

Project 2017

Freie Universität Berlin – Saint Petersburg State University

Joint Seed Money Funding Scheme

Title: Sustainable Urbanization & Comparative Development

Lead Applicants:

Saint Petersburg State University – Dr Nikolai Bobylev

Freie Universität Berlin - Prof. Theocharis Grigoriadis

Course at Freie Universität Berlin

Title: Global Environmental Change

Lectures:

Dr Nikolai Bobylev (Saint Petersburg State University), Associate Professor, Head of Chair Environmental Safety and Sustainable Development of Regions, Institute of Earth Sciences

Prof. Alexander Sergunin (Saint Petersburg State University), Professor of the Department of International Relations Theory & History, School of International Relations

Dates:

Prof. Alexander Sergunin - 1 week (27 November – 3 December),

Dr Nikolai Bobylev - 1 week (4 December – 10 December)

Objectives: To learn about contemporary global agenda related to urbanization, cities, planning, development, and the environment.

Content: Global change: climate and urbanization. Urban form, growth, dynamics. Urban environmental quality. Physical infrastructure. Climate change adaptation and mitigation strategies in the urban context. Global urban governance. Development policies and their implementation in a variety of cities. Global climate change and the polar regions: economic implications (energy, mining, fishery, transportation, trade, communications). Climate change mitigation strategies: legal, political and institutional aspects.

Teaching and learning methods: Intensive seminar.

Readings:

1. 2015 Paris Agreement on Climate Change.
2. Bobylev N, Sterling R (2016) Urban Underground Space: A Growing Imperative. Perspectives and Current Research in Planning and Design for Underground Space Use. Tunnelling and Underground Space Technology, Elsevier. Volume 55, ISSN: 0886-7798. Pages 1 – 5. <http://dx.doi.org/10.1016/j.tust.2016.02.022>
3. Bobylev, Nikolai (2009) Mainstreaming Sustainable Development into a City's Master Plan: a Case of Urban Underground Space Use. Land Use Policy, Volume 26, Issue 4, October 2009, Pages 1128-1137. Elsevier. doi:10.1016/j.landusepol.2009.02.003.

4. Huebert, R., H. Exner-Pirot, A. Lajeunesse, J. Gullede (2012) "Climate change & international security: The Arctic as a Bellwether." Arlington, Virginia: Center for Climate and Energy Solutions. Available at: <http://www.c2es.org/publications/climate-change-international-arctic-security/>
5. IPCC 2014 Report
6. The Arctic Report Card 2016. <http://www.arctic.noaa.gov/Report-Card>
7. Wende, W., Bond, A., Bobylev, N., Stratmann, L. (2012) Climate Change Mitigation and Adaptation in Strategic Environmental Assessment. Environmental Impact Assessment Review, in press, Elsevier. 27p. doi:10.1016/j.eiar.2011.04.003
8. Wende, W., Huelsmann, W., Marty, M., Penn-Bressel, G., Bobylev, N. (2010) Climate Protection and Compact Urban Structures in Spatial Planning and Local Construction Plans in Germany. Land Use Policy Volume 27, Issue 3, July 2010, Pages 864-868. Elsevier. pp. 864-868. doi:10.1016/j.landusepol.2009.11.005