

NEWSLETTER

SINO-ECOLOGISTS ASSOCIATION OVERSEAS

中華海外生態學者協會



Cover Photo: Sino-Eco gathering at Ecological Society of America annual meeting in Montréal, Québec, Canada (Photo by Lifei Wang).



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Edited by Muyang Lu
www.sino-eco.org

Dear Sino-Eco members and friends,

I hope you all enjoyed the holiday season and the Chinese New Year! I'm pleased to share with you the January issue of the Sino-Ecologists Association Overseas (Sino-Eco) newsletter.

In this newsletter, we first have a special column in memory of Dr. Jianwu (Jim) Tang, who passed away (January 4, 2023) in Shanghai. Jianwu was one of former Sino-Eco presidents and the advisory committee member for the past few years. Jianwu was a creative scientist, a nice friend, and a great mentor. He was very active in Sino-Eco activities, organizing workshops/gatherings, mentoring young scientists, and promoting collaborations among Chinese and Chinese-origin ecologists overseas. In this special column, Jianwu's contributions to Sino-Eco were highlighted by our senior members; also, you'll see a collection of stories, emails and photos shared by Jianwu's students, colleagues, and friends. We are deeply saddened to lose such a great friend and we will all miss him dearly. Wish Jianwu joy and happiness in heaven!

Congratulations to the new 2022–2024 Sino-Eco Executive Committee (EC) and thank previous EC and advisory board for their wonderful contributions to Sino-Eco. For the new EC, we will continue the great tradition and work with you all on different Sino-Eco activities. In addition to the routine businesses (e.g., gatherings, awards contests, newsletters, EC meetings), we'll be leveraging existing "Sino-Eco Talks" by inviting speakers from different communities. For example, representatives from professional organizations, PIs from ongoing big projects, or editors from high-profile journals may be invited to communicate with our Sino-Eco members, enhancing opportunities in collaborations, jobs, projects, and publications. The first of such additional talks will occur on February 6, 2023; and Alexa McKay from Nature Ecology and Evolution will be presenting "Demystifying the Nature journals".

One of the great traditional Sino-Eco activities is social gathering, which provides awesome opportunities for our new and senior members to enjoy networking with peers in their field. In-person Sino-Eco gatherings were unfortunately paused in 2020 and 2021 because of the COVID-19 pandemic. Luckily, our onsite gatherings have resumed since August 2022; and we organized two events during the ESA annual meeting and AGU fall meeting for those Sino-Eco members who were able to travel domestically or internationally. Special thanks to our EC and senior members for helping to make the events a success.

On behalf of Sino-Eco EC, I would like to congratulate Baoyu Sun and Xianyu Yang for their "Sino-Eco 2022 Best Student Paper Award", and Drs. Chuliang Song and Mingzhen Lu for their "Sino-Eco 2022 Best Young Investigator Paper Award". It's very exciting to see the outstanding achievements our early career members have accomplished. I thank all the nominators and the award committee for leading this nice effort. We will continue to support the Sino-Eco awards contests, recognizing the research excellence of next-generation ecologists.

As we move into 2023, let's all continue to be safe and productive no matter where you are. Thank you for your continued support of Sino-Eco, and please feel free to share the Sino-Eco newsletter with your friends.

Regards,
Jiafu Mao

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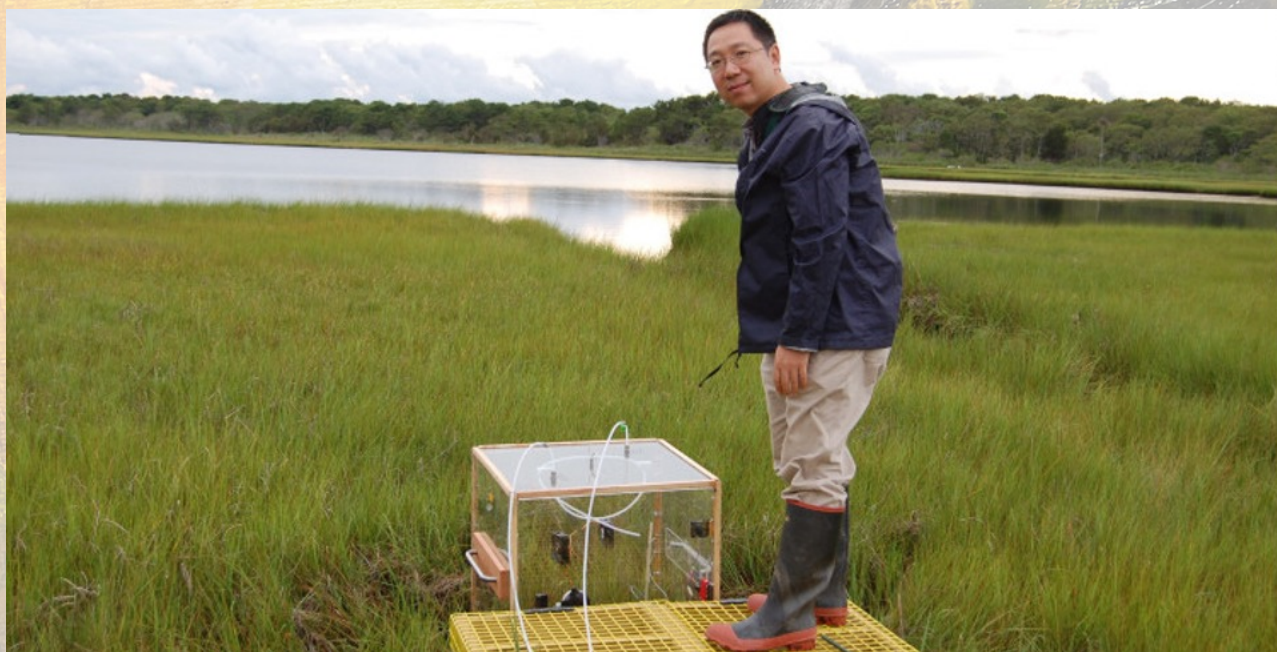
**Jianwu Tang
Xiaohua Wei
Jianguo Wu
Bin Zhu**

回忆Sino-Eco前会长唐剑武

(SINO-ECO Executive Committee and Advisory Committee，执笔黄长志)

中华海外生态学者协会(Sino-Eco)前会长唐剑武因病医治无效，于2023年1月4日英年早逝，享年52岁。

唐剑武博士1988年毕业于温州中学并考入北京大学。1992年毕业于北京大学生物学系，1995年获北京大学环境科学硕士学位。1999年获奖学金赴美国伯克利加州大学攻读环境生态学博士。2003年获博士学位。读博期间，他很快找到“组织”，加入Sino-Eco。并于2008-2010任副会长，2010-2012任会长。他对SINO-ECO NEWSLETTER贡献良多。



Jianwu Tang measures greenhouse gas emissions from a salt marsh on Cape Cod, Massachusetts in 2013. Photo courtesy of Jianwu Tang

他曾任美国西北大学助理教授，美国芝加哥大学海洋生物研究所研究员。他在美国、非洲肯尼亚、台湾等地建立农业研究基地，研究高产农业和低产农业对全球气候变化的反馈。最近几年，他任华东师范大学河口海岸科学研究院和河口海岸国家重点实验室特聘教授，致力于海岸带湿地和海洋蓝色碳汇的概念、理论、方法及在生态修复和服务于碳中和的应用。

Sino-Eco会员得知唐剑武病逝后，不禁回忆起他热爱生活，热爱家庭，负责尽职，积极进取，奋斗不息的丰富人生。正像人们常常感慨，我们没有办法把握生命的长度，但是剑武却用自己的努力增加了生命的厚度。我们为失去这样一位良师益友深感悲痛。然而，他那精益求精、不断开拓、热忱助人、甘心奉献的精神和品格，永远值得我们学习和敬仰。我们将永远怀念他。祝愿他在天国快乐幸福!

Background artwork created by Qinqin Liu, in memory of Jianwu

Jianwu's contribution to the Sino-Ecologists Association Overseas

图1是他当年的Campaign Statement。图2是登在当年SINO-ECO NEWSLETTER封面唐剑武博士的工作照。他还经常为NEWSLETTER投稿，常把科研之余的所见所闻，在NEWSLETTER与大家分享（图3）。他对于中国生态学，尤其是青年生态学家的发

展做了很多工作。首创了青年生态学家论坛。他对中美生态交流做了大量的工作，经常奔波于两地。他在担任崇明生态研究院院长期间，2019年恰逢是Sino-Eco成立30周年（图4），在他的大力支持下，“中国生态学40年发展历史及未来展望高级研讨会”顺利在上海华东师范大学崇明生态研究院召开（图5）。他是研讨会的共同主席。



图1

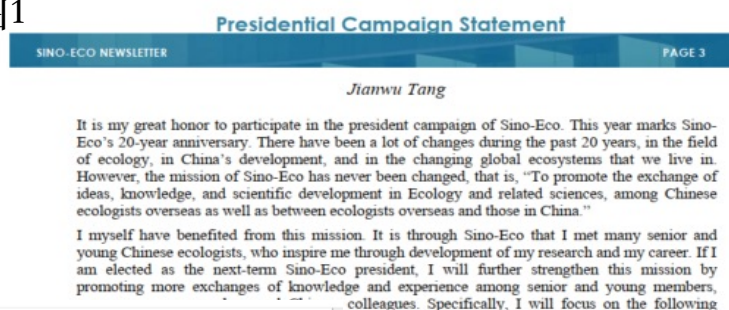


图3

在北极做生态学研究

唐剑武（起草于2010年7月，改于2010年12月）

最近我有幸收到NSF的资助，开展北极冻原生态系统对气候变化响应的研究。在这荒无人烟的地带做研究，在后勤上和别的研究很不一样，特记下所见所感。

行

我们的研究点在北阿拉斯加北极圈内（68°38'N, 149°36'W）。从我所在的麻州飞到这里，比飞到中国花间更贵，也更贵。飞机飞到阿拉斯加首府Anchorage后，转乘小飞机飞到北冰洋的小海港 Prudhoe Bay，又叫 Deadhorse。从Deadhorse名字可以看到这里的气候有多恶劣（图1）。

Deadhorse机场是我见过的最小的机场，候机室只是一幢一层的小矮楼（图2）。



图2 Deadhorse机场



图5



图4



Memories from Jianwu's colleagues

I was so shocked and sad to learn Jim's passing at his prime age. We all know Jim was an excellent scientist, the quantity and quality of his publications in highly influential journals speak loudly for it. Jim had broad research interests covering land, water, and atmosphere systems relevant to currently most challenging climate change issues facing humanity, and he had worked hard to make his impacts in our scientific field.

Jim left us too soon, but he devoted his life to make this world a better place, his life was well lived. Rest in peace.

Yude Pan

I would add that Jim is a great mentor and supporter of young scientists. I have benefited tremendously from Jim's generous support during my Ph.D. at MBL. Jim's support allowed me to freely explore a wide range of research topics. During his career, Jim has mentored many young scientists, including many underrepresented students through the Woods Hole Partnership Education Program, MBL SES, and Harvard Forest REU (and more). He will be missed.

Xi Yang

Definitely sad and surprising news. I first met Jianwu in 2004 while working on soil respiration and the hysteresis effects. I was blown away by his simultaneous measurements of tree photosynthesis and soil respiration, and I remember meeting him at a conference and approaching him like he was a complete rockstar. He was so nice and generous as I asked him all about his use of solid-state CO₂ sensors over those years. I'm loving reading about just how many people were so positively impacted by Jianwu. I hope he felt that love. And I hope this helps us all remember to share our appreciation for each other more openly today.

Greg Barron-Gafford

This is indeed shocking and sad. His family has my condolences. Jianwu was a creative scientist who made important contributions to our understanding of soil carbon cycling and ecosystem metabolism and collaborated with many flux tower sites and scientists. While he was working with Paul Bolstad at UMN, we collaborated at US-Syv to track and upscale C losses from decomposition. I learned a lot from him on how to make careful measurements of soil, stem, leaf, CWD respiration and interpret them properly. I will miss him.

Ankur R Desai

Dr. Tang was one of the first graduate students/postdocs I had the pleasure of mentoring at Cal. He set a high bar, effortlessly and naturally, as to what it meant to be a first rate student/scientist. He was curious, industrious, a scholar, he possessed many diverse quantitative skills, was clever, productive and ambitious. Moreover, he was a kind person and one easy to mentor.

It was really exciting to work with him on some early studies quantifying respiration pulses after rain and to use spatial gradients to tease out the roles of photosynthesis on soil respiration of oak savanna. A testament to his hard work is an early 2 m resolution IKONOS image we obtained of Tonzi ranch. If I look close I can see the footpath Jianwu forged making soil chamber measurements walking back and forth across the gradient from 'Liukang's' tree and an open patch of grass.

Surely he will be missed and I hope someone who knows his family will be able to collect these notes and pass them on to the family

Dennis Baldocchi

忆剑武

陈雪初 华东师范大学

剑武罹患绝症，带病坚持工作已近三年。1月3日病情加重，夜间送医院急诊，折腾一整宿。4日上午9点多终于将剑武送进病房，觉得暂时可以松一口气，于是回家睡觉，醒来时已经下午3点出头。未几，接剑武姐姐来电，说人已走，一时间手足无措。

剑武和我同乡，长我10岁，与我亦师亦友。2012年我在上海交大工作期间考虑如何在学术上成长，听闻温州中学有位杰出校友，在伍兹霍尔海洋生物实验室（MBL）做到PI，研究生态系统碳循环及观测技术，正是我感兴趣的方向，就发了一封邮件自荐，剑武很快回信，之后得到学院支持，邀请到他来交大讲学，探讨结合杭州湾北岸奉贤岸段生态整治修复项目开展碳汇功能研究。2013年他帮助我申请到了留学基金委项目，让我有幸成为了MBL生态系统中心的访问科学家。

2014年5月来到伍兹霍尔，正是春暖花开时节。剑武充满热情地介绍他在哈佛森林、普拉姆岛建立的碳通量观测体系，又意气风发地讲起在美国启动的湿地蓝碳研究大计划，以及未来扩展到中国的可能性，让我振奋不已。当时Tang Lab在温室气体通量原位监测、冠层叶绿素荧光等方面开创性地建立了一系列新方法学，在国际上处于领先地位，加之剑武出色的领导能力和独特的个人魅力，吸引了不同国家，不同肤色的年轻人聚集到一起，在他的感召和引领之下，这支“多国部队”一起出野外扛仪器测数据，与荒野为伴却也其乐融融，Tang Lab的研究成果也接连不断地出现在顶级期刊上。

剑武虽然视科研为生命，却也对生活充满着热爱。他说喜欢钓鱼，还颇为得意地说看好潮汐下竿就能钓到大鱼，这是他从印第安土著那里打听到的秘诀；从马萨葡萄园岛装完物候相机回来，在渡轮上他请我尝“全美最好喝”的浓汤，一杯只用两美金多一点，让我记住了Clam Chowder的鲜美滋味；还有一次剑武被我嘲笑了一回，他很神秘地说要带我去吃全鳕鱼角最棒的冰淇淋，国内绝对没有，结果到了那家店发现竟然是DQ，我说下次到上海我一次请你吃十个。

2015年我回到国内，有幸和上海海洋管理部门的同仁们一起在金山开展大规模海岸带生态修复实践。16年剑武受东方学者计划资助回国讲学，我邀请他到现场参观，当时鸕鹚洲湿地还在建设前期，他看了之后很是兴奋，说雪初我们一起努力，争取把Sage Lot的蓝碳长期观测系统在这里也建立起来，为在国内推动蓝碳研究打下基础！幸运地是，17年剑武就申请到了自然科学基金海外学者合作基金项目，这是国内第一个以蓝碳为题的基金委项目，我也有机会作为国内合作者协助他开展相关工作，而华东师大接纳了蓝碳研究计划，为此举办了国际研讨会，剑武的报效祖国之路也逐渐清晰起来……

一切在这个冬天戛然而止。剑武夫人说他不畏病魔，积极乐观，是儿子们的榜样；姐姐说剑武是浪漫主义、理想主义的科学家。这让我想起如歌中所唱的画面：在那个白衣飘飘的年代，那个飘满雪的冬天，站立着一位不带伞的少年，倾听风里的歌里的生命之声，转过了身深锁上了门……

时光倒转到那天从马萨葡萄园岛回来的渡轮上，剑武舀起杯中的Clam Chowder，微笑着问我：“雪初，你觉得我要是回国工作会怎样？”

可惜世间已无唐剑武。

缅怀剑武

徐冰 清华大学

轻轻的你走了，正如你轻轻的来。新年的号角不能唤醒你沉睡的脸颊，而你却如往常，依然带来了冬日的第一道霞光。

同学二十四载，往事历历在目，有着太多的不舍与眷恋。你追求卓越，锐意进取，视工作为自己的生命。哪怕三年前得知自己患了渐冻症，也从未听你抱怨过一次、见你停歇过、懈怠过甚至一会。

最初相识，你的认真执着与理性思辨使你成为同学中闪亮的一颗星，有了星星般的杠头，每次小聚，大家都会各抒己见。记得有一次为进化论争得不亦乐乎，还是晚上打牌打到清晨使得大家终于从开始清醒争辩直到最终晕晕乎乎结束，使得我们深刻认清了自然与人类的不可知性。

你睿智且不忘初心，十七年前，与我一道共同推动第一次修改了国际华人地理信息科学协会CPGIS的规章制度，建立独立理事会，与领导团队分离，真正做到理事会监督评估领导团队，规范并保障我们海外华人组织健康发展的法律性、合理性与有效性。

五年前，还记得电话中踌躇满志的你怀揣着精忠报国之心，带着这些年在海外创造的辉煌，回国为我们国家的繁荣富强添砖加瓦。你洋溢的信心与执着深深感染着我，鼓舞着我继续为祖国的伟大复兴尽自己的绵薄之力。

你积极达观、充满力量。虽然自己患重病，坐着轮椅，不能走路，不能打字，只能戴着呼吸机才能说话，还坚持工作、坚持开会、坚持报告，并竭力做好每个项目。在他人绝望之时都会带给他人划破冬日夜空的那道霞光，而那道光会永驻他人心间，照亮跌宕前行的漫漫长夜。



同时你也有不幸中的幸运，有着与你同样乐观、相濡以沫的妻子生前对你的呵护陪伴，并育有懂事独立且自强不息的两个儿子。相信他们会继承你的遗志，薪火相传，你的精神将绵延不尽。

亲爱的同学，我还没来得及告诉你这些呢。愿你安息，生者奋然。

Meeting the new Sino-Eco Executive Committee



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Sino-Eco Annual Gathering 2022 | Montréal, Québec and Chicago, Illinois

Lifei Wang

Sino-Ecologists Association Overseas (Sino-Eco) holds annual gatherings concurrent with the Ecological Society of America (ESA) Annual Meeting and the American Geophysical Union (AGU) Annual Meeting that bring members and friends from around the world together. In 2022, Sino-Eco held the 33rd annual gatherings on August 17th during the ESA 107th Annual Meeting and the Canadian Society for Ecology and Evolution (CSEE) 2022 Annual Joint Meeting in Montréal, Québec, Canada, and on December 13th during the AGU Fall Meeting 2022 in Chicago, Illinois, United States. Approximately 40 Chinese ecologists from universities, colleges, government agencies, and research organizations worldwide attended each of the two gatherings. Sino-Eco president Dr. Jiafu Mao, former president Dr. Songlin Fei, scholarship and award officer Dr. Lixin Wang, and secretary Dr. Lifei Wang organized the gatherings.

In the two gatherings, Drs. Jiafu Mao, Songlin Fei, and Lixin Wang welcomed old and new friends to Sino-Eco. This year, Sino-Eco senior members Drs. Changhui Peng, Yiqi Luo, Dafeng Hui, Anping Chen, Weixing Zhu, Lifan Jiang, Chaoqun Lu, and Kai Zhu attended the gatherings, and over 30 new members joined Sino-Eco. During the three-hour gatherings, senior members and early career ecologists enjoyed networking with peers in their field, connecting on both specific research topics and broader issues in work and life, discussing the diverse experiences of Chinese ecologists, and celebrating the research done by Sino-Eco members in the field.

Sino-Eco is a non-profit organization founded in 1989 and dedicated to promote career development, build community, provide opportunities for informal mentoring and support, and facilitate professional collaborations for Chinese ecologists. Membership has grown through member networking and includes graduate students, professionals in a range of ecological fields, scientists working in federal and state governments, post-docs, junior and senior academic faculty and scientists. Sino-Eco serves as a hub for connecting Chinese ecologists, through our official website, Google Groups email list, YouTube channel, WeChat official account, WeChat group, Slack workspace, Twitter, and Facebook, to establish networks for peer-mentoring and scientific collaborations, share job announcements, discuss professional life, and organize get-togethers at conferences. Our next annual gathering will be held in Portland, Oregon, in August 2023. We encourage you to spread the word to your friends and colleagues, and look forward to seeing more Chinese ecologists worldwide be involved with Sino-Eco.

2022 Sino-Eco Best Paper Award



Dr. Lixin Wang announced the two winners of Sino-Eco 2022 Best Student Paper Award: **Baoyu Sun** and **Xianyu Yang** from East China Normal University in Shanghai, China; and the two winners of Sino-Eco 2022 Best Young Investigator Paper Award: Dr. **Chuliang Song** from McGill University in Québec, Canada, and Dr. **Mingzhen Lu** from Santa Fe Institute in New Mexico, United States. Each of them will receive a \$150 cash prize and formal recognition by SINO-ECO.

Photo: Chuliang Song (middle) receiving the best young investigator award from the former president Songlin Fei (left) and the award officer Lixin Wang (right).

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Research highlight

Dr. Qin Li and colleagues found evidence for divergence in flowering phenology over morphology in montane communities of *Rhododendron* at eastern Hengduan Mountains, which could explain the coexistence of species by taking turns to bloom. After her postdoctoral research at the Field Museum in Chicago, Qin just started her new position as a tenure-track associate professor at East Normal China University. Publication in *Journal of Ecology*: <https://doi.org/10.1111/1365-2745.14002>



Dr. Man Qi and colleagues found when species are restricted to the leftover of the preemptor (e.g., understory species consuming light not used by trees) – a tradeoff between preemption and ‘efficiency’ (R^*) is sufficient for the coexistence of an arbitrary number of competing species. Man Qi previously worked at Central China Normal University and just started a postdoctoral position at Oxford University. Publication in *The American Naturalist*: <https://www.journals.uchicago.edu/doi/full/10.1086/720269>

Job opportunities



The newly founded Agroecosystem Sustainability Center (ASC) led by Dr. Kaiyu Guan at University of Illinois Urbana-Champaign (UIUC) is recruiting multiple research scientists, postdoctoral scholars and PhD students on ecosystem modeling and sensing.

ASC is a new research center aiming to be a world leading innovation powerhouse in advanced monitoring and modeling of agroecosystems for improving sustainability under climate change. ASC gathers leading researchers from across the UIUC campus and collaborators worldwide in the subject areas of biophysical and biochemical research in agroecosystems, primarily focusing on whole-plant and landscape-level studies to regional and global applications. Details in: http://faculty.nres.illinois.edu/~kaiyuguan/Guan_UIUC_recruiting_2022.pdf



The Department of Earth Sciences at Indiana University-Purdue University Indianapolis (IUPUI) seeks a motivated postdoc to work on a newly funded USDA project investigating the effect of various tillage practices on environmental quality through meta-analysis and data synthesis. The position is available from January 2023.

The position will be advised by [Prof. Lixin Wang](#). The project collaborators include [Dr. Bin Peng](#), [Prof. Kaiyu Guan](#) from the University of Illinois Urbana Champaign, and [Prof. Zhenong Jin](#) from the University of Minnesota. Prof. Lixin Wang's research group centers on ecohydrology. His group studies the complexity of water-vegetation interactions in water-stressed environments, and the responses of these ecosystems to future climate/land use change scenarios. Appointment Type: Term appointment for one year, with the second year of funding contingent upon satisfactory progress.

To apply, please send the following as a single PDF document (statement of interest, CV, and contact information of three references) to Dr. Lixin Wang (lxwang@iupui.edu). Review of applications will start immediately and continue until the position is filled.



University of Michigan Postdoctoral Research Associate: Multifunctionality of Forest Ecosystems

We seek a postdoctoral researcher to join a collaborative team of ecologists in studying the integrated nature of forest functions that are critical for productivity, water and energy usage, and nutrient cycling. The post-doc will leverage available data from the University of Michigan Biological Station and northern Great Lakes to develop models of forest multifunctionality that include functions' codependencies. The postdoctoral researcher will be based at the University of Michigan and collaborate with Drs. Inés Ibáñez (U. Michigan), Aimee Classen (U. Michigan), and Chris Gough (Virginia Commonwealth U.). We seek candidates with a Ph.D. in ecology or closely related field. Expertise with statistical modeling and data processing is required. The initial appointment period will be for 1 year with the potential of renewal.

Applicants should email inquiries and applications (a cover letter describing research experience and goals, a curriculum vitae, reprints, and the names and addresses of three references) to Dr. Inés Ibáñez (iibanez@umich.edu) School for Environment and Sustainability, University of Michigan, Ann Arbor.

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