

CURRICULUM VITAE OF ELENA LIOUBIMTSEVA

Elena Lioubimtseva, PhD.

Geography and Planning Department, Grand Valley State University

1 Campus Drive, Allendale, MI 49401

Tel: 616 331 2874; e-mail lioubime@gvsu.edu; Skype: lioubime

Academic interests: climate change, human vulnerability and adaptations, sustainable development, remote sensing, landscape analysis, former Soviet Union.

Languages: Russian -native, English-fluent, French- fluent

Education and Degrees:

1998-1999 –Postdoctoral research, Oxford University, UK,

1996-1997 – Postdoctoral research, University of Louvain, Belgium.

1994-1995- Postdoctoral research, Laboratory of Quaternary Geology, CNRS, Marseille, France.

1989-1994 - Ph.D. in Physical Geography & Conservation, Moscow State University, Russia.

1992-1993 visiting doctoral student (G. Soros Foundation Scholar),Oxford University, UK.

1985- 1989 M.Sc. in Geography (Physical Geography) Moscow State University, Russia.

Professional Experience:

Since 2009 Director, Environmental Studies Program, College of Interdisciplinary Studies, Grand Valley State University, Allendale, MI and

Since 2006 Associate Professor, Department of Geography and Planning, Grand Valley State University.

September-December 2007: Invited Scientist, Department of Geography, University of Louvain, Louvain-la-Neuve, Belgium (sabbatical leave from GVSU).

2000 – 2006: Assistant Professor, Department of Geography and Planning, Grand Valley State University.

1999-2000: Visiting Assistant Professor, Department of Geography and Land Studies, Central Washington University, Ellensburg, WA.

1998-1999: Royal Society/NATO Postdoctoral Researcher, School of Geography and Environment, Oxford University, Oxford, UK. Supervisor - Professor. A.S. Goudie.

1996-1997: Belgian Prime-Minister Postdoctoral Researcher, Department of Environmental Science and Land-Use Planning, School of Agriculture, Catholic University of Louvain, Louvain-la-Neuve, Belgium; Supervisor - Professor Pierre Defourny.

1994-1995: Postdoctoral Researcher, Laboratoire de Géologie du Quaternaire, Centre National de la Recherche Scientifique, Marseille, France. Supervisor: Professor Hugu Faure.

1993-1995: Lecturer and Research Associate, School of Geography, Moscow State University Supervisor - Dr. G.N. Golubev.

Courses Taught:

Environmental Studies and Sustainability, Environmental Problem Solving, Global Climate and Environmental Change, Landscape Analysis, Advanced GIS, Remote Sensing and Image Processing, Geography of Russia and Eurasian Republics, Physical Geography, World Regional Geography, Geography of Europe.

External grants:

Great Lakes Innovative Stewardship Through Education Network, West Michigan Cluster – Corporation for National and Community Service \$34,000, total budget \$87,000.

Evaluating the effects of institutional change on regional hydrometeorology: Assessing the vulnerability of the Eurasian semi-arid grain belt NASA LCLUC (\$128,677) in collaboration with Geoffrey Henebry, South Dakota State University, and William Capehart, South Dakota School of Mines and Technology - total grant amount \$599,719.00

Land-Use and Land-Cover Mapping and Monitoring of Russia funded by Vegetation International preparatory program and CNES - in collaboration with Moscow State University, Joint Research Centre of EC, World Conservation and Monitoring Center (UK), and Cesbio (France) 40.000 Euro

Vegetation Mapping and Monitoring of Russia. - European Commission INTAS-94-3395 (Earth Sciences - Environmental Monitoring and Modeling) Moscow State University, World Conservation and Monitoring Center (UK), and Cesbio (France) 80.000 Euro
Dynamics of Terrestrial Biota and its Role in Global Carbon Cycle since the last 125 kyr (PALAEOCARBON)- funded by the European Commission and INQUA. INTAS -93-2037 (Earth Science, Environment, Energy); LGQ CNRS (France), University of Salamanca (Spain), and Oxford University. 120.000 Euro

Peer-reviewed publications:

Liouimtseva, E., 2011. Africa and the Global Climate Change: Impacts, Vulnerabilities, and Adaptation Challenges, In: Tim Murithi, Ed. *Africa's International Relations*. In press.

Lioubimtseva E. and G.M. Henebry, 2011. Grain Production trends in Russia, Ukraine and Kazakhstan: New Opportunities in Increasingly Unstable World? In press.

Lioubimtseva, E. 2010. Russia's Role In The Post-2012 Climate Change Policy: Key Contradictions And Uncertainties. *Forum on Public Policy, Climate Change and Sustainable Development*, Volume: Spring2010.

Lioubimtseva, E. 2010. Global Food Security and Grain Production Trends in Central Eurasia: Do Models Predict a New Window of Opportunity? *National Social Science Journal* 41 (1):154-165.

Lioubimtseva, E. 2009. Human dimensions of climate change in arid and semi-arid environments: a case study of post-soviet Central Asia. *Annals of Arid Zone* 47(3&4): 1-24.

Glass, S., Norman, C., Wenner, W., Lioubimtseva, E. 2009. Sustainability and changing university culture and curriculum: Grand Valley State University Case Study (pp. 1-10) In KUP 2009 (Ed.), *Sustainability in Practice: from global to local, Making a Difference*. Kingston, UK: Kingston University press Ltd.

Lioubimtseva, E. and G.M. Henebry. 2009. Climate and environmental change in arid Central Asia: Impacts, vulnerability, and adaptations. *Journal of Arid Environments*, 73(11): 963-977.

Lioubimtseva, E. 2009. Global food security and grain production trends in Central Eurasia (pp. 144-153) *National Social Science Proceedings* (Ed.), *National Social Science Proceedings: National Technology and Social Science*. CA: NSSA

Lioubimtseva, E. and G.M. Henebry. 2009. Potential impact of climate change on the grain productivity in Central Eurasia: human vulnerability and adaptations. In: *Global Changes: Vulnerability, Mitigation, and Adaptation*. Sofia university "St. Kliment Ohridski" University Press, Sofia, Bulgaria, pp. 22-27.

Lioubimtseva, E. 2008. Climate Change in Turkmenistan, In S. G. Philander, ed., *Encyclopedia of Global Warming and Climate Change*. New York: SAGE Reference, Golson Books.

Lioubimtseva, E., 2007. Possible changes in the carbon budget of arid and semi-arid Central Asia inferred from land-use/landcover analyses during 1981-2001, in: Lal, R., Suleimenov, M., Stewart, B.A., Hansen, D.O., Doraiswami, P. (Eds.), *Climate Change and Terrestrial Carbon Sequestration in Central Asia*, Taylor & Francis, London, pp. 441-452.

Lioubimtseva E. and R. Cole. 2006. Uncertainties of climate change in arid environments of Central Asia. In R. R. Stickney, (ed.) *Reviews in Fisheries Science*, 14(1-2): 29-50.

Lioubimtseva, E., R. Cole, J. M. Adams, and G. Kapustin. 2005. Impacts of climate and land-cover changes in arid lands of Central Asia. *Journal of Arid Environments*. Volume 62(2): 285-308.

Lioubimtseva, E. 2005. Environmental changes in arid Central Asia inferred from remote sensing data and ground observations. *Arid Ecosystems*, 11(26-27): 64-72.

Lioubimtseva E. Climate Change in Arid Environments: revisiting the past to understand the future. *Progress in Physical Geography*, 28 (14), 502-530.

Lioubimtseva, E. and J.M. Adams. 2004. Possible implications of increased carbon dioxide levels and climate change for desert ecosystems. *Environmental Management*, 33 (4): S388-S404.

Lioubimtseva, E. An evaluation of VEGETATION-1 imagery for broad-scale landscape mapping of Russia: effects of resolution on landscape pattern. *Landscape and Urban Planning*, Volume 65, Issue 4, 15 November 2003, Pages 187-200

Lioubimtseva, E., 2002. Arid Environments. In: M. Shahgedanova (editor) *Physical Geography of Northern Eurasia*, Oxford University Press, Oxford, pp.267-283

Adams J.M. and E. Lioubimtseva, 2002. Some key uncertainties in the global distribution of soil and peat carbon. p. 459-469 in: J.M. Kimble, R. Lal, and R.F. Follett (eds). *Agricultural Practices and Policies for Carbon Sequestration in Soil*. CRC Press Lewis Publishers, Boca Raton, London, New York, Washington DC, 512 pp.

Lioubimtseva E. and Adams J.M. 2002. Carbon Content in Desert and Semidesert Soils in Central Asia. pp. 409-422 in J.M. Kimble, R. Lal, and R.F. Follett (eds.) *Agricultural Practices and Policies for Carbon Sequestration in Soil*. CRC Press Lewis Publishers, Boca Raton, London, New York, Washington DC, 512 pp.

Milanova E.V, B. Alexeev, N. Kalutskova, E. Lioubimtseva, V. Solntsev, P.Tcherkashin, and L. Yanvareva. Land Use/Cover Change in Russia. 2001. In R.B. Singh, Jefferson Fox, Yukio Himiyama, eds. *Land Use and Cover Change*. Oxford and IBH Publishing, Co.Pvt.Ltd., 2001, pp 73-84.

Lioubimtseva E. Forest Conservation in Russia: Issues and Strategies, 2001, *Global Ecology and Geography*, 10 (2) 223

Lioubimtseva E., E.V. Milanova, P.Tcherkashin, N. Kalutskova, and V. Solntsev. 2002. VEGETATION/SPOT-4 applications for macro-regional landscape mapping (Land Cover/Land Use mapping and monitoring of Russia), in *VEGETATION: 2 Years of Operation to Prepare the Future*, G. Saint , editor, Ispra (Italy) Joint Research Center – European Commission, section 3 - Forest Ecosystem Monitoring, pp.169-176

Milanova, E.V., E. Lioubimtseva, P.A. Tcherkashin and L.F. Yanvareva. 2000 Land use/cover change in Russia: mapping and GIS Land Use Policy 16 (2000) 153-159

Lioubimtseva, E. and P. Defourny, 1999. GIS-based landscape classification and mapping of European Russia , *Landscape and Urban Planning*, 579 pp.

Lioubimtseva, E. 1999: Impacts of climatic changes on carbon storage variations in African and Asian deserts, In: R.Lal, J. Kimble, R. Follet and B. Stewart, eds. *Soil Processes and the Carbon Cycle* Boca Raton, FL: CRC/Lewis Publishers, 561-576

Lioubimtseva E., B.Simon, H.Faure, L.Faure-Denard, and J.Adams, 1998. Impacts of climatic change on carbon storage in the Sahara-Gobi desert belt since the last glacial maximum. *Global and Planetary Change*, vol.16, pp. 92-106

Lioubimtseva, E., Interpretation and mapping Landscape Pattern in Forest-Steppe Zone of Russia Using Remote Sensing. 1998 In: J.W.Dover and R.G.H. Bunce, eds. *Key Concepts in Landscape Ecology*, IALE (UK), Preston.

Lioubimtseva E., E.V. Milanova, L.N. Yanvareva and N.N. Kazantsev, 1998. Landscape Status and Change in the European Part of Russia. In: J.W.Dover and R.G.H. Bunce, eds. *Key Concepts in Landscape Ecology*, IALE (UK), Preston.

Milanova E.V. and E. Lioubimtseva, 1998. LULC Data validation and requirement of Russia. In: *LULC Report Series*, issue 3, 118-119

Lioubimtseva, E., H. Faure, L. Faure-Denards, N.Page, and G.E. Wickens, 1996: Sudan biomass changes since 18 000 years: A test area for tropical Africa. In Heine, K., ed.: *Palaeoecology of Africa*, .A.A.Balkema, Rotterdam, 24, 71-84.

Alexeeva N.N., E.V. Glushko, and E. Lioubimtseva, 1996. Age of landscapes of arid regions of Asia. *Arid Ecosystems*, vol. 2(2-3), 88-95

University Activities and Professional services:

- Director, West Michigan GLISTEN Cluster, Great Lakes Innovative Stewardship Through Education Network, since 2010;
- Grant Proposals Reviewer, USDA;
- Grant proposals Reviewer, European Science Foundation,
- Director, Environmental Studies Program, since 2009;
- Advisor, Student Environmental Coalition;
- Member, Leadership Council, College of Interdisciplinary Studies, since 2009;
- Member, Pew Faculty Teaching and Learning Center Advisory Committee;
- Member of the University Climate Assessment Group, Sustainable Community Development Initiative, GVSU;
- Chair, Environmental Studies Program, Final Plan Task Force, Grand Valley State University 2006-2008;
- Member of Organizing Committee, Central Eurasian Studies Society Conference, September 2006, Ann Arbor, MI;
- Chair, Panel on Human Dimensions of Environmental Changes in Central Asia, Central Eurasian Studies Society Conference, September 2005, Boston;

- Chair, first International Workshop on Human Dimensions of Climate and Environmental Change in Central Asia, May 2004, Grand Rapids, MI;
- Member of the Editorial Board, *Arid Ecosystems Journal* ;
- Member of the Student Scholarship Committee, Association of American Geographers
- Member of Foreign Scholar Award Committee of International Association of Landscape Ecology (US Chapter);
- Reviewed articles for *Problems of Desert Development, Environmental management, Global Ecology and Geography, International Journal of Remote Sensing, Journal of Arid Environments, Ecosystems, Remote Sensing and Environment*).
- Reviewed grant proposals for the European Science Foundation, EUROCORES EUROCLIMATE Program and DYNACOLD Program;
- Reviewed proposals for the European Science Foundation;
- Reviewed grant proposals for the US State Department and Civilian Research and Development Foundation – 2004;
- Expert Image Interpreter - *International Geosphere-Biosphere Program Data Information System DISCOVER Project* 1998;
- Translated from Russian into English the monograph *Progress in Russian Geography*, Russian Academy of Science, Moscow, 1995;
- 1994-2000 member of International Users Committee of VEGETATION/SPOT International Preparatory Program of the European Union- *es-qualité* international expert.