

# natural capital PROJECT



The 2017 Natural Capital Symposium will be held at Stanford, on March 20-23rd. Photo credit: Stanford University

## Looking forward to this year's Natural Capital Symposium

BY ANNE GUERRY

Although it is the middle of winter here in the U.S., 2017 is off to a hot start as tempers flare and ideologies clash. A wise friend recently told me, "This is a time to look squarely at the piece of land that you are responsible for." She didn't mean my scruffy little patch of yard in the urban jungle of Seattle, she was encouraging me to think about agency—to think about my true work in the world. I'm taking that advice to heart. I'm doubling down on teaching my kids to be good global citizens, I'm engaging politically in ways I haven't before, and I'm channeling more energy into work that I believe in. NatCap's work—using our heads and our hearts to unite people to create a better future for all people and nature—feels more important now than ever before.

One piece of "land" that I'm responsible for is helping to complete our preparations for the annual [Natural Capital Symposium](#) at Stanford, March 20-23rd. I love this event because it celebrates science and explores how the best available science can be used to secure a more livable planet. I love it because I've watched it grow from 40 or so people squeezed into one classroom to an increasingly global

gathering—now 300-plus people from all over the world. I love it because it had its roots in our community sharing lessons, while learning and improving NatCap approaches and tools, through discussion, connection, and above all inspiration. I love it because it is a time when smart, dedicated people gather to figure out how to transform the relationship between people and nature so that both can survive and thrive. I love it because it really feels like a movement.

This year, we're offering many of the same kinds of things that have been so successful in the past—a great set of plenaries and three "tracks" that allow attendees to learn about how natural capital approaches are making a difference on the ground, to focus on new frontiers in science and applications, and to roll-up their sleeves and do some hands-on exercises to gain practical skills for quantifying, mapping, and valuing nature's benefits.

But this year, we've got some new things in store too. On Tuesday evening, March 21st, all are invited to a social evening in the beautiful Bing Concert Hall on campus. We'll have drinks and dessert in the atrium, while exploring some gorgeous photographs that help make the connections between people and nature come alive.

We'll be trying some new things during the day too. One particularly cool session, organized by Jill Schwartz (WWF's Science Director, Communications), will feature five storytellers who have worked on the front lines of using natural capital paradigms in decision-making. Prior to the session, the storytellers will receive guidance from Jill and storytelling guru Andy Goodman to hone their stories. We all will benefit not only from hearing their stories but also from fresh ideas about how to create and tell our own.

Whether you plan to join us in person or track the goings-on on social media from afar (we'll be tweeting from [@NatCapProject](#) about [#NatCap2017](#) and experimenting with streaming some sessions via [Facebook Live](#)), we look forward to welcoming you to the event this year.



Anne Guerry  
Chief Strategy Officer & Lead Scientist

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## Embracing the Outcomes We Seek

BY MARIE DONAHUE

Next month, as people travel from all over the globe to attend the Natural Capital Symposium, we hope each participant takes a moment to reflect on what will make this experience personally meaningful and to ask themselves, "What do I look forward to? What do I plan to share? With whom would I like to connect? And, what do I hope to learn?" It is, after all, our goal to provide each participant the space to share, connect, and learn in significant ways. To achieve this, Symposium organizers have ensured there will be...



*Photo credit: Stacey Solie / Natural Capital Project*

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## #NatCap2017, Be Social!

BY MARIE DONAHUE

Whether listening to first-hand accounts of natural capital knowledge in action during one of the morning Coffeehouse Chats, admiring a creative data visualization of ecosystem services trade-offs during the Poster Session, catching up with a far-flung colleague over lunch, perusing gorgeous photographs of people and nature at our evening art exhibit, or following the conversation on social media with the hashtag [#NatCap2017](#), there will be no shortage of activities, both structured and unstructured, to meet new people and strengthen relationships at this year's Symposium.



We strongly encourage you to show up and take advantage of these and all of the other great opportunities to connect with one another next month. In the end, it is all of you—your new or familiar faces—that strengthen the ecosystem services community, expand our networks, create impact, and inspire others. So don't be afraid to be social!

Please note, we are still accepting submissions for the Poster Session (evening of Monday, March 20), and welcome you to contribute a poster [here](#) before the deadline of March 3, 2017.

*Photo credit: Stacey Solie / Natural Capital Project*

# InVEST

integrated valuation of  
ecosystem services  
and tradeoffs

InVEST is our flagship tool with 18 different models for mapping and valuing ecosystem services. Check out all our software at [naturalcapitalproject.org/software](http://naturalcapitalproject.org/software).

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## Recent Press & Publications

### [Beyond the Source: The Environmental, Economic and Community Benefits of Source Water Protection](#)

Abell, Robin, Nigel Asquith, Giulio Boccaletti, Leah Bremer, Emily Chapin, Andrea Erickson-Quiroz, Jonathan Higgins, Justin Johnson, Shiteng Kang, Nathan Karres, Bernhard Lehner, Rob McDonald, Justus Raeppele, Daniel Shemie, Emily Simmons, Aparna Sridhar, Kari Vigerstøl, Adrian Vogl, Sylvia Wood  
*The Nature Conservancy. Arlington, VA, USA. 2017.*

### [Strengthening protected areas for biodiversity and ecosystem services in China](#)

Xu, Weihua, Yi Xiao, Jingjing Zhang, Wu Yang, Lu Zhang, Vanessa Hull, Zhi Wang, Hua Zheng, Jianguo Liu, Stephen Polasky, Ling Jiang, Yang Xiao, Xuwei Shi, Enming Rao, Fei Lu, Xiaoke Wang, Gretchen C. Daily, and Zhiyun Ouyang  
*Proc Natl Acad Sci. January 30, 2017. Early edition. doi: 10.1073/pnas.1620503114*

"Designing Agricultural Watersheds with Science and Community Engagement"

by *Kris Johnson (TNC) and Derric Pennington (WWF-US)*

Available via [WWF On Balance](#) and [TNC Cool Green Science](#). December 2016

### [Multi-site interactions: Understanding the offsite impacts of land use change on the use and supply of ecosystem services](#)

Sonter, Laura J., Justin A. Johnson, Charles C. Nicholson, Leif L. Richardson, Keri B. Watson, Taylor H. Ricketts  
*Ecosystem Services. February 2017. 23, 158-164. doi: 10.1016/j.ecoser.2016.12.012*

### ["Water Is Life" Local Perceptions of Páramo Grasslands and Land Management Strategies Associated with Payment for Ecosystem Services.](#)

Farley, Kathleen A. and Leah L. Bremer

*Ann. Am. Assoc. Geogr. 4452, 1-11, 3 January 2017. doi: 10.1080/24694452.2016.1254020*

### [Informing watershed planning and policy in the Truckee River basin through stakeholder engagement, scenario development, and impact evaluation.](#)

Podolaka, Kristen, Erik Lowe, Stacie Wolny, Barry Nickel, Rodd Kelsey

*Environmental Science & Policy. 69, 124-135. March 2017. doi: 10.1016/j.envsci.2016.12.015*

### [Connecting the fragmented habitat of endangered mammals in the landscape of Riau-Jambi-Sumatera Barat \(RIMBA\), central Sumatra, Indonesia \(connecting the fragmented habitat due to road development\)](#)

Sulistyawan, Barano Siswa, Bradley A. Eichelberger, Pita Verweij, Rene' G.A. Boot, Oki Hardian, Gemasakti Adzan, Wisnu Sukmantoro

*Global Ecology and Conservation. 9, 116-130. January 2017, doi: 10.1016/j.gecco.2016.12.003*

[Guiding phosphorus stewardship for multiple ecosystem services](#)

MacDonald, Graham K., Helen P. Jarvie, Paul J. A. Withers, Donnacha G. Doody, Bonnie L. Keeler, Philip M. Haygarth, Laura T. Johnson, Richard W. McDowell, Michael K. Miyittah, Stephen M. Powers, Andrew N. Sharpley, Jianbo Shen, Douglas R. Smith, Michael N. Weintraub, Tiequan Zhang

*Ecosystem Health and Sustainability*. 2(12):e01251. 21 December 2016. doi: 10.1002/ehs2.1251

[Sediment delivery modeling in practice: comparing the effects of watershed characteristics and data resolution across hydroclimatic regions.](#)

Hamel, P., K. Falinski, D. Auerbach, J.P. Dennedy-Frank, M. Sanchez-Canales

*Science of the Total Environment*. In Press. 28 December 2016. doi:

10.1016/j.scitotenv.2016.12.103

[Fuzzy Models to Inform Social and Environmental Indicator Selection for Conservation Impact Monitoring](#)

Game, Edward T., Leah L. Bremer, Alejandro Calvache, Pedro H. Moreno, Amalia Vargas, Baudelino Rivera, Lina Maria Rodriguez.

*Conservation Letters*. 24 December 2016. doi: 10.1111/conl.12338

[Natural Capital and Roads: Managing Dependencies and Impacts on Ecosystem Services for Sustainable Road Investments](#)

Mandle, Lisa, Rob Griffin, Josh Goldstein, Rafael M. Acevedo-Daunas, Ashley Camhi, Michele H. Lemay, Elizabeth Rauer, Victoria Peterson

*Inter-American Development Bank*. October 2016. doi: 10.18235/0000387

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