the products of each of the BoSC Subcommittees, and finalize a report to be delivered to the ORD Assistant Administrator. In addition, the Executive Committee will discuss ORD-wide focus on social science research, performance metrics and the cross-cutting Research Roadmaps. The CSS-HHRA BoSC Subcommittee members expected to attend the Executive Committee meeting include Ponisseril (Som) Somasundaran, Chair and Gina Solomon, Vice Chair.

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**Meeting Materials Transmitted in Advance of the Meeting:**

1. BOSC 2016 Agenda
2. Roster and Bios of Subcommittee Members
3. Agenda Narrative and Charge Questions (this document)
4. CSS Fiscal Year 2016-2019 Strategic Research Action Plan (CSS FY16-19 StRAP)
5. CSS BoSC 101 Overview 2016
6. CSS FY17 Products\_BoSC
7. BoSC Poster & Genius Bar Guide 2016
8. CSS BoSC Topic\_Project\_PL Guide
9. HHRA Fiscal Year 2016-2019 Strategic Research Action Plan (HHRA FY16-19 StRAP); provided as background, in particular for new members.
10. HHRA-101 presentation
11. EPA response to the BOSC January 2016 review of the EPA's Office of Research and Development's Research Programs
12. RTP Campus Map