Data for: Historical floras reflect broad shifts in flowering phenology in response to a warming climate

SND-ID: 2021-152-1. **Version**: 1. **DOI**: https://doi.org/10.5878/rn49-wx18

Is part of collection at SND: Phenology observations and studies

Download data

phenology_data.csv *(158.03 KB)*

phenology_species_models_temp.csv *(66 KB)*

phenology_species_models_time.csv *(73.67 KB)*

Associated documentation

Appendix.pdf *(288.89 KB)*

Auffret-AG-2021.pdf *(2.45 MB)*

README.txt *(7.55 KB)*

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2021-152-1-1.zip *(~3.03 MB)*

Citation

Auffret, A. (2021) Data for: Historical floras reflect broad shifts in flowering phenology in response to a warming climate (Version 1) [Data set]. Swedish University of Agricultural Sciences. Available at: https://doi.org/10.5878/rn49-wx18

Creator/Principal investigator(s)

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Principal's reference number

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Description

The data set contains months of flowering from 11 guides to the Swedish flora published over a period of 220 years (1798-2018), focussing on 241 plant species (approximately 8% of the Swedish flora). These species were a combination of randomly-selected common and widespread species (n=199) and species for which the species' Swedish or binomial scientific name indicates that it is related to flowering phenology, or are species for which the public is encouraged to report data for the Swedish phenology network (n=42). These data were used to test whether broad changes in flowering phenology (start, cessation and length) over time and in response to climate warming were detectable from these historical sources.

Data contains personal data

No

Language

English

Time period(s) investigated

1798 – 2018

Variables

30

Data format / data structure

Numeric

Text

Geographic spread

Geographic location: Sweden

Responsible department/unit

Department of Ecology

Funding 1

- Funding agency: Swedish research council Formas
- Funding agency's reference number: 2015-1065
- Project name on the application: Responses in floral diversity and distributions to changes in land use and climate

Funding 2

- Funding agency: Swedish Research Council
- Funding agency's reference number: 2020-04276
- Project name on the application: Interacting effects of land-use and climate change on biodiversity

Research area

Earth and related environmental sciences (Standard för svensk indelning av forskningsämnen 2011)

Climate research (Standard för svensk indelning av forskningsämnen 2011)

Natural sciences (Standard för svensk indelning av forskningsämnen 2011)

Biological sciences (Standard för svensk indelning av forskningsämnen 2011)

Ecology (Standard för svensk indelning av forskningsämnen 2011)

Keywords

Phenology, Flowering date, Climate change impact

Publications

Auffret, A.G. (2021). Historical floras reflect broad shifts in flowering phenology in response to a warming climate, Ecosphere. 12 (7), e03683.
DOI: https://doi.org/10.1002/ecs2.3683

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.

Accessibility level

Access to data through SND
Data are freely accessible

Use of data

Things to consider when using data shared through SND

License

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Versions

Version 1. 2021-07-06

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Phenology observations and studies

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DataCite

DDI 2.5

DDI 3.3

DCAT-AP-SE 2.0

JSON-LD

PDF

Citation (CLS)

File overview (CSV)

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