

# CALL FOR ABSTRACTS

## 2018 Columbia River Estuary Conference: *Promoting Resiliency under Shifting Environmental Conditions*

April 10-12, 2018 at Liberty Theater  
in Astoria, Oregon

**Abstracts Due: February 2, 2018**

**Theme:** A conference bringing together people with interest of the lower Columbia River and estuary, plume, and nearshore ocean to highlight new findings and perspectives from species recovery, restoration, research and monitoring efforts and resulting implications.

**Call for Papers and Posters:** Presentations that provide new scientific findings, contribute to a better understanding, describe innovative techniques or discuss emerging issues, with management implications for lower Columbia, plume and nearshore ocean ecosystems or listed species are welcome. Findings from outside this focal area are welcome if they provide context or a better understanding of ecosystem processes, restoration or species recovery within the focal area. All presentations should include a synthesis and interpretation of results and a discussion of the application of these findings to management. Abstracts that address the suggested topics below are encouraged:

### **Suggested Topics:**

- Changing climate:
  - Ecosystem tipping points – how do we know when we are reaching ecosystem shifts? How do we manage to avoid them? Have conditions in the ocean already reached this point?
  - What specific steps can we take to help species adapt or reduce impacts from predicted changes? How do we help species survive?
  - How do we build resiliency into restoration project design and species recovery? How do we better integrate predicted impacts (more intense storms, warming temperatures, changes in flow, rising sea levels) into our restoration project design? Are we explicitly identifying and designing projects that restore thermal conditions of watersheds, or reduce further loss of floodplain habitats by keeping up with sea level rise?
- New understanding of ecosystem condition and function: What are new findings to provide us with a better basic understanding of the lower Columbia, plume and nearshore ocean? How does this information help us in designing ecosystem restoration or listed species recovery actions?
- Linking science to policy effectively: What are good examples of transferring our research and monitoring results to management and policy decisions? How can we do this better? How do we better involve others in our work, including local communities?
- Multi-species management and ESA listed species recovery: How do we integrate multi-species conservation within restoration projects focused on salmon or waterfowl, as examples? What are the uncertainties for species recovery and ecosystem restoration programs? What is the latest research telling us and what are the management implications of this?
- Innovative technologies and new data products: What are innovative technologies or data products and how have they been applied? How do these improve our understanding or management activities?

- Columbia Basin issues, including Columbia River Treaty, toxic contaminants, invasive species: What are the implications of these issues on the lower Columbia, plume and nearshore ocean?

*Abstracts should be submitted to Catherine Corbett by February 2, 2018 via email: [ccorbett@estuarypartnership.org](mailto:ccorbett@estuarypartnership.org).*

**Abstract Format:**

Please list presentation title, author (s) and contact information, including email for primary author. ***Please denote presenting author with Italics font and asterisk (\*)***. Please keep text description of abstract to one paragraph and no more than 500 words. Please indicate whether you prefer to make an oral or poster presentation. Depending on time constraints, some presenters may be requested to modify their format from oral to poster presentation format.

***Please submit no more than one abstract as a lead presenter for an oral presentation (can co-author multiple presentations or be lead presenter on a poster in addition to an oral).***

Example abstract format:

**Results of Multi-Year Coordinated Fish, Food Web and Habitat  
Data Collection under the Ecosystem Monitoring Program**

*\*Lyndal Johnson<sup>1</sup>, Amy Borde<sup>2</sup>, Jennifer Morace<sup>3</sup>, and Jina Sagar<sup>4</sup>*

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*\*Presenting author (email: l\_johnson@noaa.gov)*

Since 2007, this most excellent monitoring program has provided key baseline information of the tidal freshwater section of the lower Columbia River. Results from this monitoring will be provided...

Oral presentation preferred.

**Conference Format:** The conference will be a three day event with invited and contributed presentations. Oral presentations will be allocated 20 minutes total, including audience questions. There will be a poster session during an evening social.