



First International Conference on Environmental Peacebuilding



Environmental
Peacebuilding
in Colombia



Technology
& Innovation



Causes
of Conflict



Peacebuilding
in a Changing
Climate



Governance, Law,
& Conflict Prevention



Mediation
& Peacemaking



Gender



Post-conflict
Peacebuilding



23 - 25 October 2019
University of California, Irvine
California, USA



Acknowledgments

Conceptualizing, planning, and convening this conference has been an incredible experience. One of the most exciting things about the conference has been all the people who worked so hard to make it happen.

The Organizing Committee included Jacqueline Kessler and Zabrina Welter (our tireless Conference Administrators), McKenna Coffey, Ruth Gyllenhammer, Ellen Kern, and Sierra Killian, and was led by Erika Weinthal, Richard Matthew, and Carl Bruch. They were supported by many individuals, including: Rollin Bresson, Elizabeth Hessami, Tara McClanahan, Jessica Oo, Liliana Pimentel, and Joel Young.

Graham Campbell designed the conference materials and website.

The Scientific Committee was responsible for proposing the themes of the conference and reviewing proposed sessions, presentations, and posters. Shown on page 10, the Scientific Committee included: Ángela María Amaya Arias, Carl Bruch, Silja Halle, Anne Hammill, Tobias Ide, David Jensen, Philippe Le Billon, Richard Matthew, Elizabeth Sellwood, Juha Siikamaki, and Erika Weinthal.

The Awards Committee—comprising Philippe Le Billon (chair), Saleem Ali, and Rebecca Farnum—structured the awards, established the criteria, solicited nominations, reviewed the nominations, and selected the recipients of this conference's awardees. Rachel Stern provided invaluable support to the Committee throughout the process.

Our sponsors provided invaluable in-kind and financial support, especially to bring participants from conflict-affected countries. Shown on the back cover, the sponsors included:

- Champions: Environmental Law Institute, the Blum Center for Poverty Alleviation of the University of California, Irvine, and the Living Peace Institute.
- Benefactors: UN Environment and the UN Development Programme
- Supporters: the Woodrow Wilson International Center for Scholars and the Geneva Peacebuilding Platform
- Friends: UN Women, the Duke University Center for International and Global Studies, the Martin Dickinson Charitable Foundation, and an anonymous donor

One of the exciting aspects of this conference is the diversity of ways that people are engaging with environmental peacebuilding. We are particularly grateful to Jason Houston for curating the Photographic Exhibition (Environment + Conflict + Peace) and to Perla Batalla and the House of Cohen for the Concert for Compassion.

Finally, we are grateful to all of you who have committed financial resources, time, and effort to join us here in Irvine for the First International Conference. We have been inspired by the number of people who have joined us from all over the world. So many people have contributed in so many ways! It gives us great hope for future conferences and for the future of environmental peacebuilding.

Cover photograph: Illegal gold mining in Colombia (c) UNEP 2017.



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Welcome

Dear Friends and Colleagues,

On behalf of the Environmental Peacebuilding Association, we welcome you to the First International Conference on Environmental Peacebuilding at the University of California, Irvine. We are excited to host a diverse range of scholars, practitioners, activists, and students from more than 30 countries, and we look forward to the diverse insights and contributions that you will share over the next three days.

The linkages between environment, conflict, and peace have been the subject of research, practice, and policy for more than a half-century. Together, we have identified the importance of the environment in conflict prevention, mitigation, and recovery. Our work has enhanced efforts to recover from war, informed the signing of landmark peace agreements, and improved understanding of how climate change will affect the future conflict landscape. While there have been many examples of collaboration, our work has often been fragmented and piecemeal, with many diverse and independent contributions combining to generate the groundswell that brought us to where we are today.

Scholars and practitioners are now weaving together the wide variety of threads that make up environmental peacebuilding, linking distinct areas of thought and practice toward the broader goals of sustainable peace and sustainable development. This conference marks a landmark step in the integration of this dynamic and diverse field of study. We hope that the creation of this space to share experiences and learn from each other will be instrumental in furthering the field of environmental peacebuilding.

This conference features an exciting lineup of presentations, roundtable discussions, skill-building sessions, and much more covering key themes of environmental peacebuilding. The conference has been designed to provide diverse opportunities for dialogue, development, and collaboration.

We are grateful for the generous contributions of many institutions and individuals. Our sponsors have contributed essential in-kind and financial support. The Scientific Committee provided intellectual guidance and rigor. Our amazing team of volunteers and staff have worked tirelessly and cheerfully for more than a year to make the vision a reality. And you, the conference participants, have committed time, money, and effort to join us and contribute. This is a community effort, and the breadth and scale of contributions are inspiring!



This conference is an important launch point. The next in the series of biennial conferences will be in early summer 2021, so keep it in mind as you plan your research agendas (and travel budgets). In addition, we anticipate interim events in 2020 related to Colombia—one of the themes of this conference. Through these events, Interest Groups, and other activities, we encourage you to continue connecting, sharing, learning, and collaborating through the Environmental Peacebuilding Association.

Today, tomorrow, and beyond, let's make the environment a cause of peace!

Erika Weinthal
Vice President

Richard Matthew
Vice President

Carl Bruch
President



Engaging through the Environmental Peacebuilding Association

The Environmental Peacebuilding Association emerged from the recognition that an integrated approach to the environment, conflict, and peace is critical for countries and communities around the globe. The Association grew organically from a series of ad hoc initiatives, as people recognized the need for a more enduring means for sustaining exchange, learning, and capacity building.

On April 22, 2018, we formally launched the Association with three overarching goals:

- foster **knowledge** development and exchange;
- build **capacity** and awareness; and
- strengthen **relationships** between scholars, practitioners, and decision makers working on issues related to environment, conflict, and peace.

Eighteen months later, the Environmental Peacebuilding Association has almost 400 individual members and 17 institutional members from 58 countries. New members hail from Tunisia, South Korea, Peru, Chile, Niger, United States, Kenya, Switzerland, and Costa Rica. The Association membership bridges generations, and includes people with decades of experience, young professionals, and students (23% are students).

The Environmental Peacebuilding Association is extremely grateful for the support of all our members. If you are not yet a member, we hope that you will join us for the next year and into the future as we continue to develop the field of environmental peacebuilding. If you are already a member, consider having your organization join as an institutional member, and encourage your colleagues to join. Benefits of membership include:

- **Opportunities to meet, exchange, learn from, and work with others** in the field through Interest Groups, the biennial International Conference on Environmental Peacebuilding, webinars, and other events.
- **Access to resources** on environment, conflict, and peace, including archived webinars, the Membership Directory, and information on professional opportunities. The Association is developing a peer-reviewed journal, which will be made available to members on a preferential basis.
- **Advance learning.** The Association is developing a series of activities to build the evidence base on specific issues related to environment, conflict, and peace, and Members will have the opportunity to be actively engaged in these activities.
- **Opportunities to disseminate** publications and other materials through the Environmental Peacebuilding Update, webinars, and other means.

For more information on membership, please see <https://environmentalpeacebuilding.org/membership/>. This is an exciting time to be working in the field. For environmental peacebuilding to thrive, though, we need to broaden and deepen engagement with the broader community of researchers, practitioners, activists, students, and decision makers.



Board of Directors of the Environmental Peacebuilding Association



Carl Bruch
President



Erika Weinthal
Vice President



Richard Matthew
Vice President



Päivi Lujala
Treasurer



Philippe Le Billon
Director



Geoff Dabelko
Director



Anne Hammill
Director



David Jensen
Director



Katie Peters
Director



Britta Sjöstedt
Director



Janani Vivekananda
Director



Mentorship with the Environmental Peacebuilding Association

The Environmental Peacebuilding Association (EnPAX) was established in part to grow the network of professionals working in the management of natural resources in conflict-affected settings. Mentoring the new generation of researchers, practitioners and decision makers is central to this mission. The Young Professionals Interest Group (YPIG) is setting out to facilitate mentorship opportunities between EnPAX members as part of its mandate to support individuals entering or working in the field of environmental peacebuilding. Currently, the YPIG is developing a structured, multi-stage mentorship program scheduled to debut in late 2019. In the meantime, we have worked to ensure mentorship opportunities were incorporated into this year's conference. Below find some recommendations to best utilize your time at the conference in expanding your professional network and jumpstarting your career!

Opportunities at the Conference:

- **Training Sessions**
October 23, 9:00am-1:00pm | Various rooms around Beckman Center
Learn from experts in the field covering everything from rapid environmental impact assessments to the important role women play in natural resource management. Pre-registration required.
- **Women's Leadership Lunch**
October 24, 12:45pm-2:00pm | Newport
Hosted by the Gender and Young Professionals Interest Groups, this luncheon brings together the two interest groups to encourage networking and connections between established and emerging female leaders in the field. Pre-registration required.
- **Session 4D: Career Focus: Resume Review Workshop**
October 24, 2:00pm-3:30pm | Back Bay
In this session, attendees will have the opportunity to consult with experts from across academia, international NGOs, and the UN on how to improve their resume and leverage new opportunities that will propel them in their careers. Come with your resume in hand!
- **Poster Session and Photography Exhibition**
October 24, 5:30pm-7:30pm | Foyers and Halls
Get inspired, make new introductions, and meet your peers.
- **Interest Group Breakfast**
October 25, 7:45am-8:45am | Dining Room
Grab some coffee and meet new people who have similar interests to you in the EnPAX field!
- **Mentorship 101 Pinboard | Throughout the Conference | Foyer**
Do you have advice for fellow conference attendees entering the field of environmental peacebuilding? Are you looking for tips? Visit our Mentoring 101 pinboard during breaks to post ideas and read what others have pinned.



Mentorship Tips & Tricks

Here are some thoughts from the Young Professional Interest Group (YPIG) on how to start and build a mentorship arrangement, possibly right here at the EnPAX conference!

For potential mentees:

- Find and connect with members of the YPIG to join in on our calls, events, and resource sharing!
- Have a goal already envisioned for yourself on what you would like to get out of a mentorship arrangement. The more clear the goal is, the better! Then start discussing this goal with fellow conference attendees. (Ideas: Improving facilitation skills, getting published by the end of the year, expanding your technical knowledge on water resource management, etc.)
- If you feel uncomfortable approaching a potential mentor alone, find a colleague to make introductions together.
- Be ready with a business card or slip of paper with your number and email address already jotted down to avoid the nerves of finding a pen or legibly writing in a hurry.
- Remember that just because someone has your dream job, it does not mean that they would be a good mentor. Think outside the box when looking for mentors. Introduce yourself to many people and spend time on initial conversations to better evaluate who you think would be a good fit, based on your personalities, career goals, geography, availability, etc.
- Follow up via email but keep in mind they have a busy schedule like you, so meeting right away may not be realistic.

For interested mentors:

- Be open and available to talk to young or mid-level professionals who are genuinely interested in your career path and experience.
- Think of activities or opportunities that would have been (or were) useful to you as you made your way into environmental peacebuilding and suggest those as options for growth.
- Be upfront about your availability and preferred frequency for meetings, as well as expectations and an understanding of what you are working toward in the partnership.
- Once you have built a rapport with a mentee, challenge them to actively grow and go outside their comfort zone.



Scientific Committee



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Elizabeth Sellwood
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Logistics

Venue

The conference will be held at on the campus of the University of California, Irvine.

Most of the activities will be at the Beckman Center of the National Academies of Sciences and Engineering (100 Academy Way, Irvine, CA 92617).

The Environmental Peacebuilding Gala will be held at the Barclay Theatre (4242 Campus Dr, Irvine, CA 92612).

A campus map and the floor plan for the Beckman Center are provided at the back of this brochure.

Transportation to Irvine

The closest airport to the Beckman Center is John Wayne (SNA) International Airport. Other local airports include Long Beach (LGB) and Los Angeles (LAX) International.

The following transportation services are available at all three local airports:

- Super Shuttle: Book online at supershuttle.com
- United Black Car: Request a quote at affordableairportcarservices.com
- Uber/Lyft: Book through your smartphone app
- ShuttleFare (800-851-4528) is offering a \$5 discount off airport shuttle transportation to and from Airport and your Hotel. To book a reservation:
 - Visit www.shuttlefare.com, select your arrival airport, and enter the coupon code.
 - Coupon Code = EPB2019 (enter code on bottom right of checkout page before submitting payment)
 - Once you complete your reservation an email confirmation will be sent to you and this will be your travel voucher for your airport transportation. It will also include instructions on where to meet your shuttle when you arrive at the airport as well as any important phone numbers for the day of travel.

Please note that expected transit costs from LAX to Irvine are between \$75-100 for a private van. Super Shuttle also offers a ride share option, which can help curb costs.

Transportation in Irvine

To get to and from the conference venue, participants are encouraged to use ride sharing services such as Lyft and Uber. Where possible, please share with other conference participants.

For those who have cars, parking is available on-site at the Beckman Center at no charge. The parking consists of 172 regular spaces, 5 handicapped spaces, and 100 overflow spaces.



Registration/Check-in

All participants are required to check in to get their badge, which will provide access to the conference. At that time, participants will also receive a conference tote bag with materials. Check in opens at 8:00 am on Wednesday, October 23. The registration table also functions as the information table throughout the conference.

Bring Your Water Bottle!

To help reduce the waste produced at this conference, we advise all attendees to bring reusable water bottles. Fill-up stations will be provided throughout the Beckman Center. We thank you for supporting our waste-reduction efforts.

Insurance and Liability

The Environmental Peacebuilding Association, the organizing committee, and the venue will not be responsible for medical expenses, accidents, losses or other unexpected damage to property belonging to conference participants, either during or as a result of the conference and during all tours and events. Participants are strongly advised to arrange their own insurance for health and accident, lost luggage, and trip cancellation.

Accessibility

Participants were asked before the conference whether they needed any particular accommodations, and the Organizing Committee has made accommodations accordingly. If you have other needs that are not yet met, please let the conference organizers know as soon as possible.

Weather

Weather in Irvine, California is mild in October. Highs average 79°F / 26°C, and lows average 56°F / 13°C. There is on average 1 day of rain in October.

Meals

The following meals are included in your registration fee:

- Wednesday lunch (for those participating in the trainings)
- Thursday breakfast (for those participating in the EnPAx Member Meeting)
- Thursday coffee breaks (morning and afternoon)
- Thursday lunch
- Thursday hors d'oeuvres (at the reception)
- Friday breakfast (for those participating in the EnPAx Interest Group Meetings)
- Friday coffee breaks (morning and afternoon)
- Friday lunch

Anti-Discrimination, Harassment, and Retaliation Policy

The Environmental Peacebuilding Association is committed to providing a safe environment so that everyone is free from discrimination on any grounds and from harassment, including sexual harassment, in Association forums and events. The Association enforces a zero-tolerance policy for any form of discrimination or harassment in Association-sanctioned activities, treats all incidents seriously, and promptly investigates all allegations of



discrimination or harassment. All complaints of discrimination or harassment will be taken seriously and treated with respect and in confidence.

The Association's Anti-Discrimination, Harassment, and Retaliation Policy is available at <https://environmentalpeacebuilding.org/association/key-documents/>.

If you believe you have been subject to discrimination, harassment, or retaliation and would like to take action, you may choose to do any or all of the following:

1. Report incidents to the Environmental Peacebuilding Association at incidents@environmentalpeacebuilding.com or by contacting the phone numbers provided at the registration table. NOTE: Every effort will be taken to maintain confidentiality, although confidentiality cannot be guaranteed.
2. For emergencies or to report a crime: Call or text 911
3. Contact UC Irvine's 24-hour non-emergency line: (949) 824-5223

Additional information:

- UCI Police Department: <https://police.uci.edu/>
- UCI Office of Equal Opportunity and Diversity: <http://oeod.uci.edu/>
- UCI Sexual Violence Prevention & Response: <http://sexualviolence.uci.edu/>

Audio/Video Policy

Photographs and videos are taken at the conference by the officers, staff, members, registrants, contractors, and affiliates for use by the Environmental Peacebuilding Association. By registering for and attending this conference, you agree to allow the Environmental Peacebuilding Association and/or its affiliates to use the photographs and videos at public or official activities.

Meeting Spaces

Do you need a space for interviews, meetings, or other purposes? There are three small offices/meeting rooms available: one on the ground floor (Meeting Room A), and two upstairs (Meeting Rooms B and C). There are sign-up sheets on the door. There is a 1-hour limit. If you have any questions or issues, please contact Ellen Kern at the registration table.

Need help?

If you have questions, concerns, or need help, please:

1. Ask a conference organizer (designated on their badges).
2. Stop by the registration table.
3. Email conference@environmentalpeacebuilding.org.
4. Call Sierra Killian at +1-240-244-9319.

For emergencies, call 911.



Courtesy of UNDP

Conference Themes

Environmental peacebuilding brings together a wide range of issues at the intersection of environment, conflict, and peace. It provides a conceptual and operational framework to improve understanding and practice.

The First Conference on Environmental Peacebuilding has two special themes:

- Environmental Peacebuilding in Colombia
- Technology & Innovation

And six general themes:

- Governance, Law, and Conflict Prevention
- Peacebuilding in a Changing Climate
- Causes of Conflict
- Mediation and Peacemaking
- Gender
- Post-conflict Peacebuilding

Panels, roundtables, presentations, posters, and other portions of the conference address these themes in various ways, and many address the intersection of two or three themes. In addition, other contributions extend beyond these themes to address other important issues in environmental peacebuilding, such as education, conceptual frameworks, the role of the private sector, and monitoring and evaluation.



Courtesy of UNDP

Environmental Peacebuilding in Colombia

Until the 2016 peace agreement, Colombia had been home to the longest running armed conflict in the world. Generations grew up in a conflict-affected environment. The peace agreement did not create peace overnight. Indeed, the standing down of the FARC created a power vacuum into which organized crime and militias have expanded. Illegal logging, gold mining, and ranching have proliferated. Communities suffer from land grabbing, and environmental defenders are targeted.

Colombia is rich in agricultural land, minerals, hydrocarbons, forests, biodiversity, and other natural resources. Grievances over inequitable distribution of land helped drive the conflict, agricultural products such as coca helped finance it, and targeting oil pipelines made the environment a casualty of conflict. Natural resources also provide opportunities to build and consolidate peace. Reintegration of excombatants depends on finding alternative livelihoods. Grievances over access to land and other resources persist.

Throughout the conference, practitioners and researchers examine the diverse challenges, opportunities, and innovations of environmental peacebuilding in Colombia. They consider the underlying causes of the conflict, and potential solutions. The contexts vary from extractive industries to land to renewable resources, at the local, subnational, and national levels. Presenters also examine opportunities to learn from experiences in other contexts to help Colombia provide jobs for ex-combatants, stabilize economic growth, and chart a sustainable path forward.



Environmental
Peacebuilding
in Colombia

3

Sessions

23

Presentations

27

People

7

Countries



Courtesy of UNDP



Technology
& Innovation

3

Sessions

12

Presentations

13

People

7

Countries

Technology & Innovation

We live in an era in which a wide range of technologies have transformed and disrupted economic, social, and environmental dynamics. While some present a challenge to environmental peacebuilding efforts, many can be used to promote both social and environmental goals.

Remote sensing can help identify environmental damage during armed conflict, especially in areas where it may be difficult for environmental experts to access due to ongoing hostilities. It also has the promise of informing the location and operation of humanitarian operations to be more resilient to floods and other natural disasters. Drones can be used to detect poachers, survey landscapes, and provide real-time information on migration in conflict zones.

Advanced weather modeling is helping to predict droughts and other extreme weather events, enabling and informing measures to prevent famines that can destabilize countries.

Social media can be mined to provide early warning of social tensions around natural resources and identify flashpoints.

Environmental peacebuilding presents a problem-rich environment in which these tools provide both promise and peril. To take advantage of the breadth of emerging technological tools, it is necessary to address key challenges, including ensuring that those who need the data and tools have the means of accessing them, and ensuring that they have the hardware, software, and personnel capacity to utilize the tools and process the data.

In the conference, practitioners and researchers will explore diverse technological tools and approaches that have been deployed to help build peace, from modeling to remote sensing to mapping.



Causes of Conflict

3

Sessions

14

Presentations

15

People

6

Countries

Conflict is unavoidable. People have different—conflicting and competing—needs, views, and priorities. The escalation to violent or armed conflict is avoidable, though. Recognizing that there are many contributing causes of conflict, including social, political, and economic factors, disputes over natural resources and environmental hazards are often a contributing cause. Understanding the drivers of conflict and how the environment can be used as a mitigation tool is therefore crucial for peacebuilding efforts.

In sessions throughout the conference, researchers and practitioners will address a range of topics, from conflict-sensitive conservation to a comprehensive understanding of the conflict cycle.



Peacebuilding in a Changing Climate

6

Sessions

29

Presentations

30

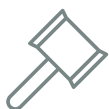
People

10

Countries

Climate change is a threat multiplier with the potential to exacerbate existing tensions, putting already vulnerable peoples at increased risk. As hydrological variability, storm severity, and other climate impacts increase, there will be an ongoing need to integrate climate change adaptation into environmental peacebuilding solutions. Moreover, efforts to adapt and build a renewable energy economy can generate new conflicts.

At the conference, researchers and practitioners will examine a range of topics, from the climate-conflict-disaster nexus to the relationship between climate and migration. They will share regional, national, and local experiences and highlight innovative solutions from around the world.



Governance, Law, and Conflict Prevention

8

Sessions

48

Presentations

50

People

20

Countries

The research is clear: natural resources do not cause conflict; poor governance causes and exacerbates conflict. As a result, environmental peacebuilding focuses on improving governance to prevent, end, and recover from conflict. Good governance spans the cultural, political, social, and economic dimensions of a society. Governance includes legal, institutional, and practical dimensions.

Governance cuts across the themes and analyses at the conference, often combining with other themes, such as Colombia, gender, and climate change. At the conference, participants will consider the legal protections of the environment in relation to armed conflict broadly and in specific situations (such as Afghanistan, Iraq, and Colombia). Future pathways for improving governance will be analyzed, with a focus on potential solutions.



Mediation and Peacemaking

3

Sessions

20

Presentations

21

People

11

Countries

A growing body of experience in mediating and resolving environmental disputes offers an opportunity to reflect on what works under which circumstances. In some cases, natural resources can provide an incentive for peace. In others, their resolution is essential to making peace. Environmental mediation can be effective on a variety of scales, from the community to the international levels, and can include activities ranging from informal trust-building to formal treaty negotiations.

In the conference, researchers and practitioners will examine approaches and lessons in conflict-resolution and mediation, demonstrating the importance of and opportunities for mediation in environmental peacebuilding processes.



Gender

3

Sessions

8

Presentations

9

People

6

Countries

Women and girls play critical roles in the effective management of natural resources; they also disproportionately face negative consequences associated with conflict, natural disasters, and marginalization from governance. In recent years, it has become clear that women's agency is central to gender mainstreaming. Research and experience have shown that projects are more effective and sustainable when women are involved.

At the conference, researchers and practitioners will share experiences in empowering women in peacebuilding to using integrated analysis to understand the gendered use of natural resources. In addition to panel presentations on gender-responsive work, there is also a Women's Leadership Lunch and a meeting of the EnPAX Gender Interest Group.



Post-conflict Peacebuilding

6

Sessions

21

Presentations

26

People

10

Countries

Societies transitioning from conflict to peace face considerable obstacles. Resource-rich countries are especially at risk of further degrading the environment and relapsing to conflict. When managed effectively, natural resources provide many opportunities to consolidate post-conflict peace. Improved natural resource governance can build sustainable livelihoods, help reintegrate excombatants, rebuild the economy and provide government revenues, and provide basic services. They also provide opportunities for dialogue, cooperation, and trustbuilding.

Building on a growing body of experiences in post-conflict peacebuilding and natural resource management, researchers and practitioners from diverse contexts will add their own experiences and lessons and start to provide a conceptual framework for contextualizing the diverse dynamics and solutions.



Agenda

Wednesday 23 October

Early Registration

8:00am – 9:00am, Foyer, Beckman Center

Trainings (pre-registration required)

9:00am – 1:00pm

Conflict-Sensitive Conservation

9:00am – 1:00pm, Back Bay

Faculty: **Alec Crawford**, International Institute for Sustainable Development (Canada)

Open Source Tools for Collecting, Managing, and Visualizing Data for Environmental Peacebuilding

9:00am – 1:00pm, Huntington

Faculty: **David Jensen**, UN Environment (Switzerland)
Olivia Lazard, Peace in Design Consulting Ltd. (Belgium)

Qualitative Comparative Analysis (QCA) in Research on Environment, Conflict, and Peace

9:00am – 1:00pm, Newport

Faculty: **Tobias Ide**, University of Melbourne (Germany)
Charles Ragin, UC Irvine (USA)

Rapid Environmental Impact Assessment in Peacebuilding Processes

9:00am – 1:00pm, Balboa

Faculty: **Charles Kelly** (USA)

Transforming Complex, Deep-Rooted Conservation Conflicts: An Orientation Workshop

9:00am – 1:00pm, Board Room

Faculty: **Francine Madden**, Center for Conservation Peacebuilding (USA)
Samantha Garvin, Center for Conservation Peacebuilding (USA)

Co-development of Advanced Spatial Models and Visualization Tools for Peacebuilding

9:00am – 1:00pm, Emerald Bay

Faculty: **Brett Sanders**, UC Irvine (USA)
Amir AghaKouchak, UC Irvine (USA)
Jochen Schubert, UC Irvine (Italy)



Science and Practice of Compassion

9:00am – 1:00pm, Laguna

Faculty: **Nancy Guerra**, UC Irvine (USA)
Paul Piff, UC Irvine (USA)

Women and Natural Resources: Unlocking the Peacebuilding Potential in the Context of Climate Change

9:00am – 1:00pm, Catalina

Sponsored by the EnPAX Gender Interest Group

Faculty: **Silja Halle**, UN Joint Programme on Women, Natural Resources, Climate and Peace (Switzerland)
Molly Kellogg, UN Joint Programme on Women, Natural Resources, Climate and Peace (USA)

Lunch (for participants of the training sessions)

1:00pm – 2:00pm, Food trucks in front of the Beckman Center

Registration

1:00pm – 2:00pm, Foyer, Beckman Center

Welcome and Opening of Conference

2:00pm – 2:50pm, Auditorium

Moderator: **Richard Matthew**, University of California, Irvine (USA)

Panelists: **Inger Anderson**, Executive Director, UN Environment Programme (Denmark) (via video)
Carl Bruch, President, Environmental Peacebuilding Association (USA)

Session 1: High-Level Panel on the Importance of Environmental Peacebuilding

3:00pm – 4:30pm, Auditorium

Moderator: **Erika Weinthal**, Duke University (USA)

Panelists: **Carl Bruch**, Environmental Peacebuilding Association (USA)
Sherri Goodman, Woodrow Wilson International Center for Scholars; Former Deputy Undersecretary of Defense (Environmental Security) (USA)
Silja Halle, UN Environment (Switzerland)
James Orbinski, Dahdaleh Institute of Global Health Research, York University; Former President of Médecins Sans Frontières (Canada)
Ashok Swain, Uppsala University (Sweden)

Group Photo

4:30pm – 4:45pm, In front of the Beckman Center

Transportation to the Barclay Theatre

4:45pm – 5:15pm, From the front of the Beckman Center

Dinner Break

5:15pm – 6:15pm (meal options available for purchase at University Center, across from the Barclay Theatre)



Doors open at the Barclay Theatre

6:00pm, Barclay Theater

Environmental Peacebuilding Gala and Awards

6:30pm – 7:30pm, Barclay Theatre

Intermission

7:30pm – 8:00pm, Barclay Theater

House of Cohen – A Concert for Compassion, featuring Perla Batalla

8:00pm – 9:30pm, Barclay Theater

Thursday 24 October

Environmental Peacebuilding Association Member Meeting (working breakfast)

7:30am – 8:45am, Dining Room

Environmental Justice as an Instrument for Peacebuilding in Colombia

9:00am – 9:30am, Auditorium

Presenter: **Gloria Amparo Rodríguez**, Universidad del Rosario School of Law, Justice of the Special Jurisdiction for Peace (Colombia)

Session 2: Early Linkages in Environment, Conflict, and Peace

9:30am – 10:45am, Auditorium

Moderator: **Richard Matthew**, UC Irvine (USA)

Presenters: **Ken Conca**, American University (USA)

Anne Hammill, International Institute for Sustainable Development (Canada)

Elaine (Lan Yin) Hsiao, IUCN CEESP Theme on Environment and Peace (USA)

Mark Halle, International Institute for Sustainable Development (Switzerland)

Coffee Break

10:45am – 11:15am

Session 3-A: Colombia at the Verge of Post-Conflict Environmental Peacebuilding – Taking Stock of the Scientific and Empirical State of the Art

11:15am – 12:45pm, Auditorium

Chair: **Mark Halle**, International Institute for Sustainable Development (Switzerland)

Presenters: *The Nature of Peace: An Interdisciplinary Enquiry into Research at the Intersection of Nature, Peace and Post-Conflict*

Maria Andrea Nardi, Lund University (Argentina/Sweden)

Green Peace or Predator Peace? The Environmental Challenges and Sustainability of the Peace Accords with the FARC

Miguel Alberto Londoño, Global Green Growth Institute (Colombia)

Improving the Rule of Law in the Environmental Sector for Conflict Prevention



Viviana Martinez-Pulido, United Nations Development Programme (Colombia)
The Challenges of Environmental Governance in a Post-Conflict Setting for the Indigenous Peoples of the Colombian Amazon
Paloma Vejarano-Alvarez, University of Technology Sydney (Australia)

Session 3-B: Innovative Technologies for Environmental Peacebuilding

11:15am – 12:45pm, Huntington

Chair: **Bill Tomlinson**, UC Irvine (USA)

Presenters: *Information and Technologies for the Consolidation of Peace Processes in Colombia: The Case of Northern Cauca*

Kevin Reyes, Universidad del Valle (Colombia)

The Contribution of Spatial Information in Conflict Prevention over Transboundary Water Resources in South America

Liliana Pimentel, Universidade de Brasilia (Brazil)

Monitoring Environmental Impacts of Conflict: An OSINT Approach

Wim Zwijnenburg, PAX International/Bellingcat (Netherlands)

Environmental Security Hotspot Monitoring Platform Powered by MapX

David Jensen, UN Environment (Switzerland)

Session 3-C: Protecting the Environment in Relation to Armed Conflicts: Legal Dimensions (I)

11:15am – 12:45pm, Newport

Sponsored by the EnPAX Law Interest Group

Chair: **Ángela María Amaya Arias**, Universidad Externado de Colombia (Colombia)

Presenters: *An Overview of the Work of the International Law Commission on Protection of the Environment in Relation to Armed Conflicts*

Marja Lehto, International Law Commission (Finland)

Transforming Laws to Transform Conflict: Mapping Socio-legal Frameworks for International, Social and Ecological Peace

Elaine (Lan Yin) Hsiao, IUCN CEESP Theme on Environment and Peace (USA)

Codifying the Law in the Protection of the Environment in Relation to Armed Conflict

Stavros-Evdokimos Pantazopoulos, Conflict and Environment Observatory (Greece)

Session 3-D: Approaches to Prevent and End Environmental Conflicts

11:15am – 12:45pm, Back Bay

Chair: **Jumaina Siddiqui**, United States Institute of Peace (USA)

Presenters: *Ethnographic Mapping for Inclusive Environmental Mediation in Areas with High Levels of Return Migration*

Nicolas Parent, McGill University (Canada)

Unearthing Synergies: Land Restoration and the Transformation of Pastoralist-Farmer Conflict in Semi-arid Africa

Alan Channer, EverGreening Global Alliance (UK)

Wolves in Washington: Insights from a Multi-Year Conflict Intervention

Francine Madden, Center for Conservation Peacebuilding (USA)

Environmental Peacebuilding in Contested Ocean Areas

Anastasia Telesetsky, University of Idaho (USA)



Session 3-E: Conceptual Frameworks for Environmental Peacebuilding

11:15am – 12:45pm, Board Room

Chair: **Michael Beevers**, Dickinson College (USA)

Presenters: *Environmental Security in Post-Conflict Peacebuilding in the Western Balkans*

Emma Hakala, Finnish Institute of International Affairs (Finland)

Weavers of Life: A Commitment for the Peace Ecology, Education and Reconciliation from the New Generations

Alejandra Cely, Fundación Proterra (Colombia)

Vanessa Ospina Mesa, Fundación Proterra (Colombia)

Peacebuilding through Consultation

Jacqueline Hand, University of Detroit Mercy (USA)

The Triple Nexus of Gender Inequality, State Fragility, and Climate Vulnerability

Seline Meijer, IUCN (Netherlands)

Environmental Peace and Climate Change: Peace and Conflict Studies at the Edge of Transformation

Judith Nora Hardt, Hamburg University (Germany)

Session 3-F: Breaking the Silos and Leveraging Financial Resources: What's Next for Environmental Peacebuilding?

11:15am – 12:45pm, Balboa

Moderator: **Heloise Heyer**, PeaceNexus (Switzerland)

Panelists: **Maria Bang**, Swedish Environmental Protection Agency (Sweden)

Adam Forbes, British Embassy Colombia (United Kingdom)

Astrid Hillers, Global Environment Facility (USA)

Session 3-G: Water as a Threat and an Opportunity: A Solutions-Oriented Roundtable Discussion on the Role of Water in Building Peace and Preventing Conflict

11:15am – 12:45pm, Catalina

Moderator: **Kelly Bridges**, Global Water 2020 (USA)

Panelists: **Lauren Herzer-Risi**, Woodrow Wilson International Center for Scholars (USA)

Benjamin Pohl, adelphi (Germany)

Gidon Bromberg, EcoPeace Middle East (Israel)

Larry Swatuk, University of Waterloo (Canada)

Peter Gleick, Pacific Institute (USA)

Lunch

12:45pm – 2:00pm, Dining Room

Women's Leadership Lunch (pre-registration required)

12:45pm – 2:00pm, Newport

Sponsored by the EnPax Gender and EnPax Young Professionals Interest Groups



Session 4-A: Empowering Women through Environmental Peacebuilding: Lessons from Sudan and Colombia

2:00pm – 3:30pm, Auditorium

Sponsored by the EnPAX Gender Interest Group

Chair: **Silja Halle**, UN Environment (Switzerland)

Presenters: *Environmental and Gender Perspectives in Colombia's Peace Agreement*

Gloria Amparo Rodríguez, Universidad del Rosario School of Law, Justice of the Special Jurisdiction for Peace (Colombia)

Empowering Women in Natural Resource Governance, Management, and Conflict Prevention in Chocó, Colombia

Ana Burgos, UN Women (Colombia)

Women as Agents of Peace in Contexts Affected by Climate Change: Lessons Learned from North Kordofan, Sudan

Huda Bahar, VetCare (Sudan)

Discussants: **Marisa O. Ensor**, Georgetown University (USA)

Joanne Lebert, IMPACT (Canada)

Session 4-B: The Climate, Conflict, and Disaster Nexus: Applying Integrated Approaches to Understanding Risk

2:00pm – 3:30pm, Huntington

Chair: **Andrew Kruczkiewicz**, Columbia IRI, Red Cross Red Crescent Climate Centre (USA)

Presenters: *Visualizing Attributions of Climate and Conflict Risk Using Integrated Approaches*

Shanna McClain, National Aeronautics and Space Administration (USA)

Addressing Climate and Environmental Drivers of Conflict through Multi-sectoral Approaches in DRC

Emma Whitaker, Mercy Corps (UK)

Integrating Environment-Based Peacebuilding into Humanitarian Response

Charles Kelly, Independent Consultant (USA)

Discussants: **Colin Kelley**, Columbia University (USA)

Lydia Cardona, Conservation International (USA)

Juliane Schillinger, University of Twente (Netherlands)

Session 4-C: Environmental and Hydro-Diplomacy in International River Basins: Prospects & Challenges

24 October 2019, 2:00pm – 3:30pm, Newport

Chair: **Diana Rice**, Dawson College (Canada)

Presenters: *Environmental Diplomacy in the Jordan River Basin*

Suleiman Halasah, Arava Institute for Environmental Studies (Jordan)

Emma Spett, University of Vermont (USA)

Environmental Diplomacy in the Kabul River Basin

Bindu Panikkar, University of Vermont (India)

Environmental Diplomacy in the Indus River Basin

Asim Zia, University of Vermont (USA)

Hydro-Diplomacy and Building Peace in the Salween River Basin

Ashok Swain, Uppsala University (Sweden)



Session 4-D: Career Focus: Resume Review Workshop

2:00pm – 3:30pm, Back Bay

Sponsored by the EnPAX Young Professionals Interest Group

Host: **Bridey Scully**, University of California, San Diego (USA)

Panelists: **Janet Edmond**, Conservation International (USA)

Carl Bruch, Environmental Law Institute (USA)

Tobias Ide, University of Melbourne (Germany)

Erika Weinthal, Duke University (USA)

David Jensen, UN Environment (Switzerland)

Session 4-E: Environmental Peacebuilding in a Changing Climate

2:00pm – 3:30pm, Board Room

Chair: **Anne Hammill**, International Institute for Sustainable Development (Canada)

Presenters: *Post-Conflict Peacebuilding and Climate Change in Colombia*

María Paula Gonzalez, Macias Gomez & Asociados Abogados (Colombia)

Future Sustainability Built on Present Injustice? A Critical Engagement with the Concept of Environmental Peacebuilding

Teresa Lappe-Osthege, University of Sheffield (United Kingdom)

The Role of International Law in Reducing the Risk of Climate-Related Conflict

Peter Gleick, Pacific Institute (USA)

Session 4-F: Conflict, Natural Resources, and Livelihoods

2:00pm – 3:30pm, Balboa

Chair: **Bernarda Elizalde**, Torex Gold Resources (Canada)

Presenters: *Quantifying Illicit Crop Farmers for Alternative Development Policy Design*

Jaqueline García-Yi, United Nations Office on Drugs and Crime (Austria)

“Greening” the Peace: Re-weaving the Society-Nature Relationship in Post-Conflict Colombia

Viviana Martínez-Pulido, UN Development Programme (Colombia)

Managing Natural Resources to Benefit Local Populations: Lessons from the DRC

Liliane Mbumb, Mouvement des Initiatives des Femmes pour la Démocratie et le Développement en RD Congo (DRC)

The Case of Conflict at Walikali and Massissi

Dominique Asanga Yamba, Institut du Gaz et Pétrole (DRC)

Discussant: **Kirk Talbott**, Environmental Law Institute (USA)

Session 4-G: Environmental Peacebuilding Story Slam: Improve Your Pitch to the Media!

2:00pm – 3:30pm, Catalina

Hosts: **Meaghan Parker**, Society of Environmental Journalists (USA)

Nora Moraga-Lewy, Pulitzer Center on Crisis Reporting (USA)

Coffee Break

3:30pm – 4:00pm, Foyer



Session 5-A: A Changing Environment: Exploring the Links and Consequences of the Peace Agreement in Colombia's Natural Environment

4:00pm – 5:30pm, Auditorium

Chair: **Helena Duran**, Dejusticia (Colombia)

Presenters: *The Case of Chiribiquete - Can the World Heritage Convention Contribute to Conservation and Peacebuilding?*

Britta Sjöstedt, Lund University (Sweden)

The Role of Local Civil Society in Building a More Sustainable Peace in the Páramo Landscape of Southern Colombia

Laura Betancur Alarcón, Lund University (Colombia)

The Transformation of Forest Landscapes and Governance of the Amazon in Post-Agreement Colombia: Lessons for Building Peace with the Environment

Torsten Krause, Lund University (Sweden)

Prodeco's Experience in Managing High-Value Natural Resources and Supporting Territorial Peace in a Complex Socio-Political Context

Nicolás Gómez Olarte, Cl. Prodeco S.A. (Colombia)

Sergio Petro Bedoya, Cl. Prodeco S.A. (Colombia)

Session 5-B: Tech Tools for Environmental Peacebuilding

4:00pm – 5:30pm, Huntington

Chair: **Janet Edmond**, Conservation International (USA)

Presenters: *Participatory Modeling and Visualization of Flood Hazards at Fine Resolution*

Brett Sanders, UC Irvine (USA)

Connecting Space to Communities: Using Systems-Based Approaches for Building Peace

Shanna McClain, National Aeronautics and Space Administration (USA)

Decision Support Tools for Environmental Peacebuilding: Experiences, Lessons, and Prospects

Sharon Burke, New America (USA)

Community Monitoring as a Conflict Prevention Tool: The Use of Low-Cost Technologies to Empower Community Monitoring

Flaviano Bianchini, SOURCE (Italy)

Session 5-C: Extractives, Security, and Peacebuilding

4:00pm – 5:30pm, Newport

Chair: **Erika Weinthal**, Duke University (USA)

Presenters: *Oil and Conflict*

Helena Tukiainen, University of Oulu (Finland)

Päivi Lujala, University of Oulu (Finland)

Militarism and Fossil Fuels

Paul Joseph, Tufts University (USA)

The Oil Policy of Iraq after ISIS: Challenges and Opportunities

Mishkat Al-Moumin, Environmental Law Institute (Iraq/USA)

Environmental Peacebuilding and Artisanal Mining: Rethinking Formalization

Christina Ankenbrand, Peace Academy Rhineland-Palatinate (Germany)

Peace in the Face of Gold-related Violence? Empirical Evidence from Colombia

Dorothea Hamilton, University of Gießen (Germany)



Session 5-D: Integrating Climate Solutions in Conflict-Affected Settings: Innovations in Environmental Peacebuilding

4:00pm – 5:30pm, Back Bay

Moderator: **Anne Hammill**, International Institute for Sustainable Development (Canada)

Panelists: **David Mozersky**, Energy Peace Partners (USA)

Eliot Levine, Mercy Corps (USA)

Gidon Bromberg, EcoPeace Middle East (Israel)

Kevin Halsey, EcoMetrix Solutions Group (USA)

Session 5-E: Forest Resources, Conflict, and Peace

4:00pm – 5:30pm, Board Room

Sponsored by the EnPAX Forest Resources Interest Group

Chair: **Greg Corbin**, Stoel Rives LLP (USA)

Presenters: *Conflict-Linked Deforestation in Syria: An Open-Source Investigative Approach*

Noor Nahas, Bellingcat (Syria)

Social Forestry as a Peacebuilding Tool

Bernd Unger, AHT Group AG (Germany)

Forest Sector Peacebuilding Interventions: Neglected Consequences of Statebuilding Reform in Liberia's Timber Economy

Jan Grabek, Peace Academy Rhineland-Palatinate (Germany)

Understanding How Climate Change Mitigation through Gum Arabic Production May Lower the Levels of Violent Conflicts in the Sahel

Ousseyni Kalilou, New York University (Niger)

Session 5-F: Framing Post-Conflict Environmental Peacebuilding

4:00pm – 5:30pm, Balboa

Chair: **Larry Swatuk**, University of Waterloo (Canada)

Presenters: *Environmental Peacebuilding and Post-Conflict Peacebuilding: Points of Convergence and Divergence*

Michael Beevers, Dickinson College (USA)

What's Next? Exploring Governance Pathways towards Environmental Peace

Stacy VanDeveer, University of Massachusetts-Boston (USA)

Environmental Peacebuilding in the Post-Conflict Context:

A Review of the Literature

McKenzie Johnson, University of Illinois at Champaign-Urbana (USA)

Luz Ángela Rodríguez, Pontificia Universidad Javeriana (Colombia)

Session 5-G: Disasters, Conflict, and Peacebuilding

4:00pm – 5:30pm, Catalina

Sponsored by the EnPAX Disasters and Resilience Interest Group

Chair: **Zabrina Welter**, University of Freiburg (Germany)

Presenters: *Disasters and Armed Conflict (De-)Escalation*

Tobias Ide, University of Melbourne (Germany)

Disasters, Violence, Crime, and Migration (DVCM): A Heuristic Model for Understanding Potential Climate Change-Violent Conflict Linkages and Causal Pathways

Vincent T. Gawronski, Birmingham-Southern College (USA)



Natural Hazards, Migratory Flows and Conflict Risk

Kristina Petrova, Uppsala University (Sweden)

'Doble Afectacion': When Disasters Are Not Equal to Hazards x Vulnerability

Ayesha Siddiqi, Royal Holloway University of London (UK)

Poster Session, Photographic Exhibition, and Reception

5:30pm – 7:30pm, Foyer and Hallways

Poster Session

5:30pm – 7:30pm, Foyer

Presenters: *Black Sea: As a Peacebuilder for the Region*

Mehmet Altingoz, University of Delaware (Turkey)

Jordanian, Palestinian, and Israeli Alumni of a Multicultural Program at the Arava Institute: A Retrospective Study

Sharón Benheim, Ben Gurion University of the Negev (Israel)

Environmental Peacebuilding in Colombia - Education & "Greening" Solutions

Romane Boyer, Malmö University (France)

The Environmental Safety System and Brazilian Environmental Military Policies

Eduardo Frederico Cabral de Oliveira, Federal Institute of Education, Science and Technology Fluminense (Brazil)

Lessons in Utilizing Online Education to Teach Environmental Security and Sustaining Peace: A Post-Course Review

Alex Caplan, Oregon State University (USA)

Sierra Killian, Environmental Law Institute (USA)

Green Conflict Minerals: The Fuels of Conflict in the Transition to a Low-Carbon Economy

Alec Crawford, International Institute for Sustainable Development (Canada)

Renewable Energy Law as a Tool for Post-Agreement Peacebuilding Efforts in Caquetá, Colombia

Vera Dickhoff, Freie Universität Berlin (Germany)

Religious Mediation in the Context of Laudato Si: The Role of the Vatican in an Era of Environmental Conflict

Javier González Rivero, Yale University (Mexico)

After Peace, the Collective Perception of the Integrated Rural Reform (IRR) in the Colombian Department of Caquetá

Maximilian Graser, Humboldt-Universität zu Berlin (Germany)

Hector Camilo Morales Muñoz, Humboldt-Universität zu Berlin (Colombia)

Off-Grid Greywater Treatment in the Middle East: Project Evaluation via Community Capacity Assessment in the West Bank, Palestinian Authority

Suleiman Halasah, Arava Institute for Environmental Studies (Jordan)

Environmental Peacebuilding in Colombia: Lessons from Rwanda

Germaine Hirwa, University of Rwanda (Rwanda)

Use of Force in Crisis: A Comparative Look at the Domestic and International Laws Governing the Use of U.S. Military Force to Respond to Mass Climate Refugee Migration

Holly Locke, UC Hastings College of the Law (USA)



The Colombian Peace Process & Harmony with the Environment

Becca Méndez, Kroc Institute for International Peace Studies (USA)

Juanita Esguerra, Kroc Institute for International Peace Studies (Colombia)

Strategic Entry Points for Implementation of Renewables to Improve Sustainability and Peace Outcomes

Savanna Michener, Drexel University (USA)

Mira Olson, Drexel University (USA)

Resources, Gold, and Power: Why Beowulf Matters Today

Rachel Stern, New York University (USA)

Citizen Science's Contribution to Environmental Peacebuilding: Lessons Learnt from Kosovo

Camilla Valerio, Karl Franzens University Graz (Italy)

Rosa Hergan, Karl Franzens University Graz (Austria)

The implementation of Peace Agreements: The Arena for Renewed Power

Struggles? A Critical Perspective on the Implementation of Land Redistribution

Provisions in South Africa and Guatemala

Zabrina Welter, University of Freiburg (Colombia)

Environment + Conflict + Peace: A Photographic Exhibition

5:30pm – 7:30pm, Hallways

Curators: **Jason Houston** (USA)

Carl Bruch (USA)

Photographers: **Nichole Sobecki** (USA/Kenya)

Lena Mucha (Germany)

Albert Gonzalez Farran (Spain/Kenya)

Antho Jackson (Denmark)

Paige McClanahan (USA/France)

Mazen Saggat (Iraq/France)

Mouneb Taib (Syria)

Staff of UN Environment Programme

Friday 25 October

Breakfast Meetings for EnPAX Interest Groups (Optional)

7:45am – 8:45am, Dining Room

Session 6: Ignite Presentations

9:00am – 10:45am, Auditorium

Chair: **Philippe Le Billon**, University of British Columbia (Canada)

Presenters: *Fire on the Turtle's Back: The Power of Persistence*

Alfred Brownell, Green Advocates (Liberia)

Owls for Peace: Experiences from the Middle East

Alexandre Roulin, University of Lausanne (Switzerland)

Al-Moumin Distinguished Lecture in Environmental Peacebuilding

Nancy Peluso, University of California, Berkeley (USA)



Coffee Break
10:45am – 11:15am, Foyer

Session 7-A: Civil Society and Grass-Roots Environmental Peacebuilding

11:15am – 12:45pm, Auditorium

Chair: **Kirk Talbott**, Environmental Law Institute (USA)

Presenters: *Civil Society Advocacy on the Environmental Dimensions of Conflict*
Doug Weir, Conflict and Environment Observatory (UK)

The Peacebuilding Role of Environmental NGOs in Post-Conflict Societies

Alma Mirvic, UN Development Programme (Bosnia and Herzegovina)
Environmental Defenders

Philippe Le Billon, University of British Columbia (Canada)

Cooperation as Resistance? Exploring Bottom-up Environmental Peacebuilding under Power Asymmetry

Anaïs Dresse, Humboldt-University Berlin (Germany)

Session 7-B: Migration, Climate Change, and Environmental Peacebuilding

11:15am – 12:45pm, Huntington

Chair: **Alec Crawford**, International Institute for Sustainable Development (Canada)

Presenters: *Climate vs. Conflict vs. Climate: Understanding Complex Feedback Loops to Strengthen Humanitarian Action in Colombia*

Joshua Fisher, AC4 | The Earth Institute (USA)

Creating a Better Social Climate for Accommodating Migrants Displaced Due to Climate Change

Päivi Lujala, University of Oulu (Finland)

Climate Change, Migration, and Conflict: Evidence from Disaster-Induced Displacement

Angela Chesler, University of Notre Dame (USA)

Discussant: **Ivo Lysinge**, Environmental Action for Peace (Central African Republic)

Session 7-C: Monitoring and Evaluating Environmental Peacebuilding: A Review of Current Practice

11:15am – 12:45pm, Newport

Sponsored by the EnPax Monitoring and Evaluation Interest Group

Chair: **Amanda Woome**, Habitat for Humanity (USA)

Presenters: *Conflict-Sensitive Conservation Programming: Observations from GEF-Funded Projects*

Sierra Killian, Environmental Law Institute (USA)

Carl Bruch, Environmental Law Institute (USA)

Discussants: **Hector Camilo Morales Muñoz**, Humboldt-Universität zu Berlin (Colombia)

Francine Madden, Center for Conservation Peacebuilding (USA)

Kelsey Coolidge, War Prevention Initiative (USA)

Eric Abitbol, Universalia (Canada)



Session 7-D: Lessons from Teaching Environmental Peacebuilding

11:15am – 12:45pm, Back Bay

Sponsored by the EnPAX Education Interest Group

Chair: **Geoff Dabelko**, Ohio University (USA)

Presenters: *Integrating Environmental Peacebuilding Education, Research, and Practice: Lessons from a Graduate-Student Practicum on Water and Peacebuilding in the Middle East*

Ken Conca, American University (USA)

Education and Environmental Peacebuilding in the Middle East

Tobias Ide, University of Melbourne (Germany)

Observations on Teaching International Law Protecting the Environment in Relation to Armed Conflict

Britta Sjöstedt, Lund University (Sweden)

Teaching Environmental Peacebuilding in the Accursed Mountains: Lessons from Kosovo, Montenegro, and Albania

Todd Walters, International Peace Park Expeditions (USA)

Geoff Dabelko, Ohio University (USA)

Session 7-E: Starting Off Strong: Lessons in Effective Stakeholder Engagement in Environmental Peacebuilding

11:15am – 12:23pm, Board Room

Chair: **Janet Edmond**, Conservation International (USA)

Presenters: *Community Forests: A Proposal for Environmental Peacebuilding in Colombia*

Ángela María Amaya Arias, Universidad Externado de Colombia (Colombia)

Communities, Conflict, and Coffee: Building Peace through Conflict Sensitivity in Peru's Alto Mayo Protected Forest

Lydia Cardona, Conservation International (USA)

Establishing Peace and Security in Conservation in Northern Kenya

Janet Edmond, Conservation International (USA)

Peace Conferences and Environmental Peacebuilding: Fueling Peace through Community Dialogue over Natural Resources in South Sudan

Marisa O. Ensor, Georgetown University (USA)

Session 7-F: Environmental Governance in Post-Conflict Colombia

11:15am – 12:23pm, Balboa

Chair: **Rachel Stern**, New York University (USA)

Presenters: *Multiculturalism and Ethno-territorial Governance: How Marginalized Ethnic Groups Adapt to Institutional Reforms in Post-conflict Societies*

Marcela Velasco, Colorado State University (USA)

Protected Area Governance: Key to Advancing Conservation in the Midst of Armed Conflict -- Evidence from Colombia

Julia Gorricho, World Wildlife Fund (Germany)

Medicinal Marijuana Inc.: On the Legalization of Drugs in Colombia and the Privatization of Rural Livelihoods after the Peace Agreement

Irene Vélez-Torres, Universidad del Valle (Colombia)

Diana Hurtado, Universidad del Valle (Colombia)



21st Century Coal Transition in Colombia: Power, Violence and Environmental Conflict
Tamra Gilbertson, University of Tennessee (USA)

Session 7-G: Protecting the Environment in Relation to Armed Conflicts: Legal Dimensions (II)

11:15am – 12:45pm, Catalonia

Sponsored by the EnPAX Law Interest Group

Chair: **Britta Sjöstedt**, Lund University (Sweden)

Presenters: *Protecting the Environment in Relation to Armed Conflicts: Transboundary Cooperation on Natural Resource Management of Marine Areas Affected by Sea-Dumped Chemical Weapons*

Grant Dawson, Organisation for the Prohibition of Chemical Weapons (Netherlands)
Recent Revisions to the Afghan Minerals Law and their Implications for Countering Corruption in Afghanistan

Elizabeth Hessami, Johns Hopkins University (USA)
Water in Occupied Territories

Mara Tignino, University of Geneva (Switzerland)

Session 7-H: The Role of Cultural Heritage in Environmental Peacebuilding: Understanding Impacts and Identifying Solutions

11:15am – 12:45pm, Laguna

Chair: **Jacqueline Kessler**, American University (USA)

Presenters: *Social-ecological Resilience and Coastal Communities: The Role of Climate Change, Cultural Heritage, and Tourism*

Kristin Weis, Roskanet (USA)
Geoparks as an Instruments for Peace through Environmental and Cultural Heritage Protection in the Southern Caucasus

Andreas Dittmann, University of Gießen (Germany)
Environmental Cultural Heritage: Combating Climate Change by Protecting Human Rights

Haydee Dijkstal, 33 Bedford Row (USA/Netherlands)

Lunch

12:45pm – 2:00pm, Dining Room

Session 8-A: Roundtable on Environmental Change, Migration, and Conflict

2:00pm – 3:30pm, Auditorium

Moderators: **Elaine (Lan Yin) Hsiao**, IUCN CEESP Theme on Environment and Peace (USA)
Galeo Saintz, IUCN CEESP Theme on Environment and Peace (South Africa)

Panelists: **Lauren Herzer-Risi**, Woodrow Wilson International Center for Scholars (USA)
Päivi Lujala, University of Oulu (Finland)
Richard Matthew, UC Irvine (USA)
Geoff Dabelko, Ohio University (USA)



Session 8-B: Ensuring Water Protection during and after Armed Conflicts: Analysis of War Impacts and Cooperative Approaches

2:00pm – 3:30pm, Huntington

Sponsored by the EnPAX Water Interest Group

Chairs: **Mara Tignino**, Geneva Water Hub/University of Geneva (Switzerland)
Shanna McClain, National Aeronautics and Space Administration (USA)

Presenters: *Targeting Infrastructure, Health, and Civilians in Yemen*
Jeannie Sowers, University of New Hampshire (USA)
Erika Weinthal, Duke University (USA)
Conflict Impacts on Local Water Management in the Gaza Strip
Juliane Schillinger, University of Twente (Netherlands)
Water after War – Analyzing Water Cooperative Events after Violent Conflict
Stefan Döring, Uppsala University (Sweden)
Water Security Governance: New Opportunities in Large Green Infrastructures
Lidia Cano, UC Berkeley (Spain)

Session 8-C: Tools to Reduce Socio-Environmental Conflict Associated with Mining: Participatory Environmental Monitoring Committees and Policy Options on the Role of Host Governments in Emerging Producer Countries

2:00pm – 3:30pm, Newport

Chair: **Andre Xavier**, University of British Columbia (Canada)

Presenters: *The Role of Host Governments in Enabling or Preventing Conflict Associated with Mining*
Tony Andrews, Centre for Responsible Mineral Development (USA)
Insights from the Environmental Governance Programme’s Global Experience Supporting Participatory Environmental Monitoring Initiatives in Mongolia, Mozambique, and Latin America
Sarah Daitch, UN Development Programme (Canada)
Participatory Environmental Monitoring Committees in Mining Contexts: Lessons from Nine Case Studies in Latin America
Claudio Pareja, Canadian International Resources and Development (Chile)
Graciela Tapia, UN Development Programme (Argentina)

Session 8-D: Natural Resource Governance and Environmental Peacebuilding

2:00pm – 3:30pm, Black Bay

Chair: **Mononita Kundu Das**, Amity University (India)

Presenters: *‘Resource Federalism’ as Environmental Peacebuilding in Burma*
Kevin Woods, University of Hawai’i at Manoa (USA)
Institutional Design, Informal Practices and International Conflict: The Case of Community-Based Pasture Management in the Kyrgyz-Tajik Border Region
Wibke Crewett, Humboldt-University Berlin (Germany)
Lessons and Challenges in Implementing a Watershed Protection Project in Post-Conflict Mindanao, Philippines
Casimiro V. Olvida, Sarangani Energy Corporation (Philippines)
Opportunities and Challenges for Environmental Peacebuilding in Bougainville
Paula Hanasz, Brady Perspectives (Australia)



Session 8-E: Scoping the New Frontier for Business and Conflicts Risk Mitigation: Towards a New Transnational Initiative?

2:00pm – 3:30pm, Board Room

Moderator: **Achim Wennmann**, Geneva Peacebuilding Platform (Switzerland)

Panelists: **Antonio Bernales**, Futuro Sostenible (Peru)

Rafael Benke, Proactiva Results (Brazil)

Rosa María Olave Robert, University Alberto Hurtado (Chile)

Mara Hernandez, CIDE (Mexico)

Session 8-F: Prioritizing the Environment to Engage Indispensable Stakeholders: Rebooting International and National Security Decision Making for the 21st Century

2:00pm – 3:30pm, Balboa

Moderator: **Steve Brock**, Council on Strategic Risk (USA)

Panelists: **Sharon Burke**, New America (USA)

Judith Nora Hardt, Hamburg University (Germany)

Eliot Levine, Mercy Corps (USA)

U.S. Foreign Policy of Environmental Peacebuilding over Militarism:

A Cost-Benefit Analysis

Celina Scott-Buechler, Peace Rising (USA)

Session 8-G: The Role and Challenges of Documentary Filmmaking in Post-Conflict Colombia

2:00pm – 3:30pm, Catalina

Presenters: **Sjoerd van Grootheest**, Universidad del Valle (Colombia)

Irene Vélez-Torres, Universidad del Valle (Colombia)

Coffee Break

3:30pm – 4:00pm, Foyer

Session 9: High-Level Panel on Visions for the Future of Environmental Peacebuilding

4:00pm – 5:45pm, Auditorium

Moderator: **Richard Matthew**, UC Irvine (USA)

Panelists: **Marja Lehto**, Special Rapporteur on Protection of the Environment in Relation to Armed Conflicts, UN International Law Commission (Finland)

David Jensen, UN Environment (Switzerland)

Achim Wennmann, Geneva Peacebuilding Platform (Switzerland)

Closing Remarks

5:45pm – 6:00pm, Auditorium

Host: **Carl Bruch**, Environmental Peacebuilding Association (USA)



Our mission is to mitigate poverty and reduce inequalities by leveraging the UC system's resources and creating data-based interdisciplinary tool-kits that will:

- Carry out research relevant to understanding and addressing poverty, inequality and sustainable development.
- Educate and train the next generation of leaders and empower them to address poverty, inequality and sustainable development.
- Engage community partners here and around the world.



ELI is proud to sponsor the First International Conference on Environmental Peacebuilding

For more than half of its 50-year history, the Environmental Law Institute (ELI) has been helping conflict-affected countries and partners in Africa, Latin America, the Middle East, and Asia to more effectively manage natural resources and support the transition to peace.

ELI also serves as a knowledge hub on environmental peacebuilding by working with partners from around the world to conduct and publish research on the environmental consequences of war and on post-conflict natural resource management, as well as specific on-the-ground projects in conflict-affected countries.

ELI is very proud to host the Secretariat for the Environmental Peacebuilding Association (EnPax) and to support the First International Conference on Environmental Peacebuilding.



Session 4-B

Empowering Women through Environmental Peacebuilding

Lessons from Sudan and Colombia

Interventions around natural resources, environment and climate change provide significant opportunities to empower women politically and economically, and to strengthen their contributions to peace. This event will share findings from the pilot projects of Joint Programme on Women, Natural Resources and Peace in Sudan and Colombia, and discuss lessons learned for peacebuilding programming globally.

24 October 2:00 – 3:30pm
Huntington Room



THE ENVIRONMENTAL GOVERNANCE PROGRAMME (EGP)
IS PLEASED TO SUPPORT THE 1ST INTERNATIONAL
CONFERENCE ON ENVIRONMENTAL PEACEBUILDING!

JOIN OUR SESSION:

FRIDAY, 25 OCTOBER 2019
2:00PM – 3:30PM
NEWPORT

**Session 8-C: Tools to Reduce Socio-Environmental Conflict
Associated with Mining: Participatory Environmental Monitoring
Committees and Policy Options on the Role of Host Governments
in Emerging Producer Countries**

WWW.ENVIRONMENTALGOVERNANCEPROGRAMME.ORG

The **Swedish Environmental Protection Agency** and the **United Nations Development Programme** launched in 2014 the Environmental Governance Programme (EGP) for Sustainable Natural Resource Management, focusing on the mining sector. It draws upon the combined governance, environmental and extractive sector expertise of the two agencies and their partners to **support countries to integrate environment and human rights into the governance of the mining sector.**



Campus Map

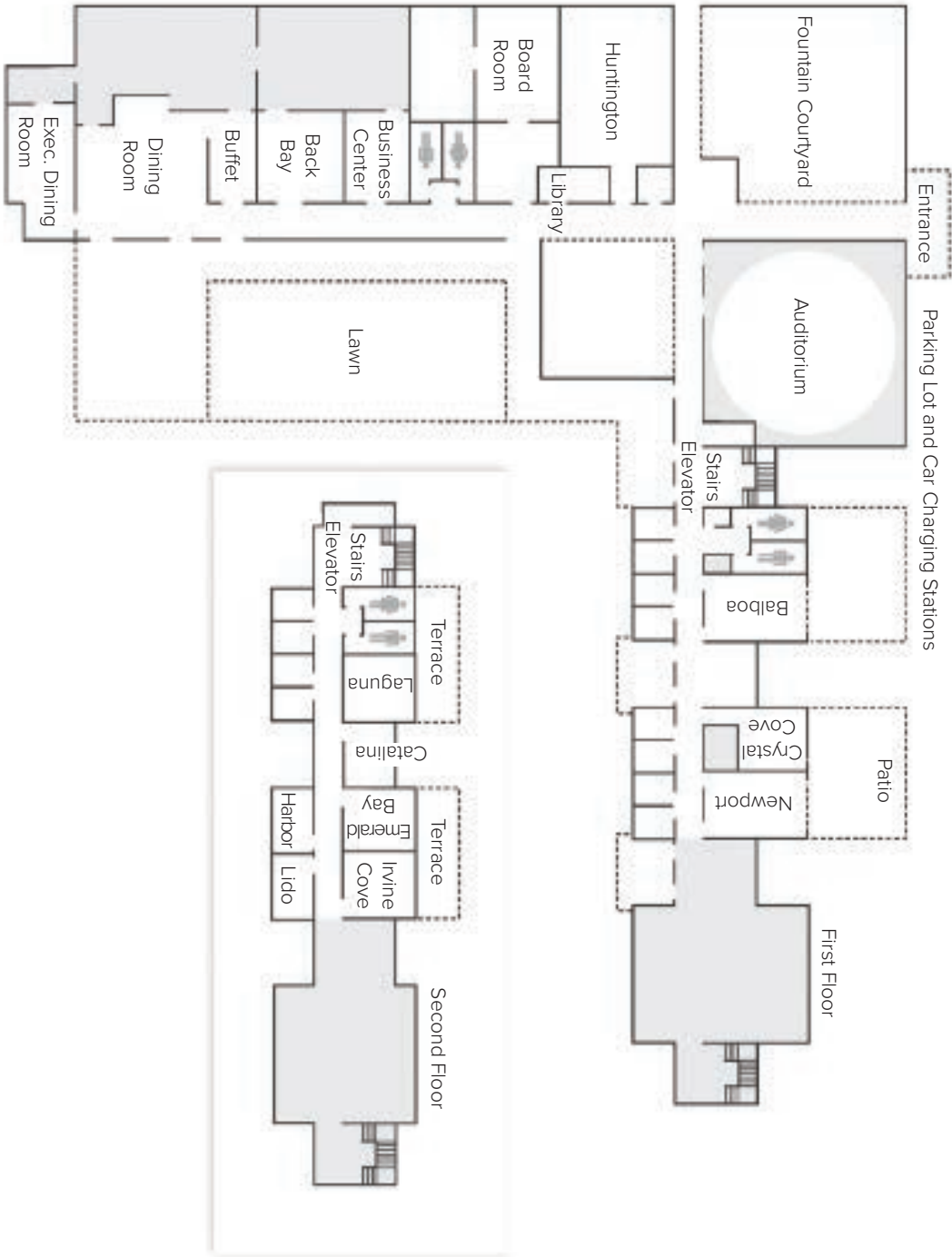


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