

Naturens kalender: Växtkalendern - fenologiska observationer av medborgarforskare

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Ingår i samling hos SND: [Fenologiska observationer och undersökningar](#)

Ladda ner data

metadata_plants_calendar_2008-2021.pdf (201.02 KB)

plants_calendar_2008-2021.csv (16.17 MB)

plants_calendar_phaselist_2008-2021.csv (3.9 KB)

plants_calendar_specieslist_2008-2021.csv (192.3 KB)

vaxtkalendern_fenologimanual_2021.pdf (883.86 KB)

Tillhörande dokumentation

vaxtkalendern_fenologimanual_2021.pdf (883.86 KB)

Ladda ner alla filer

2022-86-1-1.zip (~18.28 MB)

Citering

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Svenska Botaniska Föreningen

Sveriges Biodlares Riksförbund

Forskningshuvudman

[Sveriges lantbruksuniversitet](#) - Enheten för skoglig fältforskning

Beskrivning

Naturens kalender (www.naturenskalender.se) drivs av Svenska fenologinätverket, som är ett nätverk med flera universitet, myndigheter och föreningar. SLU, Sveriges lantbruksuniversitet, är nätverkets huvudman.

Huvuduppgiften för Naturens kalender är att samla in observationer av vårtecken, hösttecken och annat i naturens kalender.

Data om naturens kalender samlas in på två olika sätt. Dels bedrivs en långsiktig miljöövervakning i form av "kalendrar" där rapporter om fenologiska observationer samlas in över hela året, dels

genomför vi korta "kollar" där vi tar en ögonblicksbild av naturens kalender i landet vid en viss tidpunkt på året. Den långsiktiga miljöövervakningen genomförs av frivilliga och professionella medborgarforskare, s.k. fenologiväktare, i Växtkalendern (från 2008), Fågelkalendern (från 2016) och Bikalendern (2015-2018).

Motiv och syfte

Fenologiska förändringar i naturen är den tydligaste biologiska effekten av en klimatförändring. Vårtecken, hösttecken, växtsäsongens start, slut, längd och andra händelser i naturens kalender är kopplade till grundläggande egenskaper hos ekosystemen. Samspelet mellan olika arter, t.ex. växterna och deras pollinatörer, påverkas också, om naturens kalender ändras. En förändring av naturens kalender får också effekt för landets alla pollenallergiker eftersom både tidpunkten och längden på pollenperioden ändras. Observationer som samlas in i Naturens kalender kan jämföras med motsvarande observationer som gjordes för över 100 år sedan (se Svenskt historiskt fenologidataset, som publicerats på annan plats på SND), för att upptäcka fenologiska förändringar över tid som kan bero på klimatförändringar.

Målet med Naturens kalender är att samla in data om allt från första vårtecken till sista hösttecken, så att vi kan erbjuda landsomfattande data till alla intresserade, för att underlätta forskning, miljömålsarbete och information och göra oss bättre rustade att möta klimatförändringens effekter. Data från Naturens kalender används exempelvis till uppföljningen av de svenska miljömålen genom miljömålsindikatorn "Växternas växtsäsong" (www.slu.se/vaxternasvaxtsasong).

Via SND tillgängliggörs tre dataset: Växtkalendern, Bikalendern och Vårkollen, som alla kommer från samma databas i Naturens kalender. Fågelkalenderns data publiceras i Artportalen (www.artportalen.se).

I Växtkalendern har medborgarforskare rapporterat in observationer av hur

- blomning
- lövsprickning
- barrträds skottskjutning
- bär- och fruktmognad
- fröspridning
- höstlövens färger
- lövfällning

utvecklas under växtsäsongen.

Målet är att bidra med landsomfattande data för att bättre kunna följa, förstå och förutse klimatförändringens effekter på vilda växter i Sverige.

Datasetet innehåller en fil med observationsdata (plants_calendar_2008-2021.csv), en fil med den kompletta artlistan som används av observatörerna (plants_calendar_specieslist_2008-2021.csv), en fil med kompletta listan över de fenologiska faser som observatörerna kan rapportera (plants_calendar_phaselist_2008-2021.csv), en PDF-fil (metadata_plants_calendar_2008-2021.pdf) med metadata som beskriver hur ovanstående filer relaterar varandra samt beskriver ingående variabler, samt en PDF-fil (vaxtkalendern_fenologimanual_2021.pdf), som är den manual som s.k. fenologiväktare lovat följa (d.v.s. de som rapporterar med en högre kvalitet). Observationsdatafilen innehåller totalt 148 481 observationer.

Observationsdatafilen kan användas fristående, övriga kan ses som kompletterande information för att förstå innehållet i denna (liksom att få fenologiska faserna i engelsk översättning).

Datainsamlingen i "Naturens kalender - Växtkalendern" påbörjades 2008, men ett antal observationer från enskilda observationsplatser som gjorts vid tidigare datum har också registrerats i databasen, varför observationsdatafilen innehåller enstaka observationer ända från 1980 och framåt.

Koordinaterna för observationsplatserna har gjorts diffusa, dels för att ta bort möjligheten att spåra observatören (avrundning till 3 decimaler), dels för att ta bort möjligheten att spåra platsen för observationer av skyddsvärda arter (avrundning till 1,5 decimaler = >6 km diffusion) i enlighet med reglerna för publik hantering av nationellt skyddade arter (se <https://www.artdatabanken.se/var-verksamhet/fynddata/skyddsklassade-arter/>).

Data innefattar personuppgifter

Nej

Språk

[Engelska](#)

[Svenska](#)

Tidsperiod(er) som undersökts

2008-01-01 - Pågående

Variabler

15

Dataformat / datastruktur

[Numeriska](#)

[Text](#)

Datainsamling 1

- Insamlingsmetod: Fältobservation
- Beskrivning av insamlingsmetod: Observationer gjorda i fält av medborgarforskare
- Tidsperiod(er) för datainsamling: 2008 - 2021

Geografisk utbredning

Geografisk plats: [Sverige](#)

Geografisk beskrivning: Data finns från hela Sverige.

Ansvarig institution/enhet

Enheten för skoglig fältforskning

Övriga forskningshuvudmän

[Lunds universitet](#)

[Stockholms universitet](#)

[Göteborgs universitet](#)

Finansiering

- Finansiär: SLU:s fortlöpande miljöanalysprogram

Forskningsområde

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

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

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

[Biologi och ekologi](#) (INSPIRE topic categories)

Nyckelord

[Plant phenology](#), [Bin](#), [Arters utbredning](#), [Spring \(season\)](#), [Spring](#), [Phenology](#), [Medborgarforskning](#), [Vårtecken](#), [Fenologi](#)

Multi polygon (Lon/Lat)

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Versioner

Version 1. 2022-06-03

Hemsida

[Naturens kalender](#)

Kontakt för frågor om data

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Denna resurs har följande relationer

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