CURRICULUM VITAE

Personal:
Ondřej Lagner
Born: 30th October, 1989, Praha (Czech Republic)

Education:
2014 – present: Ph.D. studies,

Applied and landscape Ecology, Faculty of Environmental science, Czech University of Life Sciences, Prague, Czech Republic

Thesis: Spatial data quality in digital visibility models

2012 – 2016: Master's degree

Faculty of Science, Charles University in Prague, Prague, Czech Republic

Master thesis: A development of the GIS tool for evaluation of population mobility based on mobile phone operators data

2012 – 2014: Master's degree

Faculty of Environmental science, Czech University of Life Sciences, Prague, Czech Republic

Master thesis: Evaluation of visibility analyses based on different geodata

2009 – 2012: Bachelor's degree

Faculty of Science, Charles University in Prague, Prague, Czech Republic

Bachelor's thesis: Creating 3D model of the White tower in Hradec Kralove from terrestrial laser scanning data

Professional experience:
Since 2018: Alderman in Prague 22 district

Since 2015: Czech University of Life Sciences Prague, Department of Applied Geoinformatics and Spatial Planning (assistant professor of GIS and Cartography, authorized operator of UAV's).

Since 2015: Member of academic senate Faculty of Environmental science, Czech University of Life Sciences, Prague, Czech Republic

Since 2014: Member of the Prague 22 district council

Publications:

Impact publications

Moudrý, V., Beková, A., Lagner, O. 2019. Evaluation of a high resolution UAV imagery model for rooftop solar irradiation estimates. *Remote Sensing Letters*, *10*(11), 1077-1085

Klouček, T., Moravec, D., Komárek, J., Lagner, O., & Štych, P. (2018). Selecting appropriate variables for detecting grassland to cropland changes using high resolution satellite data. *PeerJ*, *6*, e5487.

Lagner, O., Klouček, T., & Šímová, P. (2018). Impact of input data (in) accuracy on overestimation of visible area in digital viewshed models. *PeerJ*, *6*, e4835.

Klouček, T., Lagner, O., & Šímová, P. (2015). How does data accuracy influence the reliability of digital viewshed models? A case study with wind turbines. *Applied Geography*, *64*, 46-54.

Conference Proceedings

Lagner,O., Klouček, T., Fogl. M., 2019. The signifikance of using raw data: A case study with canopy height models of shrubs. SGEM2019 Conference Proceedings, ISBN 978-619-7408-79-9, ISSN 1314-2704, vol. 19, Issue 2.1. 1089-1098 pp.

Grants and project:

National grants

2018 - 2019:	Early Detection of Forest Infestation by Bark Beetle (Ips Typographus) Using Unmanned Aerial Vehicles (principal investigator (2018) co-investigator (2019)).
2015 - 2016:	Norway grants: The Reduction of Habitat Fragmentation Consequences in Various Types of Landscape in the Czech Republic (co-investigator).

Internal grants

(Founded by Internal Grant Agency of the University/Faculty)

2018 - 2019:	Remote Sensing: an Effective Tool for the Study of Spatial Dynamics of Bark Beetles at Krkonoše Mountains National Park (co-investigator).
2017 - 2018:	Influence of Remote Sensing Data Resolution in Evaluating Ecological Measures (co-investigator).
2015 - 2017:	Usability of Modern Geodata in Ecology and Landscape Ecology (principal investigator).
2015 - 2016:	Usability of Digital Surface Models for Selected Tasks in Animal and Landscape Ecology (co-investigator).
2013 - 2013	Influence of Input Geodata on Visibility Analysis of Wind Turbines (co-investigator).

Teaching activities

Since 2014	Lecturer of GIS, Cartography, Remote Sensing using UAVs
Since 2014	Supervisor and reviewer of 2 Bachelor and 4 Master Thesis (GIS applications, Landscape ecology)