

Post-fire vegetation succession after 5 years in managed pine forests at different time since clearcutting

SND-ID: 2021-46-1. **Version:** 1. **DOI:** <https://doi.org/10.5878/gxm0-cp19>

Download data

post_fire_vegetation_TSC_plotlevel_data.csv (42.82 KB)

post_fire_vegetation_TSC_standlevel_trait_sp_data.csv (6.58 KB)

Associated documentation

Gustafsson-L-et-al-2021.pdf (894.48 KB)

METADATA_post_fire_vegetation_TSC_plotlevel_data.csv (4.76 KB)

METADATA_post_fire_vegetation_TSC_standlevel_trait_sp_data.csv (4.83 KB)

Download all files

2021-46-1-1.zip (~953.47 KB)

Citation

Gustafsson, L., Johansson, V., Leverkus, A., Strengbom, J., Wikberg, S., & Granath, G. (2021) Post-fire vegetation succession after 5 years in managed pine forests at different time since clearcutting (Version 1) [Data set]. Swedish University of Agricultural Sciences. Available at: <https://doi.org/10.5878/gxm0-cp19>

Alternative title

Data set: Shorter disturbance interval truncates vegetation succession

Creator/Principal investigator(s)

[Lena Gustafsson](#) - Swedish University of Agricultural Sciences, Department of Ecology

[Victor Johansson](#) - Stockholm University, Department of Ecology, Environment and Plant Sciences

[Alexandro Leverkus](#) - Universidad de Granada, Departamento de Ecología

Joachim Strengbom - Swedish University of Agricultural Sciences, Department of Ecology

Sofie Wikberg - Wikberg Frilansökolog AB

[Gustaf Granath](#) - Uppsala University, Department of Ecology and Genetics

Research principal

[Swedish University of Agricultural Sciences](#) - Department of Ecology

Description

To study plant community succession after fire and how it is influenced by time since previous (pre-fire) disturbance, vegetation data were collected in 2019, 5 years after a large (13000 hectare) wildfire in boreal Southern Sweden (county Västmanland). Plant communities were surveyed in severely burnt even-aged pine stands that varied in time since clearcutting (0-123 years) before the wildfire occurred. Data includes at the plot-level (50x50cm quadrats): vascular and moss species

frequency, total cover, dead wood, and canopy openness. At the stand-level: means for all species, community weighted trait means (trait data from databases), and distance to the fire perimeter.

Two files are archived. (1) post_fire_vegetation_TSC_plotlevel_data.csv contains all raw data from each surveyed vegetation plot, (2) post_fire_vegetation_TSC_standlevel_trait_sp_data.csv contains averaged species abundance data and community weighted trait means at the stand level.

Data contains personal data

No

Language

[English](#)

Time period(s) investigated

2019-06-27 - 2019-07-18

Data format / data structure

[Numeric](#)

[Text](#)

Geographic spread

Geographic location: [Sweden](#), [Västmanland County](#)

Geographic description: Plots located in the nature reserve Hälleskogsbrännan in Västmanland county, in the south boreal zone.

Responsible department/unit

Department of Ecology

Research area

[Botany](#) (Standard för svensk indelning av forskningsämnen 2011)

[Ecology](#) (Standard för svensk indelning av forskningsämnen 2011)

[Forest science](#) (Standard för svensk indelning av forskningsämnen 2011)

[Biota](#) (INSPIRE topic categories)

Keywords

[Habitats and biotopes](#), [Species distribution](#), [Boreal](#), [Forest fire](#), [Plant community](#), [Clear cutting](#), [Tallskog](#), [Plant traits](#), [Wildfire](#), [Resilience](#), [Disturbance](#), [Succession](#)

Publications

Gustafsson, L., Johansson, V., Leverkus, A. B., Strengbom, J., Wikberg, S., & Granath, G. (2021). Disturbance interval modulates the starting point for vegetation succession. *Ecology*. 102 (9), e03439.

<https://doi.org/10.1002/ecy.3439>

DOI: <https://doi.org/10.1002/ecy.3439>

If you have published anything based on these data, [please notify us](#) with a reference to your publication(s). If you are responsible for the catalogue entry, you can update the metadata/data

description in DORIS.

Polygon (Lon/Lat)

16.067495505778, 59.944694969635

16.067495505778, 59.82894420089

16.262512207031, 59.82894420089

16.262512207031, 59.944694969635

16.067495505778, 59.944694969635

Accessibility level

Access to data through SND

Data are freely accessible

Use of data

[Things to consider when using data shared through SND](#)

License

[CC BY 4.0](#)

Versions

Version 1. 2021-02-25

Contact for questions about the data

Lena Gustafsson

Lena.Gustafsson@slu.se

Download metadata

[DataCite](#)

[DDI 2.5](#)

[DDI 3.3](#)

[DCAT-AP-SE 2.0](#)

[JSON-LD](#)

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[File overview \(CSV\)](#)

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