# Cal-IPC 30-Year Anniversary Symposium 2021

# **Event Schedule**

Tue, Oct 26, 2021

#### 8:00am

#### Statewide WMA Meeting

② 8:00am - 10:30am, Oct 26

The annual meeting of the state's Weed Management Areas, with updates from CDFA, presentations on WMA projects, and training on IPM, planning, mapping, and reporting.

[1.5 "Other" DPR CE credits - take quiz after session]

#### **♥** Speakers



Michelle Dennis Branch Chief, Integrated Pest Control, California Department of Food and Agriculture



David Kratville Senior Environmental Scientist/State Weed Coordinator, California Dept. of Food and Agriculture



Robert Price CDFA Seed Lab



Kari Osegueda Integrated Pest Control GIS Analyst, California Dept. of Food and Agriculture



Matt Major Environmental Specialist, Orange County Parks



Shani Pynn Senior Plant Restoration Ecologist, Riverside-Corona Resource Conservation District



Brian Glenn IPM Unit Supervisor, Orange County Public Works/OC Agricultural Commissioner



LeeAnne Mila Deputy Agricultural Commissioner, El Dorado County Department of Agriculture



Patrick Hoffman Agricultural Inspector, Humboldt County Department of Agriculture



Mary Fee Executive Secretary, WA State Noxious Weed Control Board



Emily Bell Coordinator, Florida Invasive Species Partnership



Linda Rohleder Coordinator, Lower Hudson (NY) Partnership for Regional Invasive Species Management

#### 11:00am

#### **Career Panel**

① 11:00am - 12:00pm, Oct 26

Designed for students and early-career professionals. Hear advice and input from people in different areas of the conservation field.

#### **▼** Speakers



Harry Sandoval Natural Resources Manager, Riverside County Habitat Conservation Agency



Joey Algiers Restoration Ecologist, National Park Service



Shelley Pneh Ecologist, Grassroots Ecology



Marcos Trinidad Center Director, Audubon Center at Debs Park



Elise Gornish Extension Specialist-Ecology, management, and restoration of rangelands, University of Arizona

## 1:00pm

## Orientation to the Symposium and Weed Management

**1**:00pm - 2:30pm, Oct 26

New to the field? Never been to the Symposium before? This is your chance to get oriented and get your questions answered. Hear about work in the field (mapping, control, monitoring) fit together with work in the and office (planning, tracking, reporting). Understand what types of research are being done in academia and what types of management are happening in the field. Our hope is to set you up for getting

the most out of all the information on tap at the Symposium!

## **♥** Speakers



Doug Johnson Executive Director, California Invasive Plant Council



Steven Addison CIVICORPS



Sarah Godfrey Chief Executive Officer, Map The Point

## 3:00pm

## **Herbicide Laws and Regulations**

② 3:00pm - 5:00pm, Oct 26

Updates and training on laws and regulations concerning herbicide use in California, designed to provide 2 hours of continuing education credit for DPR licensed applicators. Moderated by LeeAnne Mila, El Dorado County Dept. of Agriculture.

Moderated by Scott Oneto, UC Cooperative Extension 2 Hr DPR CE "Laws and Regs" credit. Exam posted after session.

ISA Credits available TW-2.00, CA-2.00, MS-2.00, US-2.00, BCMAP-2.00 Register for credit with link on conference home page

## **♥** Speakers



Beau miller Corteva



LeeAnne Mila Deputy Agricultural Commissioner, El Dorado County Department of Agriculture



Brandon Stark Director, Center of Excellence on Unmanned Aircraft System Safety, University of California



Catherine Bilheimer Environmental Scientist, California Department of Pesticide Regulation

## 4 Subsessions

Understanding Herbicide Labels and How to Use Them
 3:00pm - 3:30pm, Oct 26

Common Errors in Applying Herbicides

② 3:30pm - 4:00pm, Oct 26

Drone Regulations and Safety

**②** 4:00pm - 4:30pm, Oct 26

 PRESCRIBE: An Online Database for Protection of Endangered Species from Pesticides

**4**:30pm - 5:00pm, Oct 26

## Wed, Oct 27, 2021

#### 8:30am

## Welcome and Cal-IPC Update

② 8:30am - 9:00am, Oct 27

## **₹** Speaker



Doug Johnson Executive Director, California Invasive Plant Council

## 9:00am

## Session 1: Special Session - Expanding the Community in Conservation

② 9:00am - 10:30am, Oct 27

Moderator: Josie Bennett, Restoration Director, Laguna Canyon Foundation

## **₹** Moderator



Josie Bennett Restoration Director, Laguna Canyon Foundation

## **♥** Speakers



Shelana deSilva Policy and Advocacy Strategist, SdS Consulting



**Amy Lethbridge** Chief of Staff, Mountains Recreation and Conservation Authority, Community Nature Connection, National Association for Interpretation



Trina Cunningham Tribal Lands, Water, and Fire Consultant, Contractor

#### 4 Subsessions

- Why Justice, Equity, and Belonging Matter in Environmental Restoration Work
  9:05am 9:20am, Oct 27
- Integrating JEDI Principles into Conservation
  9:20am 9:35am, Oct 27
- Traditional Ecological Knowledge (TEK) in Conservation

**②** 9:35am - 9:50am, Oct 27

Panel Discussion

② 9:50am - 10:30am, Oct 27

#### 11:00am

## **Workshops on Expanding Community in Conservation**

**1**1:00am - 12:10pm, Oct 27

Join workshops to dig deeper into concepts of expanding community. Note that two workshops run 11-12, and two run 11:10-12:10.

#### 4 Subsessions

- JEDI in Practice in Conservation Organizations
  11:00am 12:00pm, Oct 27
- Integrating TEK and Working with Tribal Partners
  11:00am 12:00pm, Oct 27
- Justice, Equity, Diversity & Inclusion Basics
  11:10am 12:10pm, Oct 27
- The History of Conservation and Social Justice
  11:10am 12:10pm, Oct 27

## 1:00pm

## Session 2: Big Problems and Big Solutions in Invasive Plant Management

**1:00pm - 2:00pm, Oct 27** 

Moderator: Jason Giessow, Dendra Inc.

1.0 "Other" DPR CE credit - take quiz after session

## **♥** Speakers



Adam Lambert Associate Researcher, UC Santa Barbara



Robert Fitch PhD Student, University of California, Santa Barbara



Brian Owens Marine Biologist, California Department of Fish and Wildlife

#### 3 Subsessions

 Leveraging Partnerships to Advance Giant Reed (Arundo donax) Removal and Restoration in the Santa Clara River

**1:00pm - 1:20pm, Oct 27** 

- Investigating Drivers of Plant Abundance and Community Structure on Fuel Breaks
  1:20pm 1:40pm, Oct 27
- Controlling an Early Detection of Caulerpa prolifera in Newport Bay
  1:40pm 2:00pm, Oct 27

## 2:30pm

## Session 3: Early Detection Rapid Response

② 2:30pm - 4:30pm, Oct 27

Moderator: Gina Darin, Senior Environmental Scientist, California Department of Water Resources

1.5 "Other" DPR CE credit - take quiz after session

#### **▼** Speakers



Kate Blood Program Manager - Weed Management, Department of Environment, Land, Water and Planning, Victoria, Australia



Rachel Kesel Conservation Management Specialist, Golden Gate National Parks Conservancy



**Jane Reppun Beachy** Natural Resources Conservation Manager, Army Natural Resources Program on O'ahu & University of Hawai'i



Alex Stubblefield Program Manager, PlantRight



Jutta Burger Science Program Director, California Invasive Plant Council



Robert Price CDFA Seed Lab

#### 5 Subsessions

 Raising Awareness and Building Capability to Manage Early Invader Weeds in Victoria, Australia ② 2:30pm - 2:50pm, Oct 27

Cycles of EDRR on Mt Tamalpais

② 2:50pm - 3:10pm, Oct 27

 Devil to Pay: Detection and Ten Years of Management of Chromolaena odorata (Devil Weed) in Hawai'i.

② 3:10pm - 3:30pm, Oct 27

 Building Continuity Across State Plant Lists: Predicting Invasion Risk of Horticultural Plants

② 3:30pm - 3:50pm, Oct 27

Weed Alerts and Invasive Plant Updates for 2021

② 3:50pm - 4:20pm, Oct 27

## 4:30pm

## Poster and Lightning Talk Session I

**4**:30pm - 5:30pm, Oct 27

**♀** Scroll down to view each presentation

View all 9 Posters/Lightning Talks labeled with "DPR CREDIT" **and** take quiz posted after session (in session Chat) for 1 HR DPR CE credit.

#### **♥** Speakers



Jennifer Perez



Erin Bishop Outreach Coordinator, Oahu Invasive Species Committee



Taylor Edwards M.S. student, California State Polytechnic University, Pomona



Alex Stubblefield Program Manager, PlantRight



Don Thomas Integrated Pest Management Specialist, San Francisco Public Utilities Commision



Jenna Allred Natural Lands Manager, Santa Lucia Conservancy



Charlie Braman University of California, Santa Barbara



Elizabeth Brusati Senior Environmental Scientist (Specialist), California Department of Fish and Wildlife



Sean Carey Staff Research Associate, UCSB, Marine Science Institute



Gina Darin Senior Environmental Scientist (Supervisory), California Department of Water Resources



Susannah Ferson Director, Natural Resource Division , Redwood Community Action Agency



Carla Avila RCAA



Thomas Getts Advisor, UCCE



**Evan Hobson** Staff Research Associate II, UC Santa Barbara



William Neill business, Riparian Repairs



Rebecca Nelson UC Davis



Cynthia Powell Executive Director, Calflora



Katie Pearson Data Manager, Arizona State University



Joanna Tang Doctoral student, University of California, Santa Barbara

19 Subsessions

• Poster - The Removal of Invasive Woodland Leads to Community Shifts in Arbuscular

Mycorrhizal Fungi

**②** 4:30pm - 5:30pm, Oct 27

- Poster Exorcists of Invasive Plants, Devil Weed Crew Oahu, HI \*DPR CREDIT\*
  4:30pm 5:30pm, Oct 27
- Poster Proactive Planting to Preclude Persistent Pest Plants \*DPR CREDIT\*
  4:30pm 5:30pm, Oct 27
- Poster The Impact of Small Vertebrate Consumers on Community Assembly in Degraded California Sage Scrub

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Poster - Keeping a Pulse on the Sale of Invasive Plants in California Retail Nurseries
 \*DPR CREDIT\*

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 Poster - Re-evaluating the Test of the Natural Herbicide Weed Slayer for Management of Invasive Plants \*DPR CREDIT\*

**②** 4:30pm - 5:30pm, Oct 27

 Lightning Talk - Managing to Promote Biodiversity Across Property Lines in California Central Coast

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 Lightning Talk - Identifying Native Plants that Promote Riparian Insect Community Recovery After Giant Reed (Arundo donax) Removal

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- Lightning Talk Celebrate California Invasive Species Action Week
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**4**:30pm - 5:30pm, Oct 27

 Lightning Talk - Case Study: The Mystery of Perennial Pepperweed and Chlorsulfuron in Sierra Valley \*DPR CREDIT\*

**②** 4:30pm - 5:30pm, Oct 27

- Lightning Talk Pollinator Response to the Removal of Giant Reed (Arundo donax) and Restoration Strategies in a Southern California Riparian System \*DPR CREDIT\*
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 Lightning Talk - Tracking Change Over Time in the Calflora Mapping Tool Using History Stacks \*DPR CREDIT\*

**②** 4:30pm - 5:30pm, Oct 27

 Lightning Talk - A Public Data Resource for Tracking Invasive Plants: the Consortium of California Herbaria's CCH2 Portal

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 Lightning Talk - Increasing the Diversity of People and Ecosystems Through Urban Restoration Projects **4**:30pm - 5:30pm, Oct 27

 Lightning Talk - Assessing Chemical Management for the Control of Stinknet (Oncosiphon pilulifer)

**4**:30pm - 5:30pm, Oct 27

## Thu, Oct 28, 2021

## 8:30am

## Session 4: Special Session - Global Biodiversity and Weed Management

② 8:30am - 10:30am, Oct 28

Moderator: Metha Klock, Assistant Professor, San Jose State University

1.0 "Other" DPR CE credit - take quiz after session

#### **♥** Speakers



Metha Klock Assistant Professor, San Jose State University



Arne Witt Regional IAS Coordinator (Africa, Asia and Caribbean), CABI



Jodi Romyn Director, Finance and Operations, Invasive Species Council of BC



Anibal Pauchard Professor, Universidad de Concepción



Elizabeth Wandrag Lecturer in Global Change Biology, University of York



Jaco Le Roux Associate Professor, Department of Biological Sciences, Macquarie University, Sydney, Australia

#### 6 Subsessions

- Plant Invasions and their Management in Africa
  8:35am 8:50am, Oct 28
- Protecting Wild Spaces through Invasive Species Management: A Case Study from British Columbia

**②** 8:50am - 9:05am, Oct 28

 Chile and California: What can we learn from comparing plant invasions across regions and hemispheres?

**②** 9:05am - 9:20am, Oct 28

- Direct Versus Indirect Effects of Invasive Grasses on Native Plant Diversity
  9:20am 9:35am, Oct 28
- How Soil Microbes Drive and Respond to Plant Invasions in Mediterranean Ecosystems: Insights From Australian Acacias.

**9**:35am - 9:50am, Oct 28

Panel Discussion

② 9:50am - 10:30am, Oct 28

## 11:00am

## **Session 5: New Mapping Tools**

**1**1:00am - 12:00pm, Oct 28

Moderated by Drew Kerr, Treatment Program Manager, Invasive Spartina Project

1.0 "Other" DPR CE credit - take quiz after session

ISA Credits available: TW-1.00, CA-1.00, MS-1.00, US-1.00, BCMAM-1.00 Register for credit with link on conference home page

## **♥** Speakers



Brooke Mahnken Operations/GIS Specialist, Maui Invasive Species Committee



Emily Burson San Diego Zoo Wildlife Alliance



Josie Lesage Applied Ecologist, Santa Barbara Botanic Garden

#### 3 Subsessions

 A Tablet-based Data Collection Tool for Invasive Species Mapping. Maui Invasive Species Committee

**②** 11:00am - 11:20am, Oct 28

 Drone Imagery and a Simple Spatial Analysis Technique for Long-term Mapping of Stinknet (Oncosiphon pilulifer)

① 11:20am - 11:40am, Oct 28

Community Scientists Help to Map Post-Fire Recovery on California's Central Coast
 11:40am - 12:00pm, Oct 28

## 1:00pm

## Session 6: Using Drones for Mapping and Control

**1:00pm - 2:00pm, Oct 28** 

Moderated by Scott Oneto, Advisor, University of California Cooperative Extension

1.0 "Other" DPR CE credit - take quiz after session

ISA Credits available: TW-1.00, CA-1.00, MS-1.00, US-1.00, BCMAM-1.00 Register for credit with link on conference home page

#### **♥** Speakers



Maggi Kelly Professor and Cooperative Extension Specialist, UC Berkeley, UC ANR



Greg Crutsinger Customer Success Manager - Agriculture, Planet



Troy Gibbs Application Services Contractor, T&T Endeavors LLC, Rantizo

#### 3 Subsessions

 Making UAVs Part of Your Research Toolkit: Some Common Workflows for Vegetation Mapping

**1:00pm - 1:20pm, Oct 28** 

- Building the Data Pipeline for Managing Drone Layers
  - **②** 1:20pm 1:40pm, Oct 28

 The Use of Drones for Mapping and Treating the Invasive Weed Phragmites in a Wisconsin Wildlife Preserve

**1**:40pm - 2:00pm, Oct 28

## 2:30pm

## Session 7: Invasive Plants and Native Plant Conservation in California (organized by CNPS)

② 2:30pm - 3:30pm, Oct 28

Moderated by Aaron Sims, Rare Plant Program Director, California Native Plant Society

1.0 "Other" DPR CE credit - take quiz after session

### **▼** Speakers



Laura Riege Restoration Manager, The Nature Conservancy



Naomi Fraga Director of Conservation Programs, California Botanic Garden



Marina LaForgia Postdoctoral Fellow, UC Davis & University of Oregon

#### 3 Subsessions

- Restoring Gaviota Tarplant in a Sea of Ice Plant: Challenges and Opportunities
  2:30pm 2:50pm, Oct 28
- Post-Fire Surveys for Rare Plants and Invasives in the San Bernardino Mountains
  2:50pm 3:10pm, Oct 28
- Utilizing Pathways of Invader Dominance to Identify Natives of Concern
  3:10pm 3:30pm, Oct 28

## 4:00pm

## Poster and Lightning Talk Session II

**4**:00pm - 5:00pm, Oct 28

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## **₹** Speakers



Jennifer Perez



Erin Bishop Outreach Coordinator, Oahu Invasive Species Committee



Taylor Edwards M.S. student , California State Polytechnic University, Pomona



Gina Darin Senior Environmental Scientist (Supervisory), California Department of Water Resources



Alex Stubblefield Program Manager, PlantRight



**Don Thomas** Integrated Pest Management Specialist, San Francisco Public Utilities Commision



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William Neill business, Riparian Repairs



Rebecca Nelson UC Davis



Cynthia Powell Executive Director, Calflora



Katie Pearson Data Manager, Arizona State University



Joanna Tang Doctoral student, University of California, Santa Barbara

## 19 Subsessions

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Poster - Exorcists of Invasive Plants, Devil Weed Crew - Oahu, HI \*DPR CREDIT\*

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- Poster The Impact of Small Vertebrate Consumers on Community Assembly in Degraded California Sage Scrub

**2** 4:00pm - 5:00pm, Oct 28

Poster - Keeping a Pulse on the Sale of Invasive Plants in California Retail Nurseries
 \*DPR CREDIT\*

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 Poster - Re-evaluating the Test of the Natural Herbicide Weed Slayer for Management of Invasive Plants \*DPR CREDIT\*

**4**:00pm - 5:00pm, Oct 28

 Lightning Talk - Managing to Promote Biodiversity Across Property Lines in California Central Coast

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 Lightning Talk - Increasing the Diversity of People and Ecosystems Through Urban Restoration Projects

**②** 4:00pm - 5:00pm, Oct 28

 Lightning Talk - Assessing Chemical Management for the Control of Stinknet (Oncosiphon pilulifer)

## Fri, Oct 29, 2021

#### 8:30am

Session 8: Special Session - Invasive Plant Management in California's 30x30 Initiative

② 8:30am - 10:30am, Oct 29

Moderator: Doug Johnson, Executive Director, Cal-IPC

ISA Credits available: TW-1.5, CA-1.5, MS-1.5, US-1.5, BCMAM-1.5

Register for credit with link on conference home page

#### **♥** Speakers



Christina Sloop CA Dept of Fish and Wildlife



Carrie Brown-Lima Director, New York Invasive Species Research Institute, Cornell University



Andrea Williams California Native Plant Society



Tom Robinson Conservation Lands Network Lead, TOGETHER Bay Area



Dick Cameron Director of Science, The Nature Conservancy, California

## 6 Subsessions

California's 30x30 Initiative
 8:35am - 8:50am, Oct 29

Implications of Climate Change for Invasive Species
 8:50am - 9:05am, Oct 29

 All Things to All People: Opportunities to Deliver on the Promise of 30x30 and "Nature-Based Solutions"

**②** 9:05am - 9:20am, Oct 29

- Tracking Metrics: Lessons from the Conservation Lands Network
  9:20am 9:35am, Oct 29
- Conserving a Global Biodiversity Hotspot: Aligning 30x30 Goals at the State and Global Scale

**②** 9:35am - 9:50am, Oct 29

Panel Discussion

#### 11:00am

## Discussion Groups / Workshops for Management (concurrent sessions)

**1**1:00am - 12:00pm, Oct 29

Discussion Group 1: 1 HR Other Discussion Group 2: 1 HR Other Discussion Group 3: 1 HR Other Discussion Group 4: 1 HR Other

#### 6 Subsessions

Discussion Group 1 - Managing Grasslands (organized by CNGA)
 11:00am - 12:00pm, Oct 29

- Discussion Group 2 When the Smoke Clears: Controlling Weeds After Wildfire
  11:00am 12:00pm, Oct 29
- Discussion Group 3 Weed Control Using Herbicides
  11:00am 12:00pm, Oct 29
- Discussion Group 4 Weed Control Using Non-Chemical Techniques
  11:00am 12:00pm, Oct 29
- Discussion Group 5 Tracking Weeds in Calflora Updates and Q&A
  11:00am 12:00pm, Oct 29
- Grant Funding, Grantsmanship, and Building Successful Funding Partnerships
  11:00am 12:00pm, Oct 29

## 1:15pm

## Golden Weed Wrench award presentation, in memory of Ken Moore

**②** 1:15pm - 1:30pm, Oct 29

We will present the Golden Weed Wrench to this year's winner, and remember a Cal-IPC great who passed away this year, Ken Moore of the Wildlands Restoration Team out of Santa Cruz.

Video in Memory of Ken Moore

Moderator: Doug Johnson, Cal-IPC

## 1:30pm

#### Session 9: Restoration and Invasive Plants (organized by SERCAL)

**②** 1:30pm - 2:30pm, Oct 29

Moderator: James Mizoguchi, Biologist, Triangle Properties

ISA credits available: TW-1.00, CA-1.00, MS-1.00, US-1.00, BCMAP-1.00

Register for credit with link on conference home page

### **♥** Speakers



**Brad Hanson** Cooperative Extension Weed Specialist, UC Davis



Sarah Gaffney Graduate Student Researcher, UC Davis



Mark Mazhnyy Masters Student, Cal Poly Pomona

#### 3 Subsessions

- Herbicide Symptomology Refresher for Restoration Practitioners
  1:30pm 1:50pm, Oct 29
- Plant-Soil Feedbacks: the Benefit of Field-Based Community Level Study in Uncovering Their Role in Restoration

**②** 1:50pm - 2:10pm, Oct 29

 Using Plastic Tree Shelters and Mechanical Weeding to Improve Post-Fire Restoration of Highly Invaded Plant Communities.

② 2:10pm - 2:30pm, Oct 29

## 3:00pm

## Session 10: Lessons Learned in Managing Invasive Plants

② 3:00pm - 4:00pm, Oct 29

Moderator: Jutta Burger, Cal-IPC

1 HR DPR credit (OTHER). Quiz link provided at end of session.

#### **▼** Speakers



Jason Giessow Principal Ecologist, DENDRA Inc.



Chris McDonald Advisor, University of California Cooperative Extension



Hailey Laskey Preserve Manager, Center for Natural Lands Management

#### 3 Subsessions

 Giant reed (Arundo donax) Control on the San Luis Rey River Watershed from 2000 to 2021- Persistence, Perspective and Patience (Transformation, but Still on the Wheel)

② 3:00pm - 3:20pm, Oct 29

 Lessons Learned after a Decade of Managing and Monitoring Stinknet (Oncosiphon pilulifer) across Southern California

② 3:20pm - 3:40pm, Oct 29

Challenges Managing the Novel Large-Scale Invasion of Stinknet (Oncosiphon pilulifer) Post-Fire on the Santa Rosa Plateau Ecological Reserve
 3:40pm - 4:00pm, Oct 29

## 4:00pm

## Closing

**4**:00pm - 4:15pm, Oct 29

**♥** Speaker



**Doug Johnson** Executive Director, California Invasive Plant Council

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