

Hibernating ichneumonids in Western Europe

From Observation to Checklist

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with special thanks to Stijn Cooleman (INBO)



Natuurpunt 
Aculea-wilde bijen en wespen



First comprehensive catalogue of hibernating Darwin wasps in the Western Palearctic (**Hymenoptera**, **Ichneumonidae**)

▼ [Fons Verheyde](#), [Augustijn De Ketelaere](#), [Geir Ørsnes](#), [William Pénigot](#), [Malcolm Storey](#), [Ika Österblad](#), [Al Cameron](#), [Gunnar Engan](#), [Miroslav Fiala](#), [Jonas Lutz](#), [Maksym Parkhomenko](#), [Vladimir E Gokhman](#), [Wouter Dekoninck](#), [Stijn Cooleman](#), [Jan Mees](#)

Abstract ▲

Background

In the Western Palearctic, many species of Darwin wasps exhibit a form of diapause known as free-living adult diapause, similar to hibernation in certain beetle, bumblebee

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Introduction

- ▶ Have a complete overview of all hibernating species
 - ▶ Free-living adults in diapause (5%)
 - ▶ Up to date taxonomy
 - ▶ Evaluation (dubious historical records)
 - ▶ Incorrect, Unverified, Correct
 - ▶ Country-specific
 - ▶ Hibernaculum-specific classification
- ▶ Open access paper and dataset



***Ichneumon insidiosus* Wesmael, 1845**

Notes: Similar in appearance to *I. erythromerus* (Horstmann 2003).

Status: Confirmed.

Records: France (4), Germany (7), Ireland (2), Russia (2), United Kingdom (1)*.

First record: Ca. 1871 (Tischbein (1871), Germany).

Hibernacula: DT (8), DV (1), LV (1), M (7), S (1), U (2).

Sources: Tischbein (1871) and Tischbein (1873b), Berthoumieu (1894), Seyrig (1923), Heinrich (1951), Aerts (1957), Rasnitsyn (1959), Bauer (1984), Gokhman (1990b), Sebald et al. (2001), Valemberg and Vago (2013); **Unpublished:** GBIF, Pers. obs.

Also mentioned in: Morley (1903), Constantineanu (1959), Gokhman (2003).



I. The observation – the observer





I. The observation – the observer

- ▶ Uses a citizen science portal to
 - ▶ Post evidence (photographs)
 - ▶ Register location
 - ▶ Note down anything relevant, just like in a notebook
- ▶ Our example: 1 specimen of *Lymantrichneumon disparis*
- ▶ In the catalogue, **7443 records of 27567 specimens** were integrated



II. The valorised observation – the validator/identifier

- ▶ Uses the citizen science portal to
 - ▶ Validate the evidence
 - ▶ Adjust metadata
 - ▶ Amount: not 1 but 9
 - ▶ Gender: Female
 - ▶ Stage: Adult
 - ▶ Activity: Hibernating
 - ▶ Find new distributional patterns (faunistics) and see population tendencies (ecology)
- ▶ *In the catalogue, **2525 records of the 7443 records** consisted of valorised observations from citizen science portals (on a total of > 300,000 validated recs.)*



III. Compiling observations – the scientist

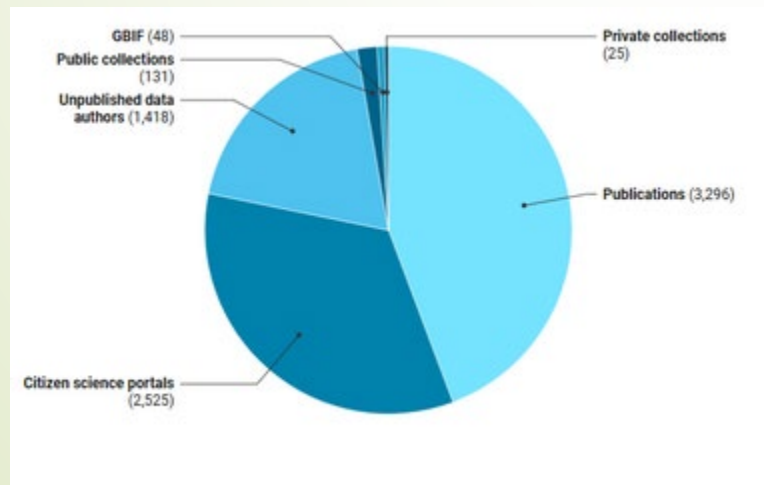
- ▶ Does not care at all about the origin of the data...





III. Compiling observations – the scientist

- Does not care at all about the origin of the data
 - Unpublished records from original fieldwork (19%)
 - Unpublished records from public/private collections (3%)
 - Unpublished records from citizen science portals (34%)
 - Published records from literature (44%)





III. Compiling observations – the scientist

- Wants to publish as quick and open as possible
- Wonders about data when everything is already finalised..

715	DT	234434732	Hoplismenus terrificus	2/27/2022	3	overwinte	onbekend	4.188855	51.052569	2.34E+08	Kastel - H� Hamme	Moerzeke	Oost-Vlaanderen
716	DT	234435625	Stenichneumon culpator	2/27/2022	1	overwinte	gezien	4.188984	51.050994	2.34E+08	Kastel - H� Hamme	Moerzeke	Oost-Vlaanderen
717	C	234436832	Diphyus quadripunctorius	2/27/2022	4	overwinte	gezien	5.591103	50.477337	1.74E+08	Tartines	Comblain-Comblain-Li�ge	
718	DT	234436994	Orthocentrus spec.	2/27/2022	1	overwinte	gezien	4.938258	51.270397	1.39E+08	Kasterlee	Turnhout	Turnhout Antwerpen
719	C	234437408	Diphyus quadripunctorius	2/27/2022	1	overwinte	gezien	5.587709	50.47913	1.74E+08		Comblain-Comblain-Li�ge	
720	C	234519081	Diphyus quadripunctorius	2/27/2022	1	overwinte	gezien	5.580347	50.473454	1.74E+08	Tier Pirard	Comblain-Comblain-Li�ge	
721	C	234519512	Diphyus quadripunctorius	2/27/2022	1	overwinte	gezien	5.591479	50.477524	1.74E+08	Tartines	Comblain-Comblain-Li�ge	
722	C	234519634	Diphyus quadripunctorius	2/27/2022	1	overwinte	gezien	5.591479	50.477524	1.74E+08	Tartines	Comblain-Comblain-Li�ge	
723	C	234915304	Diphyus quadripunctorius	2/27/2022	1	overwinte	onbekend	5.580329	50.473452	2.34E+08	Tier Pirard	Comblain-Comblain-Li�ge	
724	C	234916133	Diphyus quadripunctorius	2/27/2022	1	overwinte	onbekend	5.59129	50.47739	2.34E+08	Tartines	Comblain-Comblain-Li�ge	
725	DT	234451000	Lymantrichneumon disparis	2/28/2022	1	overwinte	onbekend	4.522811	50.803309	4.18E+08	Tervuren	Tervuren	Tervuren Vlaams-Brabant
726	DT	234451032	Ichneumon inquinatus (?)	2/28/2022	1	overwinte	onbekend	4.522891	50.803148	4.18E+08	Tervuren	Tervuren	Tervuren Vlaams-Brabant
727	DT	234472181	Lymantrichneumon disparis	2/28/2022	1	overwinte	onbekend	4.74555	50.814968	5.24E+08	Bierbeek	Bierbeek	Bierbeek Vlaams-Brabant
728	DT	234486762	Ichneumon stramentor	2/28/2022	1	overwinte	onbekend	5.684409	50.891391	4.85E+08	Dal van de Lanaken	Lanaken	Limburg
729	DT	234533624	Hoplismenus terrificus	3/1/2022	1	overwinte	onbekend	4.877629	51.285018	2.1E+08	Grootenhc Lille	Gierle	Antwerpen
730	LV	234547573	Colpognathus celerator (?)	3/1/2022	1	overwinte	gezien	4.91812	51.283012	1.39E+08	Turnhout - Turnhout	Turnhout	Antwerpen
731	DT	234660974	Stenichneumon culpator	3/1/2022	1	overwinte	gezien	4.032428	51.189014	67701621	Stekene - IStekene	Stekene	Oost-Vlaanderen
732	C	234616959	Diphyus quadripunctorius	3/2/2022	1	overwinte	onbekend	5.680141	50.778649	1.25E+08	Thier de Li Vis��	Lanaye	Li�ge
733	C	234720621	Diphyus quadripunctorius	3/4/2022	1	overwinte	gezien	4.735814	50.11628	63999936	Montagne Doische	Vaucelles	Namur
734	C	234724620	Diphyus quadripunctorius	3/4/2022	2	overwinte	onbekend	3.547678	50.760967	64020723	Ronse - H� Ronse	Ronse	Oost-Vlaanderen
735	DT	234822618	Ichneumon lugens	3/4/2022	1	overwinte	onbekend	4.608078	50.02842	64884183		Viroinval	Oignies-er Namur
736	DT	234740042	Ichneumon lugens	3/5/2022	1	overwinte	onbekend	4.634528	50.00438	64884183		Viroinval	Oignies-er Namur
737	DT	234746066	Chasmias motatorius	3/5/2022	1	overwinte	onbekend	5.372876	50.826785	64842609	Gors-Ople	Borgloon	Gors-Ople Limburg
738	C	234874811	Diphyus quadripunctorius	3/6/2022	2	overwinte	gezien	5.586151	50.480064	1.74E+08		Comblain-Comblain-Li�ge	
739	C	234889810	Diphyus quadripunctorius	3/6/2022	1	overwinte	gezien	5.586443	50.479952	1.74E+08		Comblain-Comblain-Li�ge	
740	C	234889960	Diphyus quadripunctorius	3/6/2022	1	overwinte	gezien	5.587818	50.479223	1.74E+08		Comblain-Comblain-Li�ge	
741	DT	234965816	Lymantrichneumon disparis	3/6/2022	1	overwinte	onbekend	4.518153	51.139439	78765102	Boechout	Boechout	Boechout Antwerpen
742	DT	249791781	Stenichneumon culpator	3/6/2022	10	overwinte	gezien	4.557438	50.372348	2.13E+08		Ch�ctelet	Ch�ctelet Hainaut (le)
743	DT	234972878	Stenichneumon culpator	3/8/2022	1	overwinte	gezien	4.842889	51.412666	1.39E+08	Wortel-Ko	Hoogstrati Wortel	Antwerpen
744	DT	234973300	Ichneumon stramentor	3/8/2022	1	overwinte	gezien	4.828298	51.412532	1.39E+08	Wortel-Ko	Hoogstrati Wortel	Antwerpen
745	DT	234973341	Stenichneumon culpator (?)	3/8/2022	1	overwinte	gezien	4.828298	51.412532	1.39E+08	Wortel-Ko	Hoogstrati Wortel	Antwerpen
746	DT	235017840	Ichneumon stramentor	3/8/2022	2	overwinte	gezien	3.888388	51.180325	1.88E+08	Wachtebeke	Wachtebeke	Wachtebeke Oost-Vlaanderen



IV. The dataset – the data scientist

- Very much cares about the origin of data
- Adjusts and ‘maps’ the validated observations to fit certain metadata fields
- Makes one or more consistent dataset(s)
- Interconnects with other datasets online (‘linked data’)

➔ Many questions for the scientists depending on the source

A	B	C	D	E	F	G	H
Data field (given in excel)	Data field (added / yet to add)	Relevant to map in new occ. dataset, if option 1...	dwc_term	yet unpublished data record example	dwc_file (option 1, regardless licences to re-use/publish rec.s) incl. Derived datasets	dwc_file (option 2) if no permission to publish some yet unpublished records (thus if not possible to integrate info in occurrence extension?)	dwc_file (option 3) if no permission to publish some yet unpublished records (thus if not possible to integrate info in occurrence extension?)
Amount	dwc_occurrenceStatus	y, exactly y, static value = present (if amount > 0)	individualCount	occurrenceStatus	1 occurrence ext	N/A	N/A
Hibernaculum		y, exactly inserted after prefix 'Found in hibernaculum type'	occurrenceRemarks	Present	occurrence ext	N/A	Species Distribution ext
Gender		y, exactly	sex	Found in hibernaculum type DT	occurrence ext	N/A	Species Distribution ext (concatenate the hibernaculum types per country)
Species		y, exactly	scientificName	Female	occurrence ext	N/A	N/A
	dwc_taxonID	y, retrieve via GBIF species matching tool	taxonID	Chasmas motatorius	taxon core	taxon core	taxon core
	dwc_taxonRank	y, static value = species	taxonRank	5027964	taxon core, occurrence ext & Taxon Description ext	taxon core & Taxon Description ext	taxon core, Occurrence ext (for permitted data records; see dwc option 1), Species Distribution ext (for permitted data records), & Taxon Description ext
	dwc_kingdom	y, static value = Animalia	kingdom	species	taxon core	taxon core	taxon core
Subfamily		y, exactly	subfamily	Animalia	taxon core	taxon core	taxon core
Tribe		y, exactly	tribe	Ichneumoninae	taxon core	taxon core	taxon core
Together with		n	tribe	Ichneumonini	taxon core	taxon core	taxon core
	dwc_occurrenceID	y, yet to create if required (own created ID, different from the ID by CS, e.g. ICHNEUM.HIBWP:00001 or ICHN.HIB.WP:00251)	occurrenceID	[create own with prefix and variable nr.s, e.g. ICHN.HIB.WP:00251]	occurrence ext	N/A	N/A
	dwc_lifeStage	y, static value = adult (double-check for 'Gelis areator' could be pupa)	lifeStage	adult	occurrence ext	N/A	optional in Species Distribution ext
	dwc_behavior	y, static value = hibernating	behavior	hibernating	occurrence ext	N/A	N/A, redundant since it's mapped in occurrenceRemarks as Hibernaculum type (and also as overwintering_adult 'Taxon Description ext')
Date		y, re-format YYYY-MM-DD	eventDate	2023-12-29	occurrence ext	N/A	Species Distribution ext (possibly interval firstDate OR concatenating all su one field?)
Country		y, exactly	country	Denmark	occurrence ext	N/A	N/A
	dwc_countryCode	y, derive from Country	countryCode	DK	occurrence ext	N/A	Species Distribution ext (one countryCode per taxon record in this ext., rather than such relevant countryCodes in one field)
Source		see 'associatedReferences OR bibliographicCitation'					
Source ID		see 'references'					
	checking GBIF URL incl. occurrence ID	n					
	already on GBIF (y/n)	n, just filter 'n' to get records for new occ. dataset					
	GBIF datasetKey (if already on GBIF)	n, use for derived datasets					
	dwc_references (especially	standardised IRI is consistently based on 'SourceID'	references	https://www.naturalist.org/observation	occurrence ext		taxon core ? (for references: possibly



IV. The dataset – the data scientist

- ▶ Original fieldwork (19%)
 - ▶ Belgium (2018-2025)
 - ▶ Czechia (2010-2011, 2024)
 - ▶ France (2004-2022)
 - ▶ Norway (2010-2021)
 - ▶ Netherlands (2021-2025)
 - ▶ Russia (1983-2013)
 - ▶ United Kingdom (2018-2025)
 - ▶ Ukraine (2020-2025)
- ▶ Unpublished, well curated, not an issue at all

IV. The dataset – the data scientist

- ▶ Literature (44%)
 - ▶ Bibliographic reference (259 refs.)
 - ▶ (Fons: Is this specimen really found in hibernation?)
 - ▶ (Fons: Is this plausible?)
 - ▶ (Fons: Is this a bulk record?)
- ▶ Published, but only one field to map ('source'): no problem at all

36

Clas. III. SYNISTATA. Ichneumon.

345. 54. *L' Ichneumon noir à pointe du corcelet, & taches du ventre blanches.*

Variat. Saepe unicum punctum utrinque albidum secundo abdominis segmento. Puncta *Geoffroyana* ad originem femorum aut desunt in nostris, aut nil aliud esse videntur quam ipsae juncturae intus albiae.

Habitat ruri non frequens.

741. I. R A P T O R I U S.

Long. 6. 1.

Scutello albo, thorace immaculato, abdominis segmento secundo, tertio, quartoque luteis, reliquis apice albis. *F. sp.* 421. 2. *Linn. Syst. Nat.* 930. 2. *Fn. Sv.* 1579.

I. niger abdomine antice ferrugineo, postice nigro, punctis tribus albis, thorace, apice, annuloque antennarum albis. *Geof. Ins.* 2. 342. 49. *L' Ichn. noir à bande fauve sur le ventre, avec la pointe du corcelet, & anneau des antennes blanc.*

Schrank E. I. 696.

Nostra specimina variant. Plerumque segmenta abdominis ferruginea duo, reliqua omnia nigra apice maculis quatuor dorsalibus albis. Variat etiam abdominis apice maculis tantum duabus albis, aculeo brevissimo. Femina.

Habitat ruri. Captus etiam intra corticem & lignum *Quercus* m. Januar.

742. I. E X T E N S O R I U S.

Long. 4. $\frac{2}{3}$ 1.

Scutello flavicante, thorace immaculato, abdominis segmento secundo, tertioque ferrugineis, ultimis apice albidis. *F. sp.* 421. 4. *Linn. Syst. Nat.* 930. 4. *Fn. Sv.* 1581.

Vespa Ichneumon *Raj. Ins.* 253. 8.

Schaeff. Icon. t. 43. f. 1. 2.

Schrankius mares tantum vidit, & ego nonnisi mares: alter sexus ne diversus, & sub alio nomine?

Habitat in hortis.



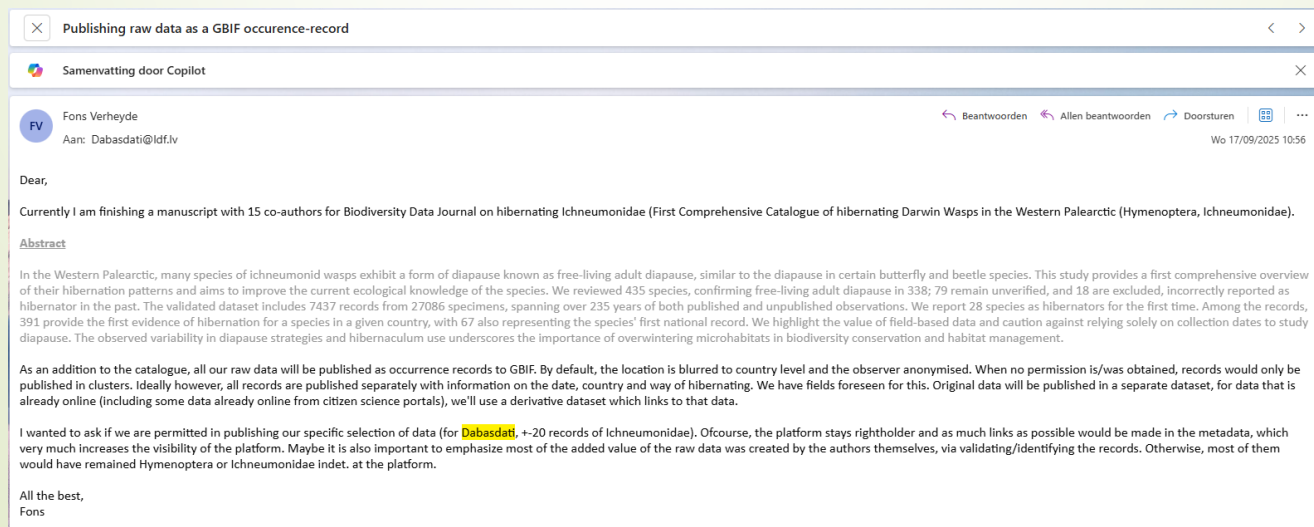
IV. The dataset – the data scientist

- Public/private collections (3%): Slightly more worrying, but still fine
 - Is there an unique identifier for specimens?
 - Are GPS coordinates known?
 - Are the specimens published on GBIF (see below?)
 - (Fons: Was this specimen really found in hibernation?)



IV. The dataset – the data scientist

- Citizen science portals (34%): All hell breaks loose
 - Is there an unique identifier we can use?
 - Is it already published (on GBIF?), if so, in which dataset ('dataset keys')
 - What about copyrights? Data usages? GDPR?
 - Can we publish coordinates in detail?





IV. The dataset – the data scientist

Table 1. Download as [CSV](#) [XLSX](#)

Overview of data from citizen-science portals used in the catalogue.

Name	Website link	Region	Number of records
Arter DK	https://arter.dk/landing-page	Denmark	17
Artsobservasjoner	https://artsobservasjoner.no/	Norway	43
Artportalen	https://www.artportalen.se/	Sweden	43
BioPortal	https://www.bioportal.si/fotoseznam.php	Slovenia	2
Dabasdati	https://dabasdati.lv/lv	Latvia	21
Facebook (groups)	https://www.facebook.com/	Western Palaearctic	6
iNaturalist	https://www.inaturalist.org/	Western Palaearctic	861
insecte.org	https://insecte.org/	France	26
iRecord	https://irecord.org.uk/	United Kingdom	118
Laji.fi	https://laji.fi/en	Finland	3
Naturbasen	https://www.naturbasen.dk/	Denmark	163
Naturgucker	https://nabu-naturgucker.de/	Germany	40
Observation.org	https://observation.org/	Western Palaearctic	1168
UKRbin	https://www.ukrbin.com/	Ukraine	14



IV. The dataset – the data scientist

- The solution – an approach in layers
 - Occurrence dataset: 4774 records

CHECKLIST DATASET | REGISTERED OCTOBER 3, 2025

Hibernating Ichneumonidae records in the Western Palearctic

Published by [Belgian Biodiversity Platform](#)

Verheyde F • De Ketelaere A • Ørsnes G • Pénigot W • Storey M • Österblad I • Cameron A • Engan G • Fiala M • Lutz J • Parkhomenko M • Gokhman V E • Dekoninck W • Cooleman S

[DATASET](#) [TAXONOMY](#) [METRICS](#) [ACTIVITY](#) [DOWNLOAD](#)

4,774 OCCURRENCES **341 RECORDS**

This dataset draws on more than 7000 occurrence records of hibernating Ichneumonid wasps across the Western Palearctic. Collected between 2010 and 2025, the data comes from a range of resources, including literature, expert observations, museum specimens and citizen science portals. Nearly 2000 of those occurrence records were already available on GBIF: exactly 1966 records from 27 external datasets are referenced via a derived dataset (<https://doi.org/10.15468/dd.4zn3wj>). In addition, this new d... [More](#)

Publication date: March 9, 2026
Metadata last modified: (W. The dataset – the data scien...) March 12, 2026
Hosted by: [Belgian Biodiversity Platform](#)
Licence: [CC BY-NC 4.0](#)
[How to cite](#) [DOI](#) 10.15468/x3jvze

IV. The dataset – the data scientist

- The solution – an approach in layers
 - Derived dataset: 1966 records (+ Zenodo/Researchgate)

DERIVED DATASET | 24 FEBRUARY 2026

Records from 28 datasets in derived dataset

DOI: 10.15468/dd.4zn3wj

[ACCESS DERIVED DATASET](#)

PLEASE USE THIS CITATION IN PUBLICATIONS

Derived dataset GBIF.org (24 February 2026) Filtered export of GBIF occurrence data <https://doi.org/10.15468/dd.4zn3wj>

[Copy](#) [BibTex](#) [RIS](#)

Title: Data used in the first comprehensive catalogue of hibernating Darwin wasps in the Western Palaearctic (Hymenoptera, Ichneumonidae)

Description:
This catalogue presents a comprehensive dataset compiled from four primary sources: published literature (44%), citizen-science portals (34%), unpublished authors' original records (19%), and public or private collections (3%). Strict inclusion criteria were applied, requiring explicit evidence of hibernation—such as specimen labels or photographic proof—rather than relying solely on collection dates. The geographical scope covers various European nations, with temporal data extending from historical records dating back to 1790 through April 2025. To ensure data integrity, the authors verified all citizen-science observations and scrutinized older literature to resolve issues regarding shifting nomenclature, uncertain georeferencing, and redundant citations. Finally, "bulk reports" were decomposed into individual occurrences where possible to provide a more granular and reliable catalogue for studying hibernating species.

Involved datasets: 28
Make sure to read the [data user agreement](#) and [citation guidelines](#).

Illinois Natural History Survey Insect Collection	1
NABUJnaturgucker	23
Waarnemingen.be - Hymenoptera occurrences in Flanders and the Brussels Capital Region, Belgium	113
Insekten Sachsen	1
Natural History Museum (London) Collection Specimens	12
HBWG Insects Dataset Vol 2	19
Survey and monitoring records for Scottish Wildlife Trust reserves from reserve convenors and Trust volunteers - Unassessed data	1
ZOBODAT (Zoological Botanical Database)	2
Observation.org, Nature data from around the World	982



IV. The dataset – the data scientist

- The solution – an approach in layers
 - ‘Species Distribution Extension’ (+- 600 records)

SPECIES | ACCEPTED

Diphyus raptorius (Linnaeus, 1758)

In: Hibernating Ichneumonidae records in the Western Palearctic

OVERVIEW VERBATIM [VIEW IN GBIF BACKLOG](#)

This is the interpretation of the species as published in Hibernating Ichneumonidae records in the Western Palearctic. To view GBIF's view on this species see the [backbone version](#).

DESCRIPTION

OVERWINTERING_EGG	0
OVERWINTERING_LARVA	0
OVERWINTERING_PUPA	0
OVERWINTERING_ADULT	1

DISTRIBUTIONS

PRESENT IN BULGARIA
source: <https://www.inaturalist.org/observations/198375767>

PRESENT IN GERMANY
source: <https://www.inaturalist.org/observations/70502752> | <https://www.inaturalist.org/observations/141249737> | <https://www.inaturalist.org/observations/187699188> | <https://www.inaturalist.org/observations/254320535> | <https://www.inaturalist.org/observations/199823997> | <https://www.inaturalist.org/observations/198602988>

PRESENT IN DENMARK
source: <https://www.inaturalist.org/observations/143021203> | <https://www.inaturalist.org/observations/190791101> | <https://www.inaturalist.org/observations/190703884> | <https://www.inaturalist.org/observations/206025408>

PRESENT IN FRANCE
source: <https://www.inaturalist.org/observations/136044352> | <https://www.inaturalist.org/observations/200819369>

PRESENT IN HUNGARY
source: <https://www.inaturalist.org/observations/254372438>

PRESENT IN LITHUANIA
source: <https://www.inaturalist.org/observations/37450890>

PRESENT IN RUSSIAN FEDERATION
source: <https://www.inaturalist.org/observations/71059075> | <https://www.inaturalist.org/observations/93728341> | <https://www.inaturalist.org/observations/139627259>

PRESENT IN SWEDEN
source: <https://www.inaturalist.org/observations/246165934>



IV. The dataset – the data scientist

➤ Bonus


- 'Taxon Description Extension' (+- 340 records) -> trait 'overwintering'

SPECIES | ACCEPTED


Ichneumon oblongus Schrank, 1802

Published in: Schrank, F. von Paula. Fauna Boica. 2(2). Ingolstadt. 412 pp. (Ichneumon on pp. 261-319). (1802).
In: GBIF Backbone Taxonomy

392 OCCURRENCES 4 INFRASPECIES



SEE GALLERY



DESCRIPTION

OVERWINTERING EGG

0

source: Hibernating Ichneumonidae records in the Western Palearctic

OVERWINTERING LARVA

0

source: Hibernating Ichneumonidae records in the Western Palearctic

OVERWINTERING PUPA

0

source: Hibernating Ichneumonidae records in the Western Palearctic

OVERWINTERING ADULT

1

source: Hibernating Ichneumonidae records in the Western Palearctic



V. Scientific outreach – the journalist



Sluipwespen in winterslaap: België speelt pioniersrol

📅 6 jan 2026

Categorieën Natuurbericht

Organisatie Aculea

📁 Insecten en ongewervelden

Voor het eerst is er een kritisch overzicht verschenen van alle sluipwespsoorten in West-Europa die de winter als volwassen insect doorkomen. Het gaat om een indrukwekkende bundeling van alle publicaties en observaties tot vandaag. Maar liefst 29 soorten worden voor het eerst officieel erkend als overwinteraars (in het volwassen stadium). België blijkt in dit type onderzoek een echte koploper te zijn: Belgische onderzoekers leveren ook het grootste aandeel waarnemingen!



Sluipwespen in winterslaap: nieuw overzicht voor West-Europa

Aculea, wilde bijen- en wespenwerkgroep van Natuurpunt EIS Kenniscentrum Insecten

30-JAN-2026 - Voor het eerst is er een volledig en kritisch geëvalueerd overzicht verschenen van alle sluipwespsoorten in West-Europa die de winter als volwassen insect doorkomen. Het gaat om een indrukwekkende bundeling van publicaties en waarnemingen, van het einde van de 18e eeuw tot vandaag. In totaal worden 29 soorten voor het eerst officieel erkend als overwinteraars.



VI. Lessons learned



➤ For the observer:

- Context is important, try to register how the specimen was found. Count numbers
- For some species, detailed pictures are needed; sometimes a 'complex' is the best you can get when you don't collect



➤ For the validator/identifier:

- Ask for details if needed, documented evidence is much more useful



➤ For the scientist:

- Citizen science data is not as open as it pretends to be (mostly due to the data owners), even when you contributed significantly
- It's not bad thinking (in detail) about your data at an early phase



Ichneumon amphibolus

Leg. Koenraad Bracke
© Bart Minnebo



BioBlitz – Ieper, Poperinge, Heuvelland 20-21/06/2026

- ▶ 'Shortlist' of 72 invited entomologists, incl. some international experts
- ▶ 15 Surveys in group (Aculea, FON, Zoogdierenwerkgroep, ANEKO, Mycologia ZWVL, ...)
- ▶ 3 Malaise traps, 3 Pitfall traps (sets), 40+ pan traps, at least 32 light traps
- ▶ Two deadlines (time to sort and identify for experts)
- ▶ <https://www.rlwesthoek.be/1000soortenweekend/>

