

CEC Ecosystem Panel

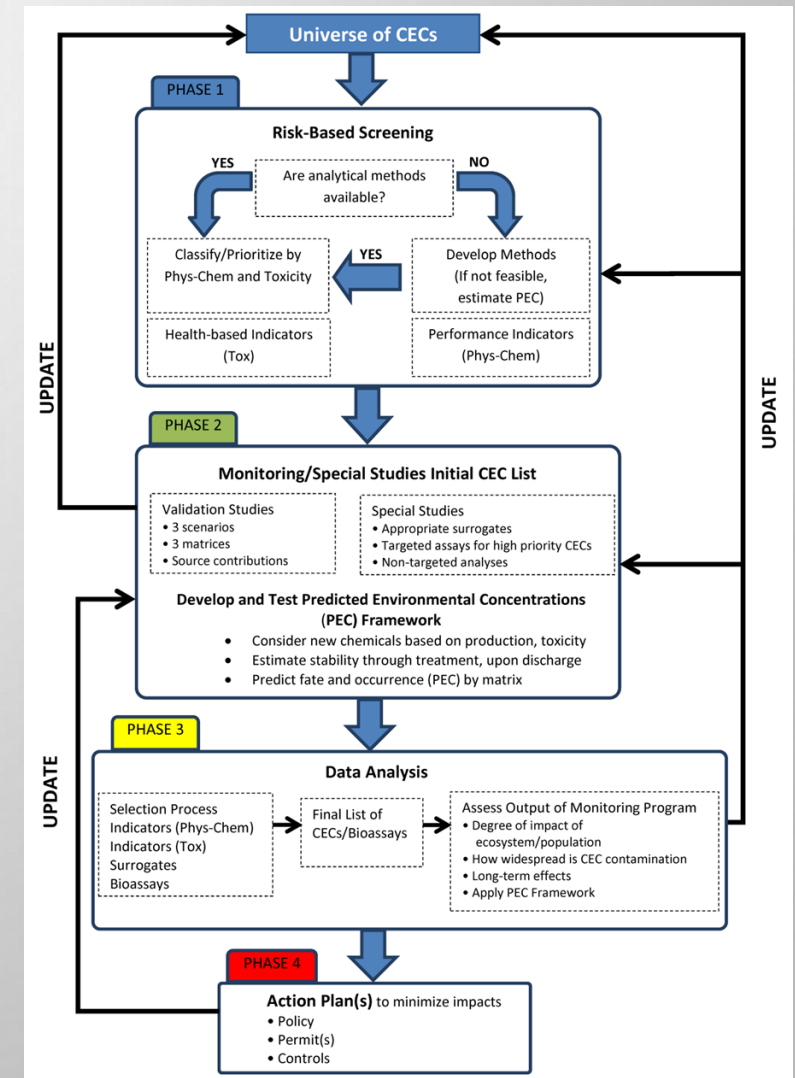
Project Leads: Steve Weisberg and Charles Wong (SCCWRP)

Funding: State Water Board and Ocean Protection Council



Background

- In 2009, the State of California convened an Expert Panel to help develop a CEC monitoring strategy
- Panel products included:
 - A risk-based framework to identify specific CECs to monitor
 - A list of CECs to monitor in ambient waters
 - Recommendation to develop and apply new methods for more comprehensive assessment (i.e., cell assays and NTA)



Expert Panel Reconvened in 2020



Dr. Jorg Drewes
Civil Engineer, Technical
University of Munich



Dr. Nancy Denslow
Biochemist,
University of Florida



Dr. Paul Anderson
Toxicologist, Arcadis



Dr. Dan Schlenk
Ecotoxicologist,
UC Riverside



Dr. Shane Snyder
Analytical Chemist,
Nanyang Technological
University Singapore



Dr. Adam Olivieri
Risk Assessor,
EOA Incorporated



Dr. Derek Muir
Environmental Chemist,
Environment and Climate
Change Canada

Panel Charges

- Which classes of CECs have the potential to adversely impact wildlife, ecosystems, and beneficial uses?
- Update the risk prioritization framework developed in 2012 to address classes of chemicals, structurally-related chemicals, and data-poor chemical classes
- What are the sources, pathways, and rate of inputs leading to the presence of classes of CECs in the marine, estuarine and freshwater ecosystems?
- Considering the physical, chemical, and biological processes that affect the transport and fate of classes of CECs, what matrices should be screened in marine, estuarine and freshwater ecosystems?
- What are the most important known and unknown biological effects for specific or classes of CECs and what approaches should be used to assess the biological effects of CECs to sentinel species?
- How can the State Water Board better address classes of CECs in the environment?

Timeline

Oct 2020: webinar series to inform the Panel on CEC initiatives conducted in CA since 2012

Nov 2020 – Spring 2021: review of targeted CEC and bioscreening data, update recommendations to monitor CECs

Fall 2020: report out and final report

For more information: <https://www.sccwrp.org/about/research-areas/emerging-contaminants/cec-ecosystems-panel/>