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Assistant Professor  
Drivers of Environmental Change in the Oceans Research Lab  
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### **INTERESTS**

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Biological Invasions, Climate Change Effects on Marine Invasive Species, Conservation Biology, Coral Reef Ecology, Data-limited Tropical Fisheries, Multiple Stressors in Marine Systems, Marine Ecosystem Resilience

### **EDUCATION**

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2020 Doctor of Philosophy, Biological Sciences, Simon Fraser University, BC, Canada, Senior Advisor: Isabelle M. Côté  
Thesis: *Conceptual and Applied Approaches to Marine Invasions*

2010 Master of Science, Zoology, University of British Columbia, BC, Canada, Senior Advisor: Jonathan B. Shurin  
Thesis: *Lionfish Invasion in Nearshore Waters of The Bahamas: An Examination of the Effects of Artificial Structures and Invader versus Native Species Colonization Rates*

2006 Bachelor of Science (Honours) with High Distinction, double major in Zoology and English, University of Toronto, Trinity College, ON, Canada

### **GRANTS AND FELLOWSHIPS**

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2021 Liber Ero Postdoctoral Fellowship, (CDN 77,500 per year for 2 years)

2019 Canadian Society for Ecology and Evolution, Travel Award (CDN \$500)

2018 Bullitt Environmental Prize, Bullitt Foundation (USD\$100,000)

2017 Simon Fraser University, Graduate Fellowship (CAD\$6,500)

2017 Society for Conservation Biology, Latin America and Caribbean Section, Professional Development Scholarship (USD\$2,000)

2016 The Bahamas Ministry of Education, Graduate Academic Scholarship (USD\$7,500), renewed

2016 Simon Fraser University, Travel and Minor Research Award, (CAD\$650)

2015 Organization of American States, Academic Graduate Scholarship (USD\$46,930)

2015 Canadian Lyford Cay Foundation, Graduate Scholarship (CAD\$10,000), renewed

2015 The Bahamas Ministry of Education, Graduate Academic Scholarship (USD\$7,500), renewed

2014 Canadian Lyford Cay Foundation, Graduate Scholarship (CAD\$10,000), renewed

2014 The Bahamas Ministry of Education, Graduate Academic Scholarship (USD\$7,500), renewed

2014 Simon Fraser University, Glen Geen Scholarship for Marine Biology, (CAD\$900)

2013 Simon Fraser University, Provost International Fellowship (CAD\$15,000)

2013 Canadian Lyford Cay Foundation, Graduate Scholarship (CAD\$10,000)

- 2013 The Bahamas Ministry of Education, Graduate Academic Scholarship (USD\$7,500)
- 2013 Simon Fraser University, Graduate Entrance Scholarship (CAD\$6,250)
- 2009 University of British Columbia, Faculty of Science Graduate Award (CAD\$2,000)
- 2008 University of British Columbia, Graduate Fellowship (CAD\$8,000)
- 2008 Disney Worldwide Conservation Fund, with Kathleen Sullivan Sealey (USD\$10,000)
- 2007 Disney Worldwide Conservation Fund, with Kathleen Sullivan Sealey (USD\$12,000)

## AWARDS

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- 2021 Selected as an Early Career Researcher to participate in the 5<sup>th</sup> Andina workshop on 'Doing Ecology Differently' held June 2022 in Benasque, Spain
- 2016 Selected by the Royal Society, London, as an "Outstanding PhD Student in Biology" to participate in the 2017 Commonwealth Science Conference in Singapore
- 2015 Best Talk, IDEAS (Interdepartmental Ecology of Aquatic Systems) Symposium, Simon Fraser University
- 2010 Best Talk, Zoology Graduate Student Symposium, University of British Columbia
- 2009 Best Talk, Honorable Mention, 30<sup>th</sup> Pacific Ecology and Evolution Conference
- 2006 Trinity College Scholar for Outstanding Academic Achievement, University of Toronto
- 2006 George Gray Falle Scholarship for High Achievement in English, University of Toronto

## RELEVANT EMPLOYMENT

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- 2023-present **Assistant Professor**, Department of Biology, Concordia University, Montreal, QC, Canada
- 2021-2023 **Liber Ero Postdoctoral Fellow**, "Managing for a warming ocean: a global comparison and national risk analysis of marine range shifts and invasive species under climate change scenarios", University of British Columbia
- 2020-2021 **Postdoctoral Fellow**, "Marine Invasive Species Risk Assessments," Simon Fraser University
- 2019-2021 **Marine Invasive Species Specialist**, "Preventing the Costs of Invasive Alien Species in Barbados and the Organization of Eastern Caribbean States," Global Environment Facility/United Nations Environment Programme (GEF/UNEP) project, administered by Centre for Agriculture and Biosciences (CAB) International
- 2010-2013 **Experiment Coordinator**, "The Bahamas Lionfish Control Pilot Project," Global Environment Facility/United Nations Environment Programme (GEF/UNEP) project on "Mitigating the Threats of Invasive Alien Species in the Insular Caribbean," administered by the Government of The Bahamas, Department of Marine Resources, Nassau, The Bahamas
- 2007 **Research Assistant**, Earthwatch Institute, Coastal Ecology of The Bahamas project, Great Exuma, The Bahamas.
- 2006-2007 **Research Assistant**, The College of The Bahamas, Marine and Environmental Studies Institute, Nassau, The Bahamas.
- 2005 **Environmental Officer** (paid internship), Government of The Bahamas, Bahamas Environment Science and Technology (BEST) Commission, Nassau, The Bahamas.

## TEACHING

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- 2021 **Professional Trainer**, Invasive Alien Species (IAS) Vector and Risk Assessment Professional Training Workshop, GEF/UNEP project,

	“Preventing the Costs of Invasive Alien Species in Barbados and the Organization of Eastern Caribbean States” June 2021
2021	<b>Co-supervisor</b> with Isabelle Côté, 4 <sup>th</sup> year undergraduate research course on invasive species risk assessments, Simon Fraser University, BC, Canada, May – August 2021
2021	<b>Guest Lecture</b> , Invasive species ecology and management, 4 <sup>th</sup> year undergraduate course, Simon Fraser University, BC, Canada, March 2021
2021	<b>Guest Lecture</b> , Biotic resistance to invasive Indo-Pacific lionfish on Caribbean coral reefs, 4 <sup>th</sup> year undergraduate course, University of Washington, Seattle, USA, February 2021
2020	<b>Co-supervisor</b> with Isabelle Côté, undergraduate independent research study on the diet and feeding ecology of Caribbean groupers, Simon Fraser University, BC, Canada, May – August 2020
2020	<b>Guest Lecture</b> , Invasive species, “Conservation Biology,” 3 <sup>rd</sup> year undergraduate course, Simon Fraser University, BC, Canada, February 2020
2019	<b>Guest Lecture</b> , The ecology of fear and biotic resistance, “Introduction to Ecology,” 2 <sup>nd</sup> year undergraduate course, Simon Fraser University, BC, Canada, October 2019
2018	<b>Teaching Assistant</b> , “General Biology,” 1 <sup>st</sup> year undergraduate course, Simon Fraser University, Burnaby, BC, Canada
2010	<b>Teaching Assistant</b> , “Principles of Conservation Biology,” 4 <sup>th</sup> year undergraduate course, University of British Columbia, Vancouver, BC, Canada
2009	<b>Guest Lecture</b> , The lionfish invasion in the Caribbean, “Principles of Conservation Biology,” 4 <sup>th</sup> year undergraduate course, University of British Columbia, Vancouver, BC, Canada, 26 <sup>th</sup> March 2009
2009	<b>Teaching Assistant</b> , “Principles of Conservation Biology,” 4 <sup>th</sup> year undergraduate course, University of British Columbia, Vancouver, BC, Canada
2009	<b>Teaching Assistant</b> , “Fundamentals of Ecology,” 3 <sup>rd</sup> year undergraduate course, University of British Columbia, Vancouver, BC, Canada
2008	<b>Teaching Assistant</b> , “Laboratory Investigations in Life Sciences,” 1 <sup>st</sup> year undergraduate course, University of British Columbia, Vancouver, BC, Canada

## **PROFESSIONAL SERVICE**

2022	<b>Regional Peer Reviewer</b> , Fisheries and Oceans Canada, Centre for Science Advice Pacific, “Evaluation of Methods for Identification of Early Detection Monitoring Sites for Invasive European Green Crab in the Salish Sea, British Columbia”, Vancouver, BC, Canada
2021	<b>Science Content Reviewer</b> , “Science & Global Issues” high school course development, Science Education for Public Understanding Program, Lawrence Hall of Science, University of California at Berkeley Public Science Museum
2020-present	<b>Associate Editor</b> (Marine Invasions), NeoBiota
2019-2020	<b>Co-organizer</b> , Statistics Graduate Student Study Group (Stats Beerz), Simon Fraser University, Burnaby, BC, Canada
2015-2017	<b>Diversity Committee</b> , Marine Section, Society for Conservation Biology

- 2015-2016 **Technical Advisor**, Invasive species group, “Conservation Leadership in the Caribbean Fellows Programme”, funded by the US Fish & Wildlife Service, International Affairs
- 2010-present **Collaborator**, FishBase (Online encyclopedia of fishes, [www.fishbase.org](http://www.fishbase.org))

## **PUBLICATIONS**

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### **Peer-reviewed journals**

**Smith NS**, Saleh M, Sumaila R, Baum JK, Costa M, Giang A, Fuller S, Martone R, Cheung W Guidelines for Canada’s ocean economy to contribute to net zero. (*In prep.*)

**Smith NS**, Pauly D Multiple stressors drive sponge fishery collapse (*In prep.*)

**Smith NS**, Cheung WL Climate change facilitates marine invasions: a global meta-analysis. (*In prep.*)

Pauly D, **Smith NS** and Butler M (2022) Growth and related traits of the sheepswool sponge *Hippospongia lachne*: practical and theoretical considerations *Fishery Bulletin* 120(2): 99-112.

\***Media**: Verve Times, “Sponges need oxygen, as fish and people do” 31 March 2022

Davies SW, Putman HM, Ainsworth TD, Baum JK, Bove CB, Crosby SC, Côté IM, Duploup A, Fulweiler RW, Griffin AJ, Hanley TC, Hill TM, Humanes A, Mangubhai S, Metaxas A, Parker LM, Rivera HE, Silbiger NJ, **Smith NS**, Spalding AK, Traylor-Kowles N, Weigel BL, Wright RM and Bates A (2021) Promoting inclusive metrics of success and impact to dismantle a discriminatory reward system in science. *PLoS Biology* 19(6): e3001282.

**Smith NS** and Côté IM (2021) Biotic resistance on coral reefs? Direct and indirect effects of native predators and competitors on invasive lionfish. *Coral Reefs* 40: 1127-1136

\* **Media**: The Conversation Canada, “How fear of being eaten might help keep invasive lionfish from taking over reefs” 24 August 2021

\* **Media**: Undercurrent, “The lionfish’s fear of being eaten: could the groupers’ appetite be crucial?” March 2022, Vol. 37, No. 3,

[https://www.undercurrent.org/UCnow/dive\\_magazine/2022/LionfishFear202203.html](https://www.undercurrent.org/UCnow/dive_magazine/2022/LionfishFear202203.html)

Freire KMF, Belhabib D, Espedido JC, Hood L, Kleisner KM, Lam VWL, Machado ML, Mendonça JT, Meeuwig JJ, Moro PS, Motta FS, Palomares MLD, **Smith N**, Teh L, Zeller D, Zyllich K and Pauly D (2020) Estimating global catches of marine recreational fisheries. *Frontiers in Marine Science* 7:12.

Francis FT, Howard BR, Berchtold AE, Branch TA, Chaves LCT, Dunic, JC, Favaro B, Jeffrey KM, Malpica-Cruz L, Maslowski N, Schultz JA, **Smith NS** and Côté IM (2019) Shifting headlines? Trends in sizes of newsworthy fishes. *PeerJ* 7: e6395

**Smith NS** and Côté IM (2019) Multiple drivers of contrasting diversity-invasibility relationships at fine spatial grains. *Ecology* 100(2): e02573

Côté IM and **Smith NS** (2018) The lionfish invasion: Has the worst-case scenario come to pass? *Journal of Fish Biology* 92:660-689.

**Smith NS**, Côté IM, Martinez-Estevéz L, Hind-Ozan E, Quiros A, Johnson N, Green SJ, Cornick L, Shiffman D, Malpica-Cruz L, Gleason Besch A and Shiel-Rolle N (2017) Diversity and inclusion in conservation: a proposal for a marine diversity network. *Frontiers in Marine Science* 4:234.

Malpica-Cruz L, Haider W, **Smith NS**, Fernández-Lozada S and Côté IM (2017) Heterogeneous attitudes towards lionfish in the Mexican Caribbean: implications for invasive

species management. *Frontiers in Marine Science* 4:138.

**Smith NS**, Green SJ, Akins JL, Miller S and Côté IM (2017) Density-dependent colonization and natural disturbance limit the effectiveness of invasive lionfish culling efforts. *Biological Invasions* 19:2385-2399.

\* **Media:** Anthropocene Magazine, “The trouble with lionfish control” 28 June 2017

**Smith NS** and Zeller D (2016) Unreported catch and tourist demand on local fisheries of small island states: the case of The Bahamas, 1950-2010. *Fishery Bulletin* 114:117-131.

\* **Media:** Sport Fishing Magazine, “Bahamas Considers Granting Commercial Fishing Rights to Chinese” 14 Nov 2016

\* **Media:** Inter Press Service (IPS) News Agency, “One Fish, Two Fish, No Fish: Rebuilding of Fish Stocks Urgently Needed” 21 Jan 2016

Hind EJ, Alexander SM, Green SJ, Kritzer JP, Sweet MJ, Johnson AE, Amargós FP, **Smith NS** and Peterson AM (2015) Fostering effective international collaboration for marine science in small island states. *Frontiers in Marine Science* 2:86.

Côté IM, Darling ES, Malpica-Cruz L, **Smith NS**, Green SJ, Curtis-Quick J, Layman C (2014) What doesn't kill you makes you wary? Effect of repeated culling on the behaviour of an invasive predator. *PLoS ONE* 9(4): e94248.

#### **Other contributions**

Martinangeli L, Fournier M, Butler M, Tsikliras AC, **Smith NS**, Palomares MLD, Derrick B, Chu E, Pauly D (2022) The global catch of commercial sponges (1950-2019). Fisheries Centre Research Reports Vol. 30, No.4

**Smith NS** (2021) “How fear of being eaten might help keep invasive lionfish from taking over reefs”. The Conversation Canada, 24 August 2021

**Smith NS**, Gray AR, Hollarsmith J, Côté IM (2021) Preventing the costs of invasive alien species (IAS) in Barbados and the Organization of Eastern Caribbean States. GEF, UNEP, CABI Technical report GEFSED ID 9408. 120 pp.

**Smith NS** and Zeller D (2016) Bahamas. In: D. Pauly and D. Zeller (eds) Global Atlas of Marine Fisheries: A Critical Appraisal of Catches and Ecosystem Impacts. Island Press, Washington D.C.

**Smith NS** and Zeller D (2013) Bahamas reconstruction: fisheries trends in a tourism-driven economy (1950-2010). UBC Fisheries Centre Working Paper #2013-08, Vancouver (Canada). 29 p.

Ramdeen R, Harper S, Frotté L, Lingard S, **Smith N**, Zyllich K, Zeller D and Pauly D (2012) Reconstructed total catches by the marine fisheries of small island states in the wider Caribbean (1950-2010) In: Proceedings of the 65<sup>th</sup> Gulf and Caribbean Fisheries Institute, pp. 69-75.

**Smith NS** (2011) Lionfish invasion: an opportunity for collaboration, creativity and growth in marine conservation. *Sea Around Us Newsletter*, Jan./Feb. (63): 3-4.

Sullivan Sealy K, Anderson L, Stewart D and **Smith N** (2008) The invasion of Indo-Pacific lionfish in The Bahamas: Challenges for a national response plan. In: *Proceedings of the 61st Gulf and Caribbean Fisheries Institute*, pp. 404-408.

**Smith NS** and Sullivan Sealey KS (2007) The lionfish invasion in The Bahamas: What do we know and what to do about it? In: *Proceedings of the 60th Gulf and Caribbean Fisheries Institute*, pp. 419-423.

## PROFESSIONAL PRESENTATIONS

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- 2023 **Invited Speaker**, Graduate Student Hosted Seminar, School of Aquatic and Fisheries Sciences, University of Washington, “Drivers of marine ecological change and the need to diversify ecology” Seattle, Washington, USA
- 2023 **Keynote Address**, 11<sup>th</sup> International Conference on Marine Bioinvasions (ICMB XI), Society for the Study of Marine Bioinvasions, “Patterns and perspectives to marine invasions in the Caribbean”, Baltimore, Maryland, USA
- 2023 **Invited Speaker**, Oceans and Fisheries Seminar, University of British Columbia, “Addressing the challenges of overexploitation, invasive species, and climate change to ocean sustainability”, Vancouver, BC, Canada
- 2023 **Keynote Address**, National Research Conference for Black Excellence in Science, Technology, Engineering, Mathematics, and Medicine/Health (BE-STEMM 2023) “Addressing the challenges of overexploitation, invasive species, and climate change to ocean sustainability”, Virtual
- 2022 **Keynote Address**, Mid-Atlantic Chapter, American Fisheries Society, “Climate change effects on marine invasive species globally”, Ashbury Park, New Jersey, USA
- 2022 **Invited Speaker**, Canadian Zoological Society Conference, Integrative Ecology and Evolution Symposium on Invasive Species in a Changing World, “Overexploitation and climate change undermine marine invasive species management”, Virtual
- 2022 **Invited Speaker**, Oceans and Climate Change in Canada Breakfast, Oceans North and the Liber Ero Fellowship Program, “Putting Marine Industries on the Pathway to Net-Zero Emissions in Canada”, Ottawa, ON, Canada
- 2022 **Invited Speaker**, Rice University, “Addressing the challenges of overexploitation, invasive species and climate change to ocean sustainability”, Houston, Texas, USA
- 2022 **Invited Speaker**, Woods Hole Oceanographic Institution, “Addressing the challenges of overexploitation and invasive species to ocean sustainability under global change”, Massachusetts, USA
- 2022 **Invited Speaker**, American Museum of Natural History, “Addressing the challenges of overexploitation and invasive species to ocean sustainability under global change”, New York, USA
- 2022 **Invited Speaker**, Kansas State University Student Chapter of the Wildlife Society, “Managing the Indo-Pacific lionfish invasion on Caribbean coral reefs”, Kansas, USA
- 2021 **Invited Departmental Speaker**, University of Miami, “Conceptual and applied approaches to marine invasions: Indo-Pacific lionfish as a model system”, Florida, USA
- 2021 **Invited Speaker**, Ocean Frontier Institute Speaker Series, Dalhousie University, “Conceptual and applied approaches to marine invasions: Indo-Pacific lionfish as a model system”, Nova Scotia, Canada
- 2020 **Invited Departmental Speaker**, Wilfred Laurier University, “Conceptual and applied approaches to marine invasions: Indo-Pacific lionfish as a model system”, Ontario, Canada
- 2020 **Invited Departmental Speaker**, Oregon State University, “Conceptual and applied approaches to marine invasions: Indo-Pacific lionfish as a model system”, Oregon, USA.
- 2020 **Invited Departmental Speaker**, University of Bern, “Conceptual and applied approaches to marine invasions: Indo-Pacific lionfish as a model system”, Bern, Switzerland
- 2020 **Invited Speaker**, Terranaut Club of Nova Scotia, “My career journey in marine science”, Nova Scotia, Canada
- 2020 **Invited Speaker**, Bamfield Marine Science Centre, “From managing the lionfish invasion in the Caribbean to diversity in science,” Vancouver Island, BC, Canada

- 2020 **Invited Speaker**, Bellingham Technical Community College, “Managing the lionfish invasion in the Caribbean,” Washington, USA.
- 2019 Western Society of Naturalists, “Biotic resistance through fear of native predators on Caribbean coral reefs,” Ensenada, Baja California, Mexico
- 2019 Canadian Society for Ecology and Evolution, “Fear of native predators promotes biotic resistance on Caribbean coral reefs,” Fredericton, New Brunswick, Canada
- 2019 **Invited Speaker**, University of British Columbia, Sea Around Us Initiative 20<sup>th</sup> Anniversary Symposium, “Reconstructing Bahamas recreational catch: Big fish tales, big tourism, and big impacts,” Vancouver, BC, Canada
- 2017 **Invited Poster**, Commonwealth Science Conference, “Density-dependent colonization and hurricanes limit the effectiveness of invasive lionfish culling efforts” Singapore
- 2017 Canadian Society for Ecology and Evolution, “The diversity-invasibility relationship: does spatial scale really explain the invasion paradox?” Victoria, BC, Canada
- 2016 4<sup>th</sup> International Marine Conservation Congress, “To cull or not to cull an invasive predator? It depends . . .” St. John’s, NL, Canada.
- 2016 **Speaker and Panelist**, 32<sup>nd</sup> Committee on Fisheries, Food and Agriculture Organization of the United Nations (FAO), Reliable Fishery Statistics and Its Importance for Food Security Assessments side event, “The other half of the story: unreported recreational catch data for The Bahamas,” Rome, Italy.
- 2016 13<sup>th</sup> International Coral Reef Symposium, “To cull or not to cull an invasive predator? It depends . . .” Hawaii, USA.
- 2016 **Invited Speaker**, Conservation Leadership in the Caribbean Training Workshop, St. George’s University, “Managing the Indo-Pacific lionfish invasion in the region,” St. George, Grenada.
- 2015 IDEAS (Interdepartmental Ecology of Aquatic Systems) Symposium, Simon Fraser University, “Meta-analysis of the diversity-invasibility relationship: Does spatial scale really explain the invasion paradox?” Burnaby, BC, Canada.
- \*Awarded Best Talk**
- 2015 Les Ecologistes Seminar, Simon Fraser University, “Non-lethal effects of native predators on invasive lionfish,” Burnaby, BC, Canada.
- 2014 95<sup>th</sup> Western Society of Naturalists Conference, “Meta-analysis of the diversity-invasibility relationship: Does spatial scale really explain the invasion paradox?” Washington, USA.
- 2014 Les Ecologistes Seminar, Simon Fraser University, “What’s the catch? Linking tourism, big fish tales and unreported fisheries catches in The Bahamas (1950-2010),” Burnaby, BC, Canada.
- 2013 1<sup>st</sup> Bahamas Natural History Conference, The College of The Bahamas, “The Bahamas lionfish control pilot project: its origin and current status,” Nassau, The Bahamas.
- 2013 1<sup>st</sup> Bahamas Natural History Conference, The College of The Bahamas, Bahamas fisheries catch reconstruction: fisheries trends in a tourism-driven economy (1950-2010),” Nassau, The Bahamas.
- 2013 **Invited Speaker**, Insular Caribbean Aquatic Invasive Species Risk Assessment Tool Training Workshop, Discovery Bay Marine Laboratory, University of the West Indies at Mona, “The Bahamas lionfish control pilot project,” Discovery Bay, Jamaica.
- 2012 178<sup>th</sup> American Association for the Advancement of Science Conference, “Domestic supply versus rising demand: fisheries trends in a tourism-driven economy,” Vancouver, BC, Canada.

- 2010 63<sup>rd</sup> Gulf and Caribbean Fisheries Institute Meeting, “Artificial structures facilitate Indo-Pacific lionfish invasion in marginal Atlantic habitats,” San Juan, Puerto Rico.
- 2010 Zoology Graduate Student Symposium, University of British Columbia, “Artificial structures facilitate Indo-Pacific lionfish invasion in marginal Atlantic habitats,” Vancouver, BC, Canada.  
**\*Awarded Best Talk**
- 2009 90<sup>th</sup> Western Society of Naturalists Conference, “Consequences of coastal habitat modification for marine fish invasion,” Seaside, CA, USA.
- 2009 30<sup>th</sup> Pacific Ecology and Evolution Conference, Bamfield Marine Science, Bamfield Marine Sciences Centre, “Can species traits predict colonization success in Caribbean reef fishes?” Vancouver Island, BC, Canada.  
**\*Awarded Best Talk, Honorable Mention**

## RESEARCH IMPACT

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- 2018 Unreported Queen conch catch estimates from Smith and Zeller (2016) were used by The Bahamas National Trust to inform a white policy paper on the local Queen conch fishery that was submitted to the Bahamian government
- 2017 Unreported recreational catch estimates from Smith and Zeller (2016) were officially endorsed by the Government of The Bahamas, and submitted by the Bahamian Government to the FAO (retroactively for the years 1950-2015) to be incorporated in the FAO Global Fisheries Database
- 2016 Unreported grouper catch estimates from Smith and Zeller (2016) were added to the central database of the IUCN Groupers and Wrasses Specialist Group and used to aid in the 10-year reassessment of groupers in the Caribbean based on Red List criteria and categories.

## WORKSHOPS AND FOCUS GROUPS

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- 2022 Liber Ero Retreat, “Science Communication”, Banff, AB, Canada
- 2022 **Virtual workshop co-organizer** with William Cheung (UBC), Rashid Sumaila (UBC), Rebecca Martone (Tula Foundation), and Kathryn Turner (Tula Foundation), “Putting Canada’s ocean economy on the path to net zero”
- 2022 Liber Ero Retreat, “Bridging the Science and Policy Worlds”, Ottawa, ON, Canada
- 2021 Liber Ero Retreat, “Canadian Conservation Legislation and Policy”, Galiano Island, BC, Canada
- 2019 COMPASS “Advanced science communication workshop”, Simon Fraser University, BC, Canada
- 2019 “Instructional skills workshop,” Center for Teaching and Learning, Simon Fraser University, BC, Canada
- 2018 “Mental health workshop for graduate students,” Dept. of Biological Sciences and Health and Counseling Center (hosts), Simon Fraser University, BC, Canada
- 2018 “Communicating science workshop for graduate students in STEM, Pacific Northwest Region” (ComSciCon-PNW 2018), University of Washington, Seattle, WA, USA
- 2016 “Advanced statistical analyses (GLMMs) in R workshop,” Led by Sean Anderson, University of Washington, Simon Fraser University Research Commons (host), BC, Canada
- 2016 “Communicating your science to the public workshop,” Led by Lesley Evans Ogden, Freelance science journalist, Earth to Ocean Research Group (host), Simon Fraser University, Burnaby, BC, Canada.



- 2016 **Focus group co-organizer** (with Luli Martinez, UC Santa Cruz), “Diversity and inclusion in conservation and the creation of a marine diversity network,” 4<sup>th</sup> International Marine Conservation Congress, St. John’s, NL, Canada.
- 2013 “Insular Caribbean aquatic invasive species risk assessment tool workshop,” Coral Reef Alliance (organizer), Montego Bay, Jamaica.
- 2013 “Economic analyses of invasive species in the insular Caribbean workshop,” Landcare Research New Zealand (organizer), St. Augustine, Trinidad and Tobago.
- 2008 “Non-native marine fish introductions of South Florida” workshop, NOAA, USGS and REEF (organizers), Marathon, FL, USA.
- 2007 “Mitigating the threats of invasive alien species in the insular Caribbean”, workshop, BEST Commission, Ministry of Energy and the Environment (organizer), Nassau, The Bahamas.

## **OUTREACH IN POPULAR MEDIA**

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### **Panel**

- 2022 Virtual panel discussion on “Science as a Career Path” for the Ottawa Catholic School Board’s STEAM week as part of the Canadian Black Scientists Network outreach program, 23 February 2022
- 2021 Virtual panel discussion on “Science as a Career Path” aimed at high school students throughout Canada as part of the Canadian Black Scientists Network outreach program, 16 December 2021

### **Podcast**

- 2021 Interviewed by Science World Stories program as a part of Black History Month Celebrations, “Solving real-world problems with Dr. Nicola S. Smith”, <https://www.scienceworld.ca/stories/solving-real-world-problems-with-dr-nicola-s-smith/>
- 2018 Main findings from Smith et al. (2017) study on lionfish culling summarized in 3-minute podcast on “The Marine Ecology Lab” website. Voice: N Smith. <https://tmel.wordpress.com/hear-our-papers/>

### **Print**

- 2022 Pauly, Smith, and Butler (2020) study on the wool sponge featured in “Sponges need oxygen, as fish and people do,” Verve Times, 31 March 2022.
- 2021 Smith and Côté (2021) study on biotic resistance through fear featured in “How fear of being eaten might help keep invasive lionfish from taking over reefs,” The Conversation Canada, 24 August 2021.
- 2018 Interviewed in “2018 Bullitt Environmental Prize recognizes Bahamian marine biologist,” The Nassau Guardian newspaper, 24 September 2018.
- 2017 Smith et al. (2017) study on lionfish culling featured in “The Trouble with Lionfish Control” for Anthropocene Magazine, 28 June 2017.
- 2016 Smith and Zeller (2016) catch reconstruction study highlighted in “Bahamas Considers Granting Commercial Fishing Rights to Chinese” for Sport Fishing Magazine, 14 November 2016.
- 2016 Interviewed in “One Fish Two Fish, No Fish: Rebuilding of Fish Stocks Urgently Needed” for Inter Press Service (IPS) News Agency, 21 January 2016.
- 2013 Featured in “Caretaker for Our Seas, Bridge to the Future, 40 Under 40” for The Bahamas 40<sup>th</sup> Independence Celebration Supplement, The Tribune newspaper, 9 July 2013.
- 2012 Interviewed in “Expert Title for Lionfish Project Workers,” The Tribune newspaper, 23 January 2012.

### Public Lecture

- 2019 **Invited Speaker**, Beaty Biodiversity Museum, 100<sup>th</sup> Way Cool Lecture Series, “Scaring the bleep out of invasive lionfish” Vancouver, BC, Canada, 2 June 2019.
- 2019 **Invited Speaker**, Nature Vancouver, “The lionfish invasion of the Caribbean” Vancouver, BC, Canada, 10 January 2019.
- 2018 Beaty Biodiversity Museum, 85<sup>th</sup> Way Cool Lecture Series, “Lionfish are way cool because . . .” Vancouver, BC, Canada, 4 February 2018.

### Radio

- 2018 Interviewed by BBC World Service as part of an episode on managing invasive species around the globe for BBC CrowdScience, Full episode available at <https://www.bbc.co.uk/programmes/p04d42rc/episodes/downloads>, clip promoted on social media featuring me available at <https://www.bbc.co.uk/programmes/p06g95gt>

### Television

- 2017 Featured, “An Ocean Mystery: The Missing Catch” (fisheries documentary on unreported catch and its implications for global food security, 22 April 2017 television premiere on the Smithsonian Channel), The Khaled bin Sultan Living Oceans Foundation, Annapolis, MD, USA.  
<https://www.livingoceansfoundation.org/outreach/films/an-ocean-mystery/>
- 2013 Featured, “Conquerors” (four-part invasive species documentary series), Lionfish segment, ZED production for Arte, Paris, France.

### Webinar

- 2020 **Invited Speaker**, “Envisioning the past, present and future of the sponge fisheries of The Bahamas,” Bahamas Natural History Conference 5 Webinar Series, originally aired 15 July 2020.
- 2015 **Co-presenter**, “How to Improve Marine Conservation Research in Small Island States,” Hosted on Open Channels, originally aired 16 Dec. 2015.

### YouTube video

- 2022 Short summary video of project on putting Canada’s ocean economy on the path to net zero as part of World Oceans Week 2022,  
<https://www.youtube.com/watch?v=UQRFLMPmzhM&t=3s>

### JOURNAL AND RESEARCH GRANT REVIEWS

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- Biological Conservation; Ecology; Ecology and Evolution; Ecosphere; Global Change Biology (2); Journal of Experimental Marine Biology and Ecology; Latin American Journal of Aquatic Research; Marine Ecology Progress Series; Oecologia; PLoS ONE; NOAA NMFS Marine Fisheries Initiative grant competition; Regional Studies in Marine Science

### OTHER ACTIVITIES

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- 2019 **Peer Tutor**, Advanced Statistics, Simon Fraser University
- 2017 **Conference Facilitator**, Canadian Society for Ecology and Evolution Conference, Victoria, BC, Canada
- 2016 **Organizing Committee**, Advanced Statistical Analyses (GLMMs) in R Workshops, Simon Fraser University
- 2016 **Organizing Committee**, Graduate Student Hosted Seminar and Workshop, Simon Fraser University
- 2014-2016 **Graduate Student Representative**, Departmental Graduate Studies Committee, Simon Fraser University
- 2014 **Judge**, Greater Vancouver Regional Science Fair

2013-2014 **Co-organizer**, Les Ecologistes Seminar Series, Simon Fraser University

2009-2010 **Secretary**, Zoology Graduate Student Society, University of British Columbia

2009 **Ecology Session Chair**, Ecology and Evolution Retreat, Simon Fraser University, University of British Columbia and University of Victoria

2009 **Festival Facilitator**, FestEvolve, Beaty Biodiversity Museum and Research Center, University of British Columbia

2009 **Mentor and Science Fair Judge**, Let's Talk Science Partnership Program, University of British Columbia and Britannia Secondary School

2008 **Conference Facilitator**, Canadian Society for Ecology and Evolution Conference, Vancouver, BC, Canada

2004-2005 **Gallery Facilitator**, Hands-on biodiversity gallery, The Royal Ontario Museum, Toronto, ON, Canada

### **RELEVANT CERTIFICATIONS**

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2014 PADI Rescue Diver

2014 PADI Emergency Oxygen Provider

2011 REEF Advanced Assessment Team Member, Fish surveys, Tropical Western Atlantic

2011 REEF Expert Surveyor (Level 5), Fish identification, Tropical Western Atlantic

2008 Scientific Diver (Level 1), Canadian Association of Underwater Science

### **PROFESSIONAL SOCIETIES**

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- American Fisheries Society; Black Women in Ecology, Evolution and Marine Science; Canadian Black Scientists Network; Canadian Society for Ecology and Evolution; International Society for Reef Studies; Ecological Society of America; Society for Conservation Biology; Society for the Study of Marine Bioinvasions