

Catalina Munteanu

Dept. of Forest and Wildlife Ecology
University of Wisconsin – Madison
1630 Linden Drive, Madison, WI, 53706, USA,
E-mail: cmunteanu@wisc.edu
Skype: catalina.m.munteanu
Phone: +1-608-332-7013

EDUCATION

- Since 2012 PhD Student, Department of Forest and Wildlife Ecology, University of Wisconsin-Madison, USA. Advisor: Volker Radeloff . Ph.D. Defended: 2 May 2016.
- 2005 – 2008 Magistra rerum naturalium, University of Innsbruck, Austria, Institute of Geography
- 2004 – 2005 Erasmus Socrates Programme at University of Innsbruck, Austria, Institute of Geography
- 2002 – 2008 Babeş-Bolyai-University, Cluj Napoca, Romania, Faculty of Geography,
Diploma in Geography and Foreign Languages

PROFESSIONAL EXPERIENCE

- 2012-2014 Research Assistant, Forest and Wildlife Ecology, University of Wisconsin-Madison, USA
- 2009-2011 Research Assistant, Center for Mountain Studies, Univ. of Highlands and Islands, UK
- 2009 Project Collaborator , WWF- Danubian-Carpathian Program, Bucuresti, Romania
- 2009 GIS Associate, Klenkhart & Partner Consulting ZT GmbH, Absam, Austria
- 2007 GIS Project Collaborator, Austrian Alpine Association, Innsbruck, Austria
- 2007 GIS Volunteer - Nature Park Munții Maramureşului, Vişeu de Sus, Romania

TEACHING EXPERIENCE

- 2014-2016 University of Wisconsin-Madison, Forest Biometry, Teaching Assistant, 2 Semesters, Lead Lecturer: Volker Radeloff
- 2006-2008 University of Innsbruck, Innsbruck, Austria, Geography-Introduction to Geographical Information systems, Teaching Assistant, 4 Semesters, Lead Lecturer: Armin Heller

PEER-REVIEWED JOURNAL ARTICLES

- Munteanu C**, Nita M-D, Abrudan I V., Radeloff VC (2016) Forest history is repeating itself, imposing strong legacies for Romanian forests and forestry. *Forest Ecology and Management*, 361: 179-193
- Kaim D, Kozak J, Kolecka N, Ziólkowska E, Ostafin K, Ostapowicz K, Gimmi U, **Munteanu C**, Radeloff V (2016): Broad scale forest cover reconstruction from historical topographic maps. *Applied Geography*, 67: 39-48
- Munteanu C**, Kuemmerle T, Keuler NS, Müller D, Balázs P, Dobosz M, Griffiths P, Halada L, Kaim D, Király G, Konkoly-Gyuró E, Kozak J, Lieskovsky J, Ostafin K, Ostapowicz K, Sandra O, Radeloff VC (2015) Legacies of 19th century land use shape contemporary forest cover. *Global Environmental Change*, 34: 83-94
- Griffiths P, Kuemmerle T, Baumann M, Radeloff, VC, Abrudan, IV, Lieskovsky, J, **Munteanu C**, Ostapowicz K, Hostert P (2014) Forest disturbances, forest recover, and changes in forest types across the Carpathian ecoregion from 1985 to 2010 based on Landsat image composites. *Remote Sensing of Environment* 151:72–88.
- Munteanu C**, Kuemmerle T, Boltiziar M, Butsic V, Gimmi U, Halada L, Kaim D, Király G, Konkoly-Gyuró E, Kozak J, Lieskovsky J, Moyses M, Müller D, Ostafin K, Ostapowicz K, Shandra O, Štych P, Walker S, Radeloff VC (2014) Forest and agricultural land change in the Carpathian region—A meta-analysis of long-term patterns and drivers of change. *Land Use Policy* 38:685–697

- Alix-Garcia J, **Munteanu C**, Zhao N, Potapov PV, Prishchepov AV, Radeloff VC, Krylov A, Bragina E (in press), Drivers of forest Cover Change in Eastern Europe and European Russia, 1985-2012, Land Use Policy
- Butsic V, **Munteanu C**, Griffiths P, Knorn J, Radeloff V C, Lieskovský J, Müller D, Kuemmerle T (*in review*) The impact of protected areas on forest disturbance in the Carpathian Mountains 1985-2010. Conservation Biology
- Munteanu C**, Kuemmerle T, Boltziar M, Halada L, Kaim D, Király G, Konkoly-Gyuró E, Kozak J, Lieskovsky J, Mojses M, Müller D, Ostafin K, Ostapowicz K, Radeloff VC (*in review*): 19th century land use legacies affect agricultural abandonment, Regional Environmental Change Special Issue.
- Feurdean A, **Munteanu C**, Kuemmerle T, Nielsen AB, Hutchinson SM, Ruprecht E, Persoiu A, Parr K, Hickler T (*in review*) Effects of socio-political transformations on semi-natural grasslands in Transilvania (CE Europe), based on pollen and historical land survey. Regional Environmental Change.
- Loran C, **Munteanu C**, Verburg P H, Schmatz D, Bürgi M, Zimmermann N (*in review*): Long-term change in drivers of forest cover dynamics: an analysis for Switzerland (1850-2000), Regional Environmental Change. Special Issue.
- Munteanu C**, Pidgeon A, Radeloff VC (*in preparation*): Conservation recommendations for the protection of bird habitat in the Carpathian Ecoregion, in light of long term land use trends. Conservation Biology

BOOK CHAPTERS AND CONFERENCE PROCEEDINGS

- Munteanu C**, Radeloff V, Griffiths P, et al. (*in press*) Land change in the Carpathian Region before and after major institutional changes. In: Gutman G, Radeloff VC (eds) Land Use and Land Cover Change in Eastern Europe after the Collapse of Socialism. Springer 2016
- Borowski D, **Munteanu C** (2011) Biosphere Reserves in European Mountains: an Exploratory Survey. Biosphere Reserves in the Mountains of the World. MAB pp 35-40.
- Munteanu C**, Geitner C, Scharr K (2008) Consequences of historical and modern landuse on cultural landscapes and biodiversity of the Maramureş Mountains. In: Gaceu L (ed) Journal of EcoAgriTourism, Proceeding of the International Conference BIOATLAS 2008. Transilvania University of Brasov, Romania, Brasov, pp 91–98

LECTURES AND INVITED TALKS

- Munteanu, C** (2015) – Writing Scientific Papers, Land Use and Land Cover Change Training Workshop, SCERIN-3, Braşov, Romania 13-18 July, 2015
- Munteanu, C** (2015) - Understanding where we're coming from and where we're going: Unearthing 200 years of land use history in the Carpathians and their importance to current land change", Guest Lecture at University of Wisconsin-Madison, Geography/History/Political Science/Slavic: 254 Eastern Europe: Interdisciplinary Survey. Lead Lecturer: Boriana Nikolova, 02.2014
- Munteanu, C.** (2014): LCLUC in Carpathians during the last 200 years. International NASA Land Cover Land Use Change (LCLUC) Regional Science Meeting in Central Europe, Sopron, Hungary 16-10.2014
- Munteanu, C.** (2014): Why past land use patters? Learning from the Carpathians. Current LCLUC challenges in SCERIN: Addressing Ecosystem Function and Processes. Institute of Geography and Spatial Management, Jagiellonian University, Kraków, 9-10.06.2014
- Munteanu, C.** (2014): Historic and recent land cover changes in the Carpathians. Departamental Seminar, Environmental Remote Sensing and Geoinformatics, University of Trier, Germany. 14.5.2014
- Munteanu, C.** (2013): Understanding Where We're Coming from and Where We're Going: Unearthing 200 Years of Land Use History in the Carpathians and their Importance to Current Land Change.

Invited lecture at the Center for Russia, East Europe, and Central Asia (CREECA), University of Wisconsin, Madison, USA, 12.12.2013

CONFERENCE PRESENTATIONS

- Munteanu, C**, Pidgeon A, Radeloff V (2016) – Bird conservation responsibility of the Carpathian Mountains, North American Congress for Conservation Biology, Madison, Wisconsin, 18-20 July 2016
- Munteanu, C**, Radeloff V (2015) - Legacies of 19th century affect contemporary land cover, SCERIN-3 Capacity Building Workshop (CBW) Braşov, Romania 13-18 July, 2015
- Munteanu, C**, Kuemmerle, T, Boltiziar M, Gimmi U, Halada L, Kaim D, Király G, Konkoly-Gyuró E, Kozak J, Kysucká K, Lieskovsky J, Mackovčín J, Mojses M, Müller D, Ostafin K, Ostapowicz K, Shandra O, Radeloff V.C (2014) - 200 years of land change in the Carpathian region. Re-thinking change trajectories and land use legacies. Global Land Project Open Science Meeting. Land Transformations: Between Global Challenges and Local Realities, Berlin 19-21.03.2014
- Kozak J., Gimmi U., Dobosz M., Kaim D., Kolecka N., Ostafin K., Ostapowicz K., Troll M.,
- Munteanu C.**, Radeloff V., (2013), Long-term land use and land cover changes in the Carpathians. Acta Biologica Cracoviensia 55, suppl. 1, 27-27. Biogeography of the Carpathians: Evolution of Biodiversity in a Spatiotemporal Context. , Kraków, Poland, 26-28.09.2013
- Munteanu, C.**, Radeloff, V.C., Kuemmerle, T., Potapov P., Baumann M., Griffiths P., Alcantara, C., Bragina, E., Clubert P. (2013): Broad scale LCLUC in Eastern Europe: patterns, drivers and effects, NASA Land-Cover/ Land Use Change Program, SCERIN Research Network Meeting, Prague, 17- 21.07.2013
- Munteanu, C**; Boltiziar M, Gimmi, U; Halada L; Kaim D, Kiraly G, Konkoly-Gyuro, E; Kozak, J; Kuemmerle T; Lieskovsky J, Mojses, M; Nagy D, Ostafin K, Ostapowicz K, Shandra O; Troll, M, Radeloff, V (2012): A meta-analysis of drivers and patterns of land use change in the Carpathians and the Carpathian Basin In M. Boltiziar (Ed.), Forum Carparicum 2012 – Conference Abstracts: From Data to Knowledge, From Knowledge to Action. Stara Lesna.
- Munteanu, C** (2010) - mountain.TRIP: Transforming Research Into Practice, FP7 EC funded project, SEEmore Networking Conference, Timisoara, Romania, 27.08.2010
- Munteanu, C**, Price M (2010) – Research to close the gap between science and practice as European Mountains face Global Change, UHI Research Conference, Moray College, Elgin, Scotland, 27-29 October 2010

CONFERENCE POSTERS

- Munteanu C**, Kuemmerle T, Keuler NS, Müller D, Balázs P, Dobosz M, Griffiths P, Halada L, Kaim D, Király G, Konkoly-Gyuró E, Kozak J, Lieskovsky J, Ostafin K, Ostapowicz K, Sandra O, Radeloff VC (2015): Legacies of 19th century land use shape contemporary forest cover, Wisconsin Ecology Symposium, March 11-12, 2015
- Munteanu, C.**, Kuemmerle, T., Kozak, J., Halada L., Gimmi, U., Kiraly, G., Konkoly-Gyuro, E., Kaim D., Ostapowicz, K., Ostafin K., Lieskovsky J., Boltizar, M., Shandra O., Stych P., Griffiths P., Mueller, D., Alix-Garcia, J., Walker, S., Radeloff V.C. (2013): 250 years of land use history in the Carpathian Region. NASA Land-Cover/ Land-Use Change Program Science Team Meeting, Rockville, Maryland, 2-4.04.2013
- Geitner, C; **Munteanu, C**; Scharr K (2008) – Driving Forces and Consequences of Land Use Change on Landscapes of the Maramureş Mountains (Romania), IALE 2008, Bonn, Deutschland, 10.2008
- Munteanu, C.**; Geitner, C.; Scharr, K. (2008) – Consequences of Historical and Modern Landuse on Cultural Landscapes and Biodiversity of the Maramureş Mountains, S4C Networking Workshop, Kraków, Poland, 05.2008

AWARDS

- NASA Earth and Space Science (NESSF) Fellowship** – “Long-Term Forest Dynamics in Mountain Regions Accounting for Topography, Land Use History and Management Regimes to Identify High Conservation-Value Ecosystems” Doctoral fellowship, 3 years, 09.2014, \$60000
- Best Student Paper Award**, Forum Carpathicum 2014: Local Responses to Global Challenges, September 16-18, 2014 in Lviv, Ukraine, for publication Munteanu et. al (2014): Land Use Policy
- Forestry Graduate Student Travel Award**, University of Wisconsin Madison, 09.2015, \$500
- Center for Culture, History, and Environment**, Graduate Student Award, 08.2015, \$1000
- Vilas Research Travel Award**, University of Wisconsin Madison – award for research travel to Eastern Europe, 05.2014, \$600
- Graduate Student International Travel Grant**, University of Wisconsin-Madison, Research award for project “What is the role of land use legacies for recent environmental change? A research collaboration with the Humboldt University in Berlin” , 05.2014, \$2000
- Wisconsin Ecology Graduate Student Award** – for organizing a Community Building Workshop at UW Madison, Discovering Wisconsin’s Ecologists, 02.2014, \$800
- Conservation Leaders for Tomorrow Scholarship** – professional development program for increasing hunting awareness and conservation education, Dundee, IL, USA, January 2014
- CREECA (Center for Russia, East Europe, and Central Asia) Graduate Research Travel Award** – for field research and data collection on historic land cover changes in Eastern Europe, \$1000
- KTP Award (Knowledge Transfer Partnerships)** – EU Regional Development Fund & Scottish Government – to support knowledge exchange project with the Cairngorms National Park Authority, Scotland, 2010, £12000
- Scottish Mountaineering Trust Grant** – for supporting a knowledge exchange workshop in the Cairngorms National Park, Scotland, 2010, £1000
- Edinburgh Beltane Beacon for Public Engagement 2011** – grant for knowledge exchange activity related to the Cairngorms National Park, Scotland, £1500
- Erasmus Intensive Programme** – Lifelong Learning: »Europe's socio-cultural borders - inherited perceptions and the modern landscapes«, Romania, 07.2009 – Teaching Assistant
- Erasmus Intensive Programme** – Lifelong Learning: »Europe's socio-cultural borders - inherited perceptions and the modern landscapes«, Lithuania, 03.2008
- KWA (Kurzfristige Wissenschaftliche Arbeiten im Ausland)- Short Term Research Activity Abroad**, International Relations Office, Innsbruck, – financial award for diploma thesis, 05.2007 - 08.2007, €1500
- ProScientia Award**, Austrian Research Awards, Vienna, 2008-2009, €600

PROFESSIONAL MEMBERSHIPS AND SERVICE

- Society for Conservation Biology, since 2016
- NASA Land Cover Land Use Change (LCLUC) Science Program, since 2014
- Forest and Wildlife Ecology Graduate Student Representative, UW Madison, Wisconsin, since 2014
- Center for Culture, History and Environment (CHE), UW Madison, Wisconsin, since 2014
- Wisconsin Ecology – Graduate Student Organization, UW Madison, Wisconsin, since 2013
- Novel Ecosystem IGERT Program, UW Madison, Wisconsin, since 2012
- Scottish Royal Geographical Society, 2009 - 2012
- Mountain Research Initiative European Network, since 2008

- Reviewer for:** Land Use Policy
Regional Environmental Change
Ecosystems
Mountain Research and Development

TECHNICAL SKILLS

Software packages: ArcGIS, R, Guidos, ENVI, FRAGSTATS, MSPA, Office Suite

LANGUAGE SKILLS

English, German, Romanian – Advanced (fluent in writing and speaking)

Spanish – Intermediate (conversation, basic writing skills)

Italian, French – Beginner (basic conversation)