

Zooplankton Ecology Symposium

#zoopsymp2020

Symposium Information

Day 1: Tue Oct 27, 2020 | 1:00 PM to 5:00 PM PDT

Day 2: Wed Oct 28, 2020 | 8:30 AM to 12:00 PM PDT

Location: Online (information will be sent to registrations)

[Registration](#) is free and required to attend.

Please [contact Sam Bashevkin](#) at the Delta Science Program with questions.

Program



DAY 1: Zooplankton Monitoring and Data





OCTOBER 27, 1:00 to 5:00 PM PDT





SESSION 1: ZOOPLANKTON IN THE SAN FRANCISCO ESTUARY

Facilitator: *Sam Bashevkin*

- 1:00 to 1:10** **SAM BASHEVKIN**, Delta Science Program
Introduction
- 1:10 to 1:20** **LOUISE CONRAD**, Delta Science Program
Welcome to the Zooplankton Ecology Symposium: From Data Science to Climate Change
- 1:20 to 1:40** **KAREN KAYFETZ**, Delta Science Program
What we Monitor and Why: Surveying Zooplankton in the San Francisco Estuary

Lightning talks

-  **1:40 to 1:45** **ARTHUR BARROS**, California Department of Fish and Wildlife
IEP Zooplankton Study
-  **1:45 to 1:50** **TRISHELLE TEMPEL**, California Department of Fish and Wildlife
The California Department of Fish and Wildlife's 20-mm Survey
-  **1:50 to 1:55** **CHRISTINA BURDI**, California Department of Fish and Wildlife
Summer Towntnet and Fall Midwater Trawl Zooplankton Monitoring
-  **1:55 to 2:00** **DAN ELLIS**, California Department of Fish and Wildlife
Fish Restoration Program Monitoring: Overview and Update

-  **2:00 to 2:05** **JESSE ADAMS**, California Department of Water Resources
Zooplankton Monitoring for the Yolo Bypass Fish Monitoring Program
-  **2:05 to 2:10** **CALVIN LEE**, ICF
ICF FAST: Sampling from the Marsh to the Bay
-  **2:10 to 2:15** **KIM LUKE**, Center for Watershed Sciences, University of California, Davis
Zooplankton Sampling in the Cache – Lindsey Slough Complex: Observing Trends Across Drought and Flood Water Years
-  **2:15 to 2:20** **WIM KIMMERER**, Estuary & Ocean Science Center, San Francisco State University
Sampling and Other Procedures in the Kimmerer Lab at the EOS Center
- 2:20 to 2:30** **Break**

SESSION 2: ZOOPLANKTON DATA AND ITS USE

Facilitator: *Rosemary Hartman*

- 2:30 to 2:50** **SAM BASHEVKIN**, Delta Science Program
Building an Integrated Dataset of Zooplankton Monitoring in the Upper San Francisco Estuary
- 2:50 to 3:15** **TED SOMMER**, California Department of Water Resources
How Does Zooplankton Science Inform Management Activities in the Bay-Delta?
- 3:15 to 3:35** **Q&A WITH PRESENTERS**
Zooplankton Collection Methods, Synthesis, and Integration

Moderator: *Rosemary Hartman, California Department of Water Resources*
Presenters: *Arthur Barros, Trishelle Tempel, Christina Burdi, Dan Ellis, Jesse Adams, Calvin Lee, Kim Luke, Wim Kimmerer, Sam Bashevkin, Ted Sommer*
- 3:35 to 3:45** **Break**

SESSION 3: EMERGING TECHNOLOGIES AND THE FUTURE

Facilitator: *Cheryl Patel*

- 3:45 to 4:05** **MANU PRAKASH**, Department of Bioengineering, Stanford University
Imaging and Imagining: Modular Low Cost Microscopy Tools for “Seaitizen” Science
- 4:05 to 4:25** **JOHN RYAN**, Monterey Bay Aquarium Research Institute
Targeted Sampling of Zooplankton Using Autonomous Underwater Vehicles
- 4:25 to 4:45** **MARK OHMAN**, Scripps Institution of Oceanography
Zooglider: Autonomous Optical and Acoustic Assessment of Zooplankton with Advanced Machine Learning

DAY 2: Zooplankton Ecology

OCTOBER 28, 8:30 AM to 12:00 PM PDT

SESSION 4: BEHAVIOR, FEEDING, AND PREDATION

Facilitator: *Christina Burdi*

- 8:30 to 8:40** **SAM BASHEVKIN**, Delta Science Program
Re-Welcome

- 8:40 to 9:05** **DEBORAH K. STEINBERG**, Virginia Institute of Marine Science, William & Mary
Zooplankton Vertical Migration Across Marine Ecosystems
- 9:05 to 9:30** **MICHELLE JUNGBLUTH**, Estuary & Ocean Science Center, San Francisco State University
Feeding and Predation in the Plankton
- 9:30 to 9:55** **KAREN STAMIESZKIN**, Virginia Institute of Marine Sciences, William & Mary
The Role of Mesozooplankton in the Ocean's Biological Carbon Pump
- 9:55 to 10:10** *Break*

SESSION 5: ENVIRONMENT, HABITAT, AND INVASION

Facilitator: *Arthur Barros*

- 10:10 to 10:35** **WIM KIMMERER**, Estuary & Ocean Science Center, San Francisco State University
Physical Habitat for Zooplankton: Life in a Moving Frame of Reference
- 10:35 to 11:00** **ANGELA STRECKER**, Institute for Watershed Studies, Western Washington University
Aquatic Invasive Species: Spread, Impacts on Native Species, and Context Dependency
- 11:00 to 11:25** **ROSEMARY HARTMAN**, California Department of Water Resources
City Zoop County Zoop: Zooplankton Community Differences Across Habitats
- 11:25 to 11:50** **HANS DAM**, University of Connecticut
Zooplankton Responses to Climate Change: Patterns and Mechanisms
- 11:50 to 12:00** **SAM BASHEVKIN**, Delta Science Program
Wrap Up

Special thanks to our collaborative partners in planning this event.



**Delta
Science
Program**

DELTA STEWARDSHIP COUNCIL



**Interagency
Ecological Program**
COOPERATIVE ECOLOGICAL
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