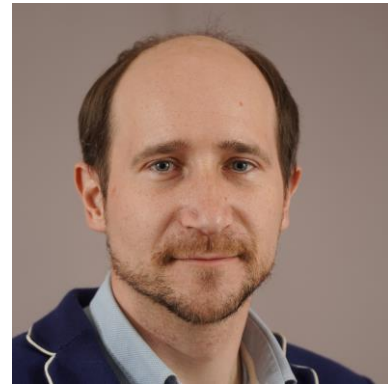


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### ACADEMIC & PROFESSIONAL APPOINTMENTS

2015-present     Junior Researcher  
**Global Change Research Institute AS CR, v.v.i.**

2015-present     Remote Sensing Specialist  
**Forest Management Institute**

2012–2014        Postdoctoral Researcher  
**University of Helsinki, Finland**  
Faculty of Agriculture and Forestry, Department of Forest Sciences

2009–2010        Visiting Scientist  
**University of Helsinki, Finland**  
Faculty of Agriculture and Forestry, Department of Forest Sciences

2007–2011        Ph.D. Student  
**Global Change Research Institute AS CR, v.v.i.**

### EDUCATION

2007–2012        Ph.D. in Applied Geoinformatics  
**Mendel University in Brno, Czech Republic**  
Faculty of Forestry and Wood Technology,  
Department of Geoinformation

2007–2009        **HYPER-I-NET summer school: FP6 Marie Curie**  
Research Training Network on Hyperspectral Imaging

2002–2007        Master's and Bachelor's degree in Geoinformatics  
**VŠB–Technical University of Ostrava, Czech Republic**  
Faculty of Mining and Geology, Institute of Geoinformatics

### SCIENTOMETRY (SCOPUS)

Documents        36  
H-index            15  
Total citations    1002

**FIELDS OF SCIENTIFIC INTEREST**

- imaging spectroscopy
- validation of quantitative remote sensing products
- retrieval of forest structural parameters
- radiative transfer modelling
- spectral invariants
- hyperspectral data acquisition
- optical properties
- vegetation eco-physiology

**REVIEWER FOR**

- Remote Sensing of Environment
- Remote Sensing
- Remote Sensing Letters
- International Journal of Remote Sensing
- National Research Council of Canada
- Belgian Earth Observation Platform STEREO II

**SELECTED PUBLICATIONS**

HOVI, A., **LUKEŠ, P.**, HOMOLOVÁ, L., JUOLA, J., & RAUTIAINEN, M. (2022) Small geographical variability observed in Norway spruce needle spectra across Europe. *Silva Fennica*, 56

NEUWIRTHOVÁ, E., LHOTÁKOVÁ, Z., **LUKEŠ, P.**, & ALBRECHTOVÁ, J. (2021). Leaf Surface Reflectance Does Not Affect Biophysical Traits Modelling from VIS-NIR Spectra in Plants with Sparsely Distributed Trichomes. *Remote Sensing*, 13(20), 4144.

**LUKEŠ, P.**, NEUWIRTHOVÁ, E., Lhotáková, Z., Janoutová, R., & Albrechtová, J. (2020). Upscaling seasonal phenological course of leaf dorsiventral reflectance in radiative transfer model. *Remote Sensing of Environment*, 246, 111862.

RAUTIAINEN, M; **LUKEŠ, P**; HOMOLOVÁ, L; HOVI, A; PÍSEK, J; MOTTUS, M. (2018): Spectral Properties of Coniferous Forests: A Review of In Situ and Laboratory Measurements. *Remote Sensing*, 10(2), 1-28., IF=3.244., cit. WOS: 0

**LUKEŠ, P**; RAUTIAINEN, M; MANNINEN, T; STENBERG, P; MOTTUS, M. (2014): Geographical gradients in boreal forest albedo and structure in Finland. *Remote Sensing of Environment*, 152, 526-535. doi: 10.1016/j.rse.2014.06.023., IF=7.653., cit. WOS: 12

MALENOVSKÝ, Z; HOMOLOVÁ, L; ZURITA-MILLA, R; **LUKEŠ, P**; KAPLAN, V; HANUŠ, J.; GASTELLU-ETCHEGORRY, JP; SCHAEPMAN, ME. (2013): Retrieval of spruce leaf chlorophyll content from airborne image data using continuum removal and radiative transfer. *Remote Sensing of Environment*, 131, 85-102. doi:10.1016/j.rse.2012.12.015., IF=7.653., cit. WOS: 51

**LUKEŠ, P**; STENBERG, P; RAUTIAINEN, M; MOTTUS, M; VANHATALO, KM. (2013): Optical properties of leaves and needles for boreal tree species in Europe. *Remote sensing letters*, 4(7), 667-676. doi: 10.1080/2150704X.2013.782112., IF=1.532., cit. WOS: 39