

## ICCB Pre-Conference Workshop Proposal

Workshops provide organizers the opportunity to share an approach, scientific finding, or technology that provides practical solutions for conservation challenges. Workshops, whether geared towards students or professionals, are more interactive than symposia and often have an educational / technical component. To minimize conflict with symposia and contributed paper sessions, workshops are scheduled immediately before or after the main scientific meeting or during lunchtime.

Pre-congress workshops range from 4 hours (half-day) to 16 hours (two days) and take place before the Congress on 22-23 July 2023. We may enable post-congress workshops of 4-to-8 hours to take place on 28 July, the day after ICCB. Pre- and post-congress workshops take place off-site (outside the Kigali Convention Center) and typically require a participant registration fee to cover room rental / set-up / maintenance costs.

**Duration:**

16 hours (two full days)

**Do you wish to present part of your workshop virtually before the Congress?**

No

**Workshop Title (150 characters)** *List the title of your proposed Workshop. Your title should be in title case, NOT all capitals and should not exceed 150 characters including spaces. Should your workshop be accepted, the title listed below is the title that will appear in the ICCB program:*

Bridging Sectors for Movement Ecology Innovation

**Workshop Abstract (193/210 words)** *Provide an abstract that describes your Workshop. The abstract you provide will be used to advertise the session. It should not exceed 1500 characters, or about 210 words:*

Movement ecology presents a frontier in which fundamental science, conservation, and cutting-edge technology development are coalescing around major breakthroughs that could revolutionize our understanding of animal movement and the natural world. Building on the findings of a recent global horizon scan of movement ecology, this workshop will convene cross-sector stakeholders to connect, discuss identified priorities, and take concrete next steps to address funding needs and collaboration opportunities to advance the field. To facilitate this, workshop activities will include a combination of high-level discussions on sector-wide trends and developments, in-depth roundtables on emerging technical, analytical, and infrastructure needs, and group ideation sessions to kickstart collaborative projects. By joining this two-day, innovation-focused event, participants will have the opportunity to not only learn insights from the horizon scan and connect with other thought leaders in the space, but to form partnerships and take meaningful steps toward turning ambitious ideas into reality in an open and

collaborative environment. This workshop and broader horizon scan project is supported by Gordon and Betty Moore Foundation and led by **WILDLABS**—a global community and convener dedicated to open, accessible development and scaling of technology solutions for conservation impact ([www.wildlabs.net](http://www.wildlabs.net)).

**Workshop Justification (121/125 words)** *In 125 words or less, please tell us why your proposed workshop matters for biodiversity conservation and how your topic relates (broad or specific relevance) to the theme of ICCB 2023 The Future is Now: Sustaining biodiversity for today and tomorrow:*

This cross-sector movement ecology innovation workshop is a timely and relevant gathering for ICCB 2023, bringing together some of the most critical questions and paradigm-shifting opportunities of modern conservation science. Advancing our ability to understand animal movement is both essential to biodiversity conservation, presenting fascinating and important insights into human-wildlife coexistence and our changing natural world, and ripe for innovation, as a major frontier where fundamental science, conservation, and cutting-edge technology development are coalescing to push the boundaries of what is possible. This workshop, and the broader project behind it, embody the concept that the *future is now*—simultaneously leveraging forecast science to identify developments on the horizon and convening key stakeholders to actively build toward their realization, effectiveness, and long-term sustainability.

**Outline & Detailed Description of Workshop Proposal (398/400 words)** *We expect that your description may overlap with the abstract and justification provided above, but this detailed description and outline will help reviewers understand the structure and content of your workshop and the significance of the proposed topic:*

The recent rise of cheaper, lighter, and more powerful animal tracking technologies has opened up paradigm-shifting opportunities for ecological research. Combined with the increased availability of high-resolution environmental data and analytical developments in movement modeling, these advancements are empowering movement ecologists to ask previously unanswerable or unimaginable questions. This discipline now sits at the precipice of major breakthroughs that could revolutionize our understanding of animal movement and the natural world.

Recognizing these opportunities, **WILDLABS** conducted foundational research with our global community to identify development priorities that consider a longer-term horizon for innovation and impact. With the support of the Gordon and Betty Moore Foundation, we convened 517 community members from 71 countries in public events to explore the future of movement ecology, with 38 leading experts participating in a formal horizon scan to determine priorities. The findings will be submitted for publication in early 2023.

We propose to gather experts from across sectors at ICCB 2023 in a pre-conference workshop to catalyze progress on these identified priorities. Our primary aims will be to 1) facilitate connections and information sharing between diverse stakeholders, and 2) empower attendees to take concrete steps that address funding needs and collaboration opportunities to advance the field. Workshop activities will include a combination of high-level discussions on sector-wide opportunities, in-depth roundtables on



emerging technical, analytical, and infrastructure needs, and group ideation sessions to kickstart collaborative projects. Outputs of the workshop will be disseminated through the WILDLABS network, as well as socialized with key funding and decision-making bodies to inform policy and future efforts. Our proposed agenda is as follows:

## Day 1:

- Introduction
- Plenary: Presentations on horizon scan findings and key areas of interest
- Interest group prioritization: Honing in on roundtable topic areas (*e.g., non-invasive attachment methods, edge processing, habitat suitability models for autocorrelated tracking data, predictive AI analyses, global tag registry development, or global collaborative tracking*)
- Lunch
- Roundtable discussions: Attendees self-organize into interest groups and discuss elements of interest, overlap, and potential collaboration
- Discussion: Groups report back and share Day 2 aims
- Happy hour

## Day 2:

- Interest group ideation session: Day 1 groups reconvene and spend the morning in a semi-structured session developing their shared outcome or product (*e.g., funding proposals, user requirements, best practice guidelines, working group plans*)
- Lunch
- Debrief: Groups report back on progress and plans
- Final plenary: Facilitated open discussion about shared learnings, next steps, and future needs

**Keywords** *Please provide 3 keywords, separated by commas, to assist in reviewing and placement of proposals. i.e. human dimensions, illicit trade, wildlife trade:*

Movement ecology, conservation technology, cross-sector innovation

**Expected Workshop Attendance** *Room restrictions may limit the number of people who can attend a workshop. Please provide your ideal or expected attendance, maximum attendance (number of attendees who you can reasonably accommodate without sacrificing quality), and minimum attendance (number of people who you can hold the workshop for without canceling):*

Ideal or expected number of attendees: 35

Maximum number of attendees: 50

Minimum number of attendees: 20

**Special Requests / Room Set-up Preferences** *Please let us know of required equipment you will need to hold your workshop (i.e. flip chart, projector, WiFi, etc) and the preferred seating arrangement.*

**Equipment Needs (Please be specific):**



# WILDLABS.NET

[ The conservation technology network ]

Projector

Wifi

Flip charts or whiteboards

**Seating Preference:** *Please select the best seating arrangement for your workshop. Default options include boardroom, classroom, crescent or banquet style (rounds), and U-shaped.*

- Boardroom
- Classroom
- **Cluster, or informal (small groupings)**
- U-shaped
- Other

**Comments** *150 words left Use this space to notify the Scientific Program Committee of any concerns or special considerations related to your proposal (optional - 150 word limit):*

This workshop will be part of a three-year project led by WILDLABS, supported by an advisory group of leaders in the movement ecology field and funded by the Gordon and Betty Moore Foundation. We are keen to use ICCB as a critical meeting point to bring together key stakeholders from across industries (e.g., Google, Arm, Edge Impulse, NASA, the International Biologging Society, and our NGO partners) as well as to promote engagement from our global conservation technology network. We see this as an ideal opportunity for in-person connection and making tangible progress on innovative developments that are grounded in conservation priorities.