

CURRICULUM VITAE

Dr. DOMINIK THOM

CURRENT APPOINTMENTS

Postdoctoral researcher at the Rubenstein School of Environment and Natural Resources, University of Vermont, 308i Aiken Center, Burlington, VT-05405, USA. Tel: +1 802 557 8221. Fax: +1 802 656 2623. Email: Dominik.Thom@uvm.edu

Postdoctoral researcher at the Gund Institute for Environment, 617 Main Street, Johnson House, Burlington, VT-05405, USA.

PAST APPOINTMENTS

Postdoctoral researcher at the Institute of Silviculture, University of Natural Resources and Life Science Vienna, Peter-Jordan Straße 82, 1190 Vienna, Austria

EDUCATION

- 12/2012 – 10/2016: Dr.nat.techn. (passed with distinction) at the Institute of Silviculture, University of Natural Resources Life Science Vienna, Austria
- 10/2010 – 11/2012: Dipl. Ing. (eq. M.Sc.) in “Forest Sciences”, University of Natural Resources Life Science Vienna, Austria
- 09/2007 – 07/2010: B.Sc. in “International Forest Ecosystem Management”, University for Sustainable Development Eberswalde, Germany

PUBLICATIONS IN PEER-REVIEWED JOURNALS

Kruhlov, I, **Thom, D**, Chaskovskyy, O, Keeton, WS, Scheller, RM (2018): Future forest landscapes of the Carpathians: Vegetation and carbon dynamics under climate change. *Regional Environmental Change*, accepted.

- Seidl, R, Albrich, K, **Thom, D**, Rammer, W (2018): Harnessing landscape heterogeneity for managing future disturbance risks in forest ecosystems. *Journal of Environmental Management*, 209: 46-56.
- Thom, D**, Rammer, W, Seidl, R (2017): The impact of future forest dynamics on climate: Interactive effects of changing vegetation and disturbance regimes. *Ecological Monographs*, 87: 665-684.
- Seidl, R, **Thom, D**, Kautz, M, Martin-Benito, D, Peltoniemi, M, Vacchiano, G, Wild, J, Ascoli, D, Petr, M, Honkaniemi, J, Lexer, MJ, Trotsiuk, V, Mairota, P, Svoboda, M, Fabrika, M, Nagel, TA, Reyer C (2017): Forest disturbances under climate change. *Nature and Climate Change*, 7: 395-402.
- Thorn, S, Bässler, C, Brandl, R, Burton, PJ, Cahal, R, Campbell, JL, Castro, J, Choi, C-Y, Cobb, T, Donato, DC, Durska, E, Fontaine, JB, Gauthier, S, Herbert, C, Hothorn, T, Hutto, RL, Lee, E-J, Leverkus, AB, Linder Mayer, DB, Obrist, MK, Rost, J, Seibold, S, Seidl, R, **Thom, D**, Waldron, K, Wermelinger, B, Winter, M-B, Zmihorski, M, Müller, J (2017): Impacts of salvage logging on biodiversity – a meta-analysis. *Journal of Applied Ecology*, 55: 279-289.
- Thom, D**, Rammer, W, Dirnböck, T, Müller, J, Kobler, J, Katzensteiner, K, Helm, N, Seidl, R (2017): The impacts of climate change and disturbance on spatio-temporal trajectories of biodiversity in a temperate forest landscape. *Journal of Applied Ecology*, 54: 28-38.
- Thom, D**, Rammer, W, Seidl, R (2017): Disturbances catalyze the adaptation of forest ecosystems to changing climate conditions. *Global Change Biology*, 23:269-282.
- Thom, D**, Seidl, R. (2016): Natural disturbance impacts on ecosystem services and biodiversity in temperate and boreal forests. *Biological Reviews*, 91: 760-781.
- Thom, D**, Seidl, R, Steyrer, G, Krehan, H, Formayer, H (2013): Slow and fast drivers of the natural disturbance regime in Central European forest ecosystems. *Forest Ecology and Management*, 307: 293-302.

RESEARCH MONOGRAPHS

- Thom, D** (2011): Risk Management in British Forestry. Pages 1-136, VDM Verlag Dr. Müller, Saarbrücken, Germany.

PRESENTATIONS

- Albrich, K, Rammer, W, **Thom, D**, Seidl, R (2017): Providing multiple ecosystem services in the face of changing disturbance regimes. IUFRO 125th Anniversary Congress, Freiburg, Germany.
- Seidl, R, **Thom, D**, Kautz, M, Martin-Benito, D, Peltoniemi, M, Vacchiano, G, Wild, J, Ascoli, D, Petr, M, Honkaniemi, J, Lexer, M, Trotsiuk, V, Mairota, P, Svoboda, M, Fabrika, M, Nagel, T, Reyer, CPO (2017): Modeling changing forest disturbance regimes. IUFRO 125th Anniversary Congress, Freiburg, Germany.
- Seidl, R, **Thom, D**, Kautz, M, Martin-Benito, D, Peltoniemi, M, Vacchiano, G, Wild, J, Ascoli, D, Petr, M, Honkaniemi, J, Lexer, M, Trotsiuk, V, Mairota, P, Svoboda, M, Fabrika, M, Nagel, T, Reyer, CPO (2017): Understanding and modeling forest disturbances under climate change. IUFRO 125th Anniversary Congress, Freiburg, Germany.
- Thom, D**, Rammer, W, Seidl, R (2017): Changing disturbance regimes and their impact on the climate regulating function of forests. IUFRO 125th Anniversary Congress, Freiburg, Germany.
- Sotnik, G, Kruhlov, I, Scheller, R, **Thom, D**, Kovalchuk, K, Nielsen-Pincus, M (2017): Human adaptation to climate change in Bohdanska Dolyna, Ukrainian Carpathians. International Symposium on Society and Resource Management (ISSRM), Umeå, Sweden.
- Thom, D**, Rammer, W, Müller, J, Seidl, R (2017): Disturbances mitigate climate change effects on biodiversity. 2nd International Conference on Forests, Neuschönau, Germany.
- Thom, D**, Rammer, W, Seidl, R (2016): Forest landscape trajectories under climate change reveal time lags of adaptation and ecological novelty. EcoSummit2016, Montpellier, France.
- Kruhlov, I, **Thom, D**, Scheller, R, Sotnik, G, Chaskovskyy, O, Keeton, W (2016): Future forest landscapes of the Ukrainian Carpathians. Forum Carpaticum, Bucharest, Romania
- Thom, D**, Rammer, W, Seidl, R (2015): Disturbances facilitate the adaptation of forest composition to climate change. Mountain Forest Management in a Changing World, Smokovec, Slovakia.
- Thom, D**, Seidl, R, Thorn, S (2015): Can disturbance management foster both biodiversity and ecosystem services. Forestry: Bridge to the future, Sofia, Bulgaria.
- Thom, D**, Rammer, W, Seidl, R (2014): Disturbance dynamics in forest landscapes. 1st PROFOUND Joint Working Group and Management Committee Meeting, Potsdam, Germany.
- Thom, D**, Seidl, R (2014): Disturbance effects on forest ecosystem service provisioning and biodiversity. Forest landscape mosaics: disturbance, restoration and management at times of global change, Tartu, Estonia.

Thom, D, Seidl, R, Steyrer, G, Krehan, H, Formayer, H (2013): The sensitivity of wind and bark beetle disturbance to slow and fast drivers in Central European forests. ClimTree 2013, ETH Zürich.

PRIZES AND AWARDS

2017 Nationalparks Austria Wissenschaftspreis

2017 Prof. Anton Kurir-Stiftung

2017 CCCA Nachwuchspreis

2013 Dr.in Wilfrieda Lindner Wissenschaftspreis

TEACHING

Advanced Forest Ecology 2017
(at UVM, Burlington, USA)

Forest Disturbances and Ecosystem Services: Data and Modelling 2016
(at EMÜ, Tartu, Estonia)

Grundlagen der Waldbewirtschaftung (Silvicultural basics) 2015, 2016, 2017
(at BOKU, Vienna, Austria)

MENTORING

Ph.D. advisory board: Katharina Albrich 2017 (ongoing)
(at BOKU, Vienna, Austria)

REVIEWER FOR PEER-REVIEWED JOURNALS

Agricultural and Forest Meteorology

Austrian Journal of Forest Sciences

Annals of Forest Science

Biodiversitas
Biological Conservation
Canadian Journal of Forest Research
Civil and Environmental Engineering Reports
Climate
Ecological Applications
Ecology and Evolution
Ecological Modelling
Forest Ecology and Management
Forests
IForest: biogeosciences and forestry
International Journal of Biodiversity and Conservation
Journal of Applied Ecology
PLOS ONE
Scandinavian Journal of Forest Research
Scientific Reports

REVIEWER FOR SUBSIDY INSTITUTIONS

Comision Nacional de Investigacion Cientifica y Tecnologica (Program FONDECYT).
Government of Chile. Chile.