

## **Lyudmila (Lucy) Rodina, MA**

PhD Candidate, Resource Management and Environmental Studies  
University of British Columbia, Vancouver, BC, Canada  
Email: [l.rodina@alumni.ubc.ca](mailto:l.rodina@alumni.ubc.ca) | Personal website: [www.lucyrodina.com](http://www.lucyrodina.com)

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### **RESEARCH INTERESTS**

My research interests are related to human-nature-infrastructure interactions in urban spaces, specifically related to dealing with climate change and related hydrological variability. With a focus on urban planning and governance processes, I am interested in studying the various dimensions of urban sustainability transitions, particularly those related to urban water governance. I am interested in documenting and critically investigating the various and often uneven dimensions of urban transitions towards sustainability.

### **EDUCATION**

PhD Candidate – Resource Management and Environmental Studies, 2013–2018 (exp. March)

Institute for Resources, Environment and Sustainability (IRES)

University of British Columbia (UBC), Vancouver, BC, Canada

Supervised by Dr. Leila Harris (IRES/GRSJ)

PhD Thesis: *Tracing and Situating Water Resilience: The Case of Cape Town, South Africa*

**Brief synopsis:** In my doctoral work, I address the gap in empirical and theoretical understanding of how resilience thinking is applied in the context of water governance, broadly defined. More specifically, I study the intersection of water governance, resilience and environmental justice in urban contexts. I study the nascent challenges to urban water governance in the face of global environmental change and their implications for transformation in the urban water sector. I engage critically with resilience, evaluating the various ways in which resilience thinking and planning agendas are (re)shaping urban water governance across different scales. With a specific focus on a case study from South Africa, I theorize and develop a situated understanding of water resilience – attentive to specific biophysical environments, lived experiences, socio-political and governance contexts, power and marginalization – for water experts and decision-makers on one hand, and residents of impoverished, peri-urban and informal settlements on the other. My work further informs the possibilities for addressing equity and social justice concerns within a resilience framework, by investigating the discursive and practical manifestations of questions of poverty, inequality and differentiated water-related vulnerabilities in water governance. Ultimately, this project aims to engage with resilience thinking critically by investigating the different dimensions in which resilience can be evaluated. Examples of relevant publications: Rodina et al. (2017) and Ziervogel et al (2017).

Master of Arts – Resource Management and Environmental Studies, 2011–2013

IRES, University of British Columbia, supervised by Dr. Leila Harris (IRES/GRSJ)

MA Thesis: *Lived notions of citizenship and the human right to water in Site C, Khayelitsha, Cape Town, South Africa*. Available online at:

<https://open.library.ubc.ca/cIRcle/collections/ubctheses/24/items/1.0165630>

Bachelor of Arts – International Relations, 2005–2010

University of British Columbia (Nominee for the Dean’s Award for Graduating Leaders)

University of Granada, Spain (2008-2009), with scholarship for undergraduate international exchange program

### **PUBLICATIONS**

#### **Peer reviewed journal articles**

Shah, S. H. and **L. Rodina** (Submitted, under revision) Water ethics, justice and equity in social-

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ecological systems conservation: Lessons from the Queensland Wild Rivers Act (2005). *Ethics, Policy and Environment*.

**Rodina, L.**, Baker, L.A., Galvin, M., Goldin, J., Harris, L.M., Manungufala, T., Musemwa, M., Sutherland, C., & G. Ziervogel (2017). [Water, equity and resilience in Southern Africa: Future directions for research and practice](#). *Current Opinion in Environmental Sustainability* 26-27: 143-151.

Harris, L., D. Kleiber, **L. Rodina**, S. Yaylaci, J. Goldin, & G. Owen (2017). [Water Materialities and Participatory Governance: Implications of water quality and access for participatory engagement in Accra Ghana and Cape Town, South Africa](#). *Society & Natural Resources*.

Ziervogel, G., Pelling, M., Cartwright, A., Chu, E., Deshpande, T., Harris, L., Hyams, K., Kaunda, J., Klaus, B., Kavya, M., Pasquini, L., Pharoah, R., **Rodina, L.**, Scott, D. and P. Zweig. (2017). Inserting rights and justice into urban resilience: a focus on everyday risk. [Environment and Urbanization](#) 29(1): 123-138.

**Rodina, L.** & L. M. Harris (2016). Water Services, Lived Citizenship, and Notions of the State in Marginalised Urban Spaces: The case of Khayelitsha, South Africa. [Water Alternatives](#) 9(2): 336-355.

**Rodina, L.** (2016). Human right to water in Khayelitsha, South Africa – Lessons from a ‘lived experiences’ perspective. [Geoforum](#) 72: 58-66. doi:10.1016/j.geoforum.2016.04.003

Harris, L., **Rodina, L.** & C. Morinville (2015). Revisiting the Human Right to Water from an Environmental Justice Lens. [Politics, Groups and Identities](#) 3(4): 660-665.

Morinville, C., & **L. Rodina** (2013). Rethinking the Human Right to Water: Water Access and Dispossession in Botswana’s Central Kalahari Game Reserve. [Geoforum](#), 49: 150-159.

**Rodina, L.** (2010). Burns Bog: Power Relations in the Social Production of Nature. [UBC Journal of Political Studies, March 2010](#): 67-75.

### **Book chapters**

Harris, L.M., McKenzie, S, **Rodina, L.** Shah, S.H., & N. Wilson (In Press). Water justice: key concepts, debates and research agendas. In: R. Holifield, J. Chakraborty, and G. Walker (Eds.) [The Routledge Handbook of Environmental Justice](#). London and New York, Routledge: pp. 338-349.

**Rodina, L.** (2017). Reflections on water ethics and the human right to water in Khayelitsha, South Africa. In: R. Ziegler and D. Groenfeldt (Eds). [Global Water Ethics: Towards a global ethics charter](#). London and New York, Routledge: pp 167-183.

Anderson, E., Findlater, K. M., Freeman, O. E., Levine, J., Morinville, C., Peloso, M., **Rodina, L.**, Singh, G., Tesfamichael, D., Harris, L & H. Zerriffi (2012). Bridging Disciplinary and Professional Divides to Improve International Development Research at Universities. In: W. Leal Filho (Ed). [Sustainable Development at Universities: New Horizons](#). Frankfurt, Peter Lang Publishers: pp 753-770.

### **Working papers**

Rodina, L. (2014). Implementation of the Human Right to Water in Khayelitsha, South Africa – lessons from a ‘lived experiences’ perspective. [IRES Working Paper Series](#).

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### Reports

Luker, E. & L. Rodina (2017). Policy brief: [The Future of Drought Management for Cape Town - Summary for Policy Makers](#). The University of British Columbia, Institute for Resources, Environment and Sustainability.

Beck, T., Rodina, L & E. Luker & L. Harris (2016). [Institutional and Policy Mapping of the Water Sector in South Africa](#). The University of British Columbia, Institute for Resources, Environment and Sustainability

Harris, Rodina, L, Luker E., Darkwah A & J. Goldin (2016). [Water Access in underserved areas of Accra, Ghana and Cape Town, South Africa. 2012 Survey Report](#). The University of British Columbia, Institute of Resources, Environment and Sustainability.

### Non-academic publications & press

Rodina, L. (2017, July 3). [Cape Town needs a new approach to manage water](#). Published in *The Conversation*.

Rodina L., & L.M. Harris (2016, June 14). [Resilience in South Africa's urban water landscape](#). Published in *The Conversation*.

Rodina, L. (2016, Feb 27). [How to Manage Water Under a Changing Climate: Think Ethically!](#) Posted on *Water Ethics Network Blog*. Water Ethics Network.

Rodina, L. (2015, Mar 24). [Towards a Water Ethics Manifesto](#). Praxis Centre, Kalamazoo College.

### TEACHING EXPERIENCE

CIRTL Associate April 2017  
*Center for the Integration of Research, Teaching, and Learning (CIRTL) at UBC*

- CIRTL Associates at UBC are trained in effecting teaching and learning, including peer-to-peer instruction in each workshop, the recognition of the iterative nature of teaching improvement, and emphasis on student diversity in learning

Communications Teaching Assistant October 2016 – April 2017  
*Computer Engineering Capstone Design Project, UBC*

- As a Communications Teaching Assistant, I helped improve the project presentation and communication skills of computer engineering students in their graduating projects.

Course Syllabus Development July 2015  
*Title: Interdisciplinary Perspectives on Water and Climate Change Dealing with Uncertainty, Complexity and Social Justice*

- As part of my comprehensive doctoral exams in 2015, I developed a course syllabus for an introductory course in a Geography, Sustainability Studies, Environmental Studies or Interdisciplinary Studies departments. This course explores the complex impacts of climate change on freshwater systems, with a focus on the governance and policy

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options for adapting to an uncertain and highly variable water future, as well their implications for social justice.

Teaching Assistant

September – December 2014

*Faculty of Land and Food Systems, UBC*

- Assisted the instructors of the course LFS 350 Land, Food and Community in leading weekly student discussions, supervising student projects with local community organizations, grading and project feedback.

Co-Instructor

January – April 2010

*Student-Directed Seminar, Department of Political Science, UBC*

- Designed and facilitated a 4<sup>th</sup>-year undergraduate student seminar on Knowledge and Power in International Relations.

### **OTHER RELEVANT WORK EXPERIENCE**

Outreach Coordinator & Co-Chair, Water Future's Water Ethics Working Group, June 2013 – Now  
*Water Ethics Network, Water-Culture Institute (Santa Fe, New Mexico)*

- Manage media & outreach, enhance effectiveness of online presence, strategies social media activity around broader issues of water, social justice, ethics.
- Leadership role in direction the Working Group Activities (e.g., meetings, co-authored articles, journal issues, etc.), organizational development & expanding collaboration opportunities.

Research Assistant

August 2011 – April 2017

*Institute for Resources, Environment and Sustainability (IRES), UBC*

- Comparative Water Governance in Africa Research Project, multiple responsibilities, including literature reviews, data analysis (surveys, interviews, focus groups) and results dissemination through peer-reviewed publications and online platforms.
- Comparative Urban Water Resilience Research Project (part of [International WaTERS](#)) multiple responsibilities, including: project conceptualization, literature reviews, database compilation, grant writing, and presentations at several workshops with partners at collaborating institutions (e.g., the University of Minnesota, University of Cape Town, and others).

### **ADDITIONAL TRAINING**

Languages: Fluent in Bulgarian, Russian and English; Advanced level Spanish

Qualitative research training: NVivo Advanced Workshop: Queries and Visualizations with Pat Bazeley, Simon Fraser University, Vancouver, BC, April 2015

Methods training at the post-graduate level: Fieldwork Methods course (2012) and Qualitative Research Methods course (2013)

Statistics training: Statistical Consulting and Research Laboratory (SCARL) Series of Workshops for Graduate Students, UBC, October – May 2015 & Socio-Economic Research Cluster Hub (SERCH) STATA Training University of Cape Town, South Africa – Statistics and Socio-economic

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analysis, 9-13 July, 2012

Teaching training: Instructional Skills Workshop, Center for Teaching, Learning and Technology, UBC – Teaching Training, Feb, 2014.

Project management training: MITACS Step – Managing Projects, project life cycle and execution, critical path analysis, and management and mitigation of risks, Aug 2011

Facilitation training: Center for Teaching, Learning and Technology, UBC – Facilitation training, May, 2011

### **AWARDS AND ACHIEVEMENTS**

2016 SSHRC Michael Smith Foreign Study Supplement, \$6,000

2015 Liu Institute for Global Issues Bottom Billion Research Award, \$1,500

2015 International WaTERS Graduate Fellowship (International), \$5,000

2013–17 Four Year Fellowship for PhD Students (UBC), \$18,200 (for 4 yrs + tuition)

2013–16 SSHRC Canada Graduate Scholarship Doctoral Award, (National), \$35,000/y (for 3 yrs)

2013 Les Lavkulich Scholarship for Resources and Environment (UBC), \$1,150

2012 Graduate Student International Research Mobility Award (UBC), \$1,500

2011 College for Interdisciplinary Studies Graduate Award (UBC), \$8,211

2011 Faculty Women’s Club Jubilee Award (UBC), \$450

2010 Certificate for a Graduating Leader, Dean of Arts (UBC), honorary

2008 Go Global International Learning Programs Award (UBC), \$2,000

2008 Best Delegate Award at Model UN (UBC), honorary

### **RELEVANT LEADERSHIP EXPERIENCE**

Co-Founder May 2016 – Present

[Environmental Change and Transformations Network \(ECTN\)](#), Liu Institute for Global Issues, UBC

- Facilitating exchange of ideas and collaboration among UBC scholars working on environmental change and transformations research.
- Co-Organized, co-hosted and co-facilitated a 1 day workshop at UBC with early career scholars in the field of social-ecological transformation, which resulted in 1 co-authored paper (submitted to journal)

Steering Committee Member Aug 2010 – Dec 2015

*International Development Research Network (IDRN)*, Liu Institute for Global Issues, UBC

- Involved in organizational development, panel moderation, facilitation, networking, conference organization, writing and collaborative coordination of events (i.e., Green College Lecture Series “The United Nations Millennium Development Goals: Progress and Prospects”, September 2011 to April 2012; monthly Scholar’s Cafés in 2012/2013; campus dialogues; panels; student roundtables).
- Contributed to successful funding applications totalling more than \$25 000.

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Volunteer in Nepal

May and Nov 2010

*Developing World Connections (Kamloops, BC)*

- Designed and conducted a fundraising campaign for a volunteer project in Nepal, including organizing events and writing grant applications.
- During two visits to Nepal, participated in building an irrigation canal in the village of Lahachowk and in planning a long-term partnership with the local village development committee.

### NOTABLE CONFERENCE PARTICIPATION

Aug 21, 2017, "Water Resilience: An emerging paradigm?", Resilience 2017, Stockholm, Sweden (*presentation*).

Sept 27, 2016, "Water Resilience and Equity and Cape Town: Trends and tensions in rethinking the urban water cycle", Society of South Africa Geographers Centennial Conference, Stellenbosch, South Africa (*presentation*).

Aug 24, 2016, "Tracing and Situating Water Resilience", Presentation, [Workshop on Water Equity and Resilience in Southern Africa](#), Stellenbosch Institute for Advanced Study, South Africa (*invited talk*).

May 5, 2016, "Tracing and Situating Water Resilience: The case of Cape Town, South Africa", African Climate and Development Initiative ([ACDI](#)), University of Cape Town, Cape Town, South Africa (*invited talk*).

July 25, 2015, "Ethics of the Human Right to Water: limitations and opportunities", International Society for Environmental Ethics Annual Conference, Kiel, Germany (*presentation*).

June 3, 2015, Special Session on "Resilience in Water Governance", Canadian Association of Geographers Annual Meeting, Vancouver, Canada (*co-organizer and co-chair*).

May 5, 2014, "Water Resilience in the Context of Informal Settlements in Cape Town, South Africa", Resilience 2014, Montpellier, France (*poster*).

April 9, 2014, "Conceptualizing resilience from lived experiences perspective: the case of informal settlements in Cape Town, South Africa", Association of American Geographers' (AAG) Annual Meeting, Tampa, Florida, USA (*presentation*).

Sept 17, 2013, "Challenges for Research in Water Access and Governance and the Human Right to Water in South Africa", 2013 UBIAS (University-Based Institutes for Advanced Study), Peter Wall Institute for Advances Studies, Vancouver, BC, Canada. (*invited talk*).

Feb 2, 2013, "Human Right to Water and Water Services in the Context of Informal Settlements in Cape Town, South Africa", Community Movements Conference, Trent University, Peterborough, ON, Canada (*presentation*).