Curriculum Vitae – Dr. Mária Potterf

1. Personal details

- Surname, previous surname, first name: Potterf, Havašová, Mária
- ORCID: 0000-0001-6763-1948
- Year of birth: 1987
- Nationality: Slovak
- Website: https://mariapotterf.net
- Date: 15.09.2020

2. Education and degrees completed

- 23.08.2016, PhD, Technical University, Zvolen, Slovakia
    - contact: mlynarcikova@tuzvo.sk, +421 45 5206 492
- 31.05.2012, Mgr., Comenius University, Bratislava, Slovakia
- 16.12.2011, Master 2, Université Henri Poincaré, Nancy, France

3. Other education and expertise

- Summer school:
    - 01.-05.07.2016:
        - ESA Training on Radar and Optical Remote Sensing,
        - University of Vilnius, Lithuania
- Online classes:
    - 01.11.2017 – 01.06.2018:
        - GIS Programming and Automation, Penn State University, USA
    - 01.09.2016 – 30.06.2017:
        - Writing in the Sciences, Stanford Lagunita, USA

4. Language skills

- Native language: Slovak
- Other languages:
    - English (C2), French (C2), Finnish (A1.1)

5. Current employment

- 01.03.2019 – 31.01.2022 - **Postdoctoral researcher**
- Research career model: stage II, recent doctoral graduate
- *Faculty of Mathematics and Science, Department of Biological and Environmental Science, University of Jyväskylä, Finland*
    - Identified optimal forest management to balance between economic and ecologic objectives in boreal and temperate forests *(manuscript in prep)*
    - Prepared spatial datasets to explain structure of saproxylic beetle communities.
    - Supervision of 2 Master students
    - Publication of four scientific paper as coauthor.

6. Previous work experience

- 01.04.2017-22.02.2019 - **Postdoctoral researcher**
  - *Institute of Forest Ecology, Slovak Academy of Sciences, Zvolen, Slovakia*
  - Tested the effectiveness of the forest management strategies in mitigating bark beetle outbreak. Publication of four scientific papers.
- 01.02.2016-30.06.2016 - **Pro Tem Research Assistant**
  - *Spatial Computation, Cognition and Complexity Lab, Department of Geography, University of Oregon, USA*, part-time job
  - Examined how does the impact of social and physical attributes of timber harvesting influence where and when harvesting take place.
- 15.03.2015-31.01.2016 - **Courtesy Research Assistant**
  - *Spatial Computation, Cognition and Complexity Lab, Department of Geography, University of Oregon, USA*, scholarship
  - Examined the interaction between wind and bark beetle damage using agent-based modeling. Publication of one scientific paper.
- 01.09.2012-23.08.2016 - **Doctoral student**
  - *Institute of Forest Ecology, Slovak Academy of Sciences & Technical University, Zvolen, Slovakia*
  - Investigated the spatiotemporal dynamic and interaction between windthrow, insect damage and clear-cuts using remote sensing. Publication of one scientific paper.

7. Career breaks

- no career breaks

8. Research funding and grants

- 2017-2019: 24 months
  - Supportive Fund of Štefan Schwarz for Creation of Postdoctoral Positions at Slovak Academy of Sciences, 32.000 EUR
  - Principal Investigator: Mária Potterf
- 2015: 7 months
  - National scholarship programme of the Slovak Republic, 14.000 USD
  - Principal Investigator: Mária Potterf
- 2010-2011: 12 months
  - French Government Scholarship for Master 2, 9.000 EUR
  - Principal Investigator: Mária Potterf

9. Research output

- Total number of publications: 9
- Most important publications:
  1. K. Eyvindson, R. Duflot, M. Triviño, C. Blattert, M. Potterf, and M. Mönkkönen, "High boreal forest multifunctionality requires continuous cover forestry as a dominant management," Land use policy, vol. 100, pp. 1–10, 2021.

2. R. Ďuračiová, M. Muňko, I. Barka, M. Koreň, K. Resnerová, J. Holuša, M. Blaženec, M. Potterf, R. Jakuš, "A bark beetle infestation predictive model based on satellite data in the frame of decision support system TANABBO," iForest - Biogeosciences For., vol. 13, pp. 215–223, 2020. Open access.
3. H. Vanická, J. Holuša, K. Resnerová, J. Ferenčík, M. Potterf, A. Véle, W. Grodzki, "Interventions have limited effects on the population dynamics of Ips typographus and its natural enemies in the Western Carpathians (Central Europe)," For. Ecol. Manage., vol. 470–471, no. January, 2020.
4. P. Mezei, M. Potterf, J. Škvarenina, J. G. Rasmussen, and R. Jakuš, "Potential Solar Radiation as a Driver for Bark Beetle Infestation on a Landscape Scale," Forests, vol. 10, no. 7, p. 604, 2019. Open access
5. M. Potterf, C. Nikolov, E. Kočická, J. Ferenčík, P. Mezei, and R. Jakuš, "Landscape-level spread of beetle infestations from windthrown- and beetle-killed trees in the non-intervention zone of the Tatra National Park, Slovakia (Central Europe)," For. Ecol. Manage., vol. 432, no. August 2018, pp. 489–500, 2019.
6. M. Potterf and C. Bone, "Simulating bark beetle population dynamics in response to windthrow events," Ecol. Complex., vol. 32, pp. 21–30, 2017.
7. M. Havašová, J. Ferenčík, and R. Jakuš, "Interactions between windthrow, bark beetles and forest management in the Tatra national parks," For. Ecol. Manage., vol. 391, pp. 349–361, 2017.
8. P. Mezei, R. Jakuš, J. Pennerstorfer, M. Havašová, J. Škvarenina, J. Ferenčík, J. Slivinský, S. Bičárová, D. Bilčík, M. Blaženec, S. Netherer, "Storms, temperature maxima and the Eurasian spruce bark beetle Ips typographus—An infernal trio in Norway spruce forests of the Central European High Tatra Mountains," Agric. For. Meteorol., vol. 242, no. April, pp. 85–95, 2017.
9. M. Havašová, T. Bucha, J. Ferenčík, and R. Jakuš, "Applicability of a vegetation indices-based method to map bark beetle outbreaks in the High Tatra Mountains," Ann. For. Res., vol. 58, no. 2, pp. 295–310, 2015. Open access.

10. Research supervision and leadership experience

Secondary supervisor of 2 Master students at University of Jyväskylä, Finland:

- Janita Jamalainen,
- Ellinoora Ekman
- Graduation date: November 2020

11. Teaching merits

- 16.09.2019-15.12.2019
  - student support during practical for "Foundations of Statistics for Ecology and Evolution" course at University of Jyväskylä, Finland
- 01.03.2016-01.06.2016
  - Prepared R scripts for students to process the data and run statistical analysis
  - "Spatial Analysis" course at University of Oregon, Oregon, USA

12. Other key academic merits

- Referee for scientific journals:
    - Ecological Modelling
    - PLoS ONE
    - Ecography
    - MDPI: Remote Sensing, Forests
    - Miscellania Geographica
    - Ecography
    - European Journal of Forest Research