

Integrated Risk Information System (IRIS) Program Public Science Meeting

Agenda

U.S. Environmental Protection Agency
Office of Research and Development
Webinar Meeting

Wednesday January 11, 2023

1:00 pm (ET) **Welcome and Announcements:**

Dr. Kris Thayer, IRIS Program Director, EPA/CPHEA

1:10 pm **Overview of the Cobalt and Cobalt Compounds (Inhalation) IRIS Assessment Plan (IAP) and Protocol**

Dr. Alan Sasso, EPA/CPHEA, Cobalt and Cobalt Compounds (Inhalation) Scientist

Background: An IRIS Assessment Plan (IAP) communicates to the public the plan for assessing each individual chemical and includes summary information on the IRIS Program's scoping and initial problem formulation; objectives and specific aims for the assessment; the PECO (Populations, Exposures, Comparators, and Outcomes) criteria that outlines the evidence considered most pertinent to the assessment; and identification of key areas of scientific complexity. The PECO provides the framework for developing literature search strategies and inclusion/exclusion criteria, particularly with respect to evidence stream (i.e., human, animal, mechanistic), exposure and outcome measures.

The IRIS assessment protocol describes the methodology for how the assessment will be conducted, including dose-response methods.

1:25 pm *The IRIS Program is seeking input aimed at improving or clarifying the IAP/Protocol. Below are science topics for comment (see meeting website for science topic descriptions, here: <https://www.epa.gov/iris/iris-public-science-meeting-jan-2023>):*

Topic 1. Association between lung and adrenal tumor formation

- Anatoly Zhitkovich, Brown University*

Topic 2. Cellular Uptake and Tissue Disposition

- John Wise, Sr. University of Louisville*

Topic 3. Cobalt Particle Toxicity

- John Wise, Sr. University of Louisville*

Topic 4. Proposed MOA of cobalt carcinogenicity

- John Wise, Sr. University of Louisville*
- Anatoly Zhitkovich, Brown University*

*Discussant identified by, but not representing, the National Academy of Sciences, Engineering, and Medicine.

2:30 pm

Public Comment Period - Comments Specific to the Cobalt IAP/Protocol

- Dr. Vanessa Viegas, Cobalt Institute
- Mr. Amara Dembele, Organisation Non Gouvernementale Progrès National
- Mr. Benard Nyamwaro, Petroleum Engineering and Development Company (PEDEC)
- Mr. Bob Kyagaba, Transguard

3:00 pm

ADJOURN