



Remote Sensing Lectures "Remote sensing of forest disturbances"

Forest disturbances are manifold and ubiquitous. In this webinar we will have four in-house and four external presentations from renowned institutes covering a broad range of forest disturbances such as windthrows, droughts, pathogens, insects and fires using cutting-edge remote sensing techniques. Besides latest research outcomes at different spatial and temporal scales, deeper insight into GEE for mapping disturbances will be given.

Date: WED 11 May 2022, 9:00-12:00

Join Zoom Meeting: <https://wsl.zoom.us/j/67522612971>

Topic: Remote Sensing Lectures, Time: May 11, 2022 09:00 AM Zürich, Meeting ID: 675 2261 2971



Schedule:

- 09:00-09:10** **Welcome note, overview disturbances at WSL**
Lars Waser, Remote sensing group, WSL
- 09:10-09:30** **Remote Sensing for monitoring ash dieback in Germany**
Petra Adler, FVA Freiburg, Germany
- 09:30-09:50** **Bark beetle damage detection in Bavaria**
Christoph Straub, LWF Freising, Germany
- 09:50-10:10** **Large-scale early-wilting response of Central European forests to the 2018 extreme drought**
Philipp Brun, Dynamic macroecology group, WSL
- 10:10-10:30** **The drought of 2018 and its effects on bark beetle outbreaks in Swiss forests**
Achilleas Psomas, Remote sensing group, WSL
- 10:30-10:45** **Break**
- 10:45-11:20** *3 presentations from University of Florence, Italy:*
Overview, Big data (*Gherardo Chirici*)
Storm damages “Vaia” using multi-remote sensing data (*Francesca Giannetti*)
GEE for large-area disturbance mapping (*Saverio Francini*)
- 11:20-11:40** **Rapid Sentinel-1-based detection of windthrows - first results of the FNEWs project**
Marius Rüetschi, Remote sensing group, WSL
- 11:40-12:00** **From pixels to events: identifying storms and fires from satellite-based disturbance maps**
Cornelius Senf, TUM, Freising, Germany
- 12:00** **Wrap-up and closing**

See you there,

Lars Waser, Dominique Weber, Marius Rüetschi and Tiziana Koch

Don't want to miss upcoming remote sensing lectures?

Send an email to waser@wsl.ch to be added to the **remotesensing@wsl.ch** list.