

RADOST STANIMIROVA

CONTACT INFORMATION

Boston, MA 02134 USA

E-mail: rkstan@bu.edu

Website: rkstan.github.io

RESEARCH INTERESTS

My professional and research interests include climate variability and human transformation of the landscape, especially through agriculture.

EDUCATION

Boston University, Boston, Massachusetts USA

Ph.D., Geography, (expected graduation date: May 2019)

Dissertation Title: *Modeling the Dynamics and Vulnerabilities of Global Pasturelands to Climate Change*

Advisor: Dr. Mark Friedl

Barnard College of Columbia University, New York, New York USA

B.A., Environmental Science, May 2012

Minors: Anthropology

Senior Thesis: *Organic Carbon Transport through Holocene and Pleistocene Sediment in Southeast Asia: Implications for Arsenic Mobilization*

ACADEMIC EXPERIENCE

Boston University, Boston, Massachusetts USA

Graduate Research Assistant

January, 2015 - Present

- Process MODIS reflectance timeseries to extract and map start-of-season and end-of-season phenophase transition dates
- Compare and interpret spring phenology estimated from two methods, TIMESAT and MODIS Land Cover Dynamics Product (MCD12Q2)

Teaching Fellow

September, 2014 - December, 2014

- Instructed weekly two hour lab lectures for 37 students introducing concepts and experiments for a natural environments course, "The Atmosphere"
- Facilitated weekly review sessions, evaluated students and provided them with feedback

Columbia University, New York, New York USA

Research Staff Assistant, International Research Institute for Climate and Society, Earth Institute

June, 2012 - July, 2014

- Provided research support for a variety of climate risk management implementation projects relating to remote sensing, agriculture and index insurance
- Wrote effective grant proposals and budgets for donor organizations including World Bank, World Food Programme and NASA
- Prepared interim and final narrative reports per funders requirements
- Facilitated in-region capacity building workshops in English and Spanish

Research Assistant, Department of Environmental Science, Barnard College **June, 2010 - May, 2012**

- Investigated the role of geochemistry in arsenic contamination of groundwater in Bangladesh and authored a 40 page thesis paper regarding the subject
- Developed a procedure for column experiments on sediment cores in collaboration with research mentor and a team of graduate students
- Executed laboratory experiments independently, performed detailed laboratory tasks, collected and analyzed data and conducted literature research

- Participated in a directed research project that utilized statistical and field research techniques
- Authored a 30 page research paper on the relationship between soil coverage and soil carbon sequestration on traditional and sustainable coffee plantations
- Collected field samples in order to determine if organic agroforestry systems are an appropriate strategy for reduction of emissions by deforestation and degradation

HONORS AND AWARDS

Frederick S. Pardee Center Graduate Summer Fellowship, Boston University, Summer 2016 (\$6,000)
Biogeoscience Symposium Outstanding Elevator Pitch Award, Boston University, 2016
Dean's Fellowship, GRS Graduate Fellowship, Boston University, Spring 2015 (\$10,250)
The Lillian Berle Dare Prize for advanced study in Geography, Barnard College, 2012 (\$500)
Dean's List, Barnard College, 2009-2010
Hughes Science Pipeline Project, Barnard College, 2010-2011 (\$3,000)

PRESENTATIONS AND PAPERS

Vasilaky, K., S. Martinez, **R. Stanimirova**, & D.E. Osgood (2016 in review) Informal Networks within Index Insurance: Randomizing Distance in Group Insurance. *Journal of Economic Behavior and Organization*

Stanimirova, R., H. Greatrex, R. Diro, G. McCarney, J. Sharoff, B. Mann, A.L. DAgostino, M. Rogers-Martinez, S. Blakeley, C. Small, P. Ceccato, T. Dinku, & D.E. Osgood. Using Satellites to Make Index Insurance Scalable: Final IRI Report to the International Labour Organization Microinsurance Innovation Facility. International Research Institute for Climate and Society (IRI), Columbia University, New York, USA 2013

Stanimirova, R., J. Sun, B. Bostick, B. Mailloux, C. Mulvihill, A. van Geen, I. Mihajlov, K.M. Ahmed, I. Choudhury, M. Stute, & J. Magyar. Organic Carbon Transport through Holocene and Pleistocene Sediment from Southeast Asia: Implications for Arsenic Mobilization. Poster Presentation, American Geophysical Union (AGU), San Francisco, CA. December 2013

LANGUAGES

- Fluent in Bulgarian
- Full Professional Proficiency in Spanish

COMPUTER SKILLS

- Statistical Packages: R, JAGS
- Programming Languages: HTML, Bash, some experience with Matlab
- Applications: ArcGIS, QGIS, \LaTeX , Microsoft Suite, Final Cut
- Software: www.github.com/rkstan

MEMBERSHIP

- American Geophysical Union
- Association for Women in Science Massachusetts Chapter

OTHER INTERESTS Gardening, reading, and hiking