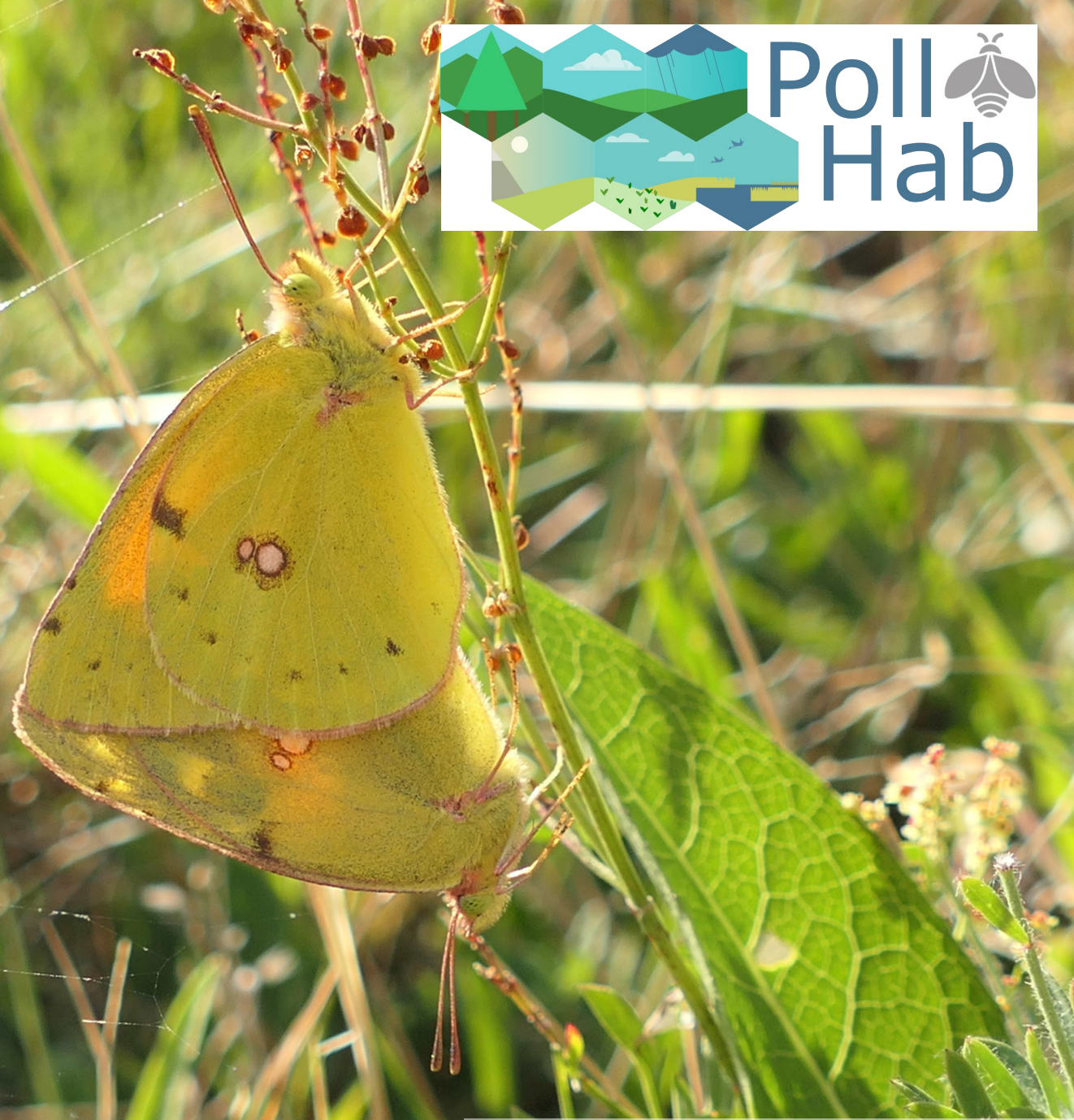


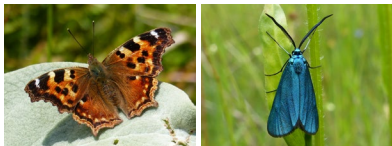
**Pollinators
typical of
habitats
protected
under the
Habitats
Directive**



Colias myrmidone Danube Clouded Yellow



EU Pollinators Initiative includes Action 4.2. *“The Commission will identify pollinators typical of habitats protected under the Habitats Directive. Member States should ensure that the measures implemented for these habitats, in particular under Natura 2000 management plans, take pollinator conservation into account. Member States should secure adequate funding for those measures”.*



Project overview

Main objective: identify 10 typical pollinator species for each protected Annex 1 habitat type



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

Lorenzo Marini

RESEARCH INSTITUTE
NATURE AND FOREST

Dirk Maes



Jurriën van Deijk



Sam Ellis
Aidan Whitfield

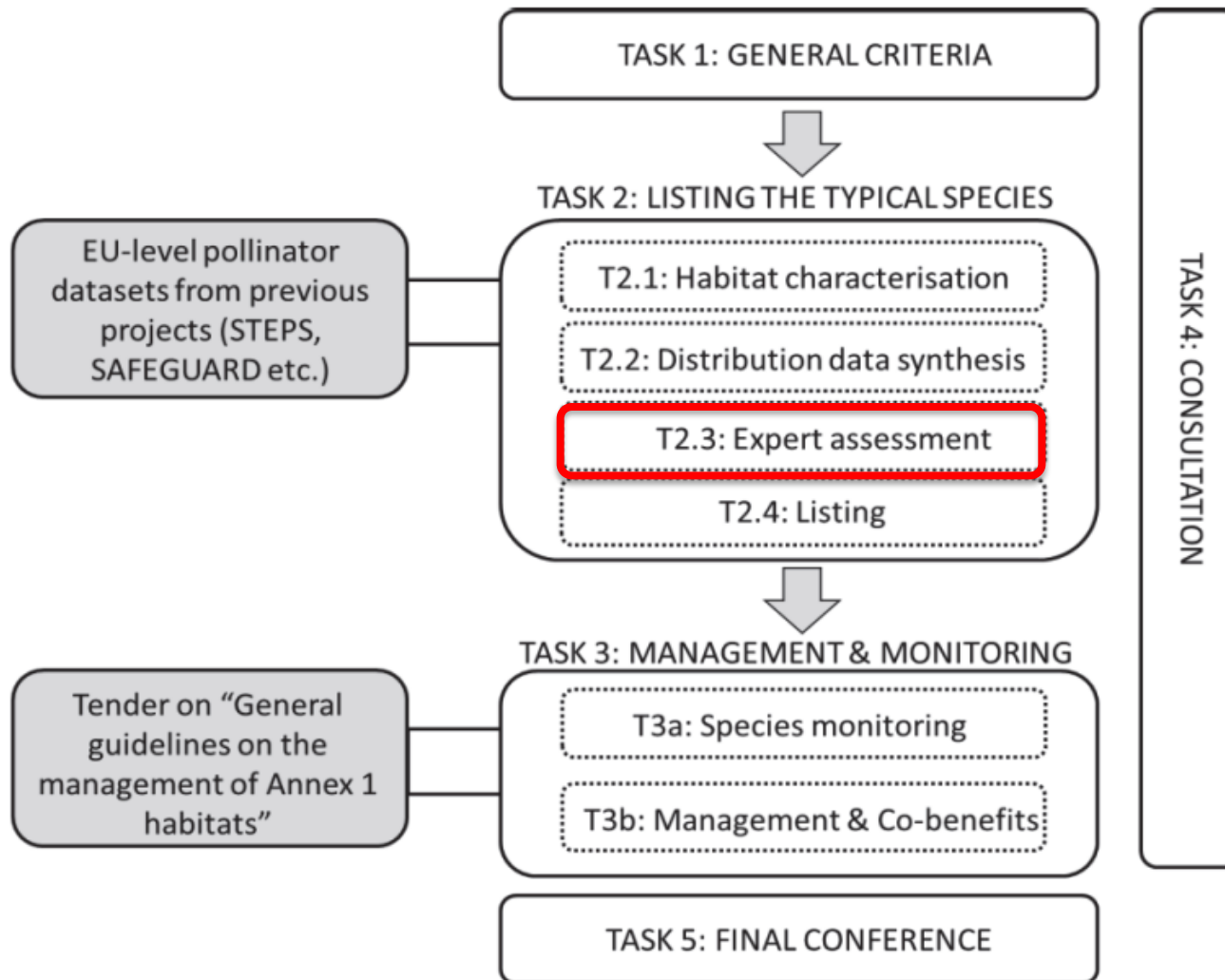
Other project leads:

Wild Bees – Denis
Michez (University
of Mons)

Hoverflies – Ante
Vuijc (University of
Novi Sad)



Organisation of the work



Two-year
project

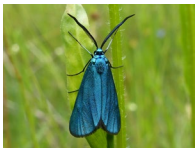
Start date: 4th
Dec 2024

End date: 3rd
Dec 2026



233 Annex 1 habitats:

1. Coastal and halophytic habitats (28)
2. Coastal sand dunes and inland dunes (21)
3. Freshwater habitats (20)
4. Temperate heath and scrub (12)
5. Sclerophyllous scrub (matorral) (13)
6. Natural and semi-natural grasslands (32)
7. Raised bogs, mires and fens (12)
8. Rocky habitats and caves (14)
9. Forests (81)



Annex 1 habitat resources

BISE BIODIVERSITY INFORMATION SYSTEM FOR EUROPE

Policy Europe's Biodiversity Countries Resources

Protected species, habitats, Natura 2000 sites factsheets

Resources > Protected species, habitats, Natura 20...

In this page you can explore the European protected species, habitats and Natura 2000 sites. You can search by Country (EU27), by name, or a code if you are an expert. Each factsheet is also reachable from the Natura 2000 viewer

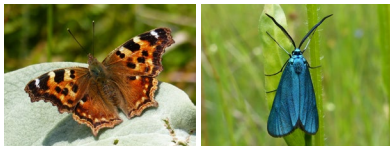
Natura 2000 sites Protected habitats Protected species

6210

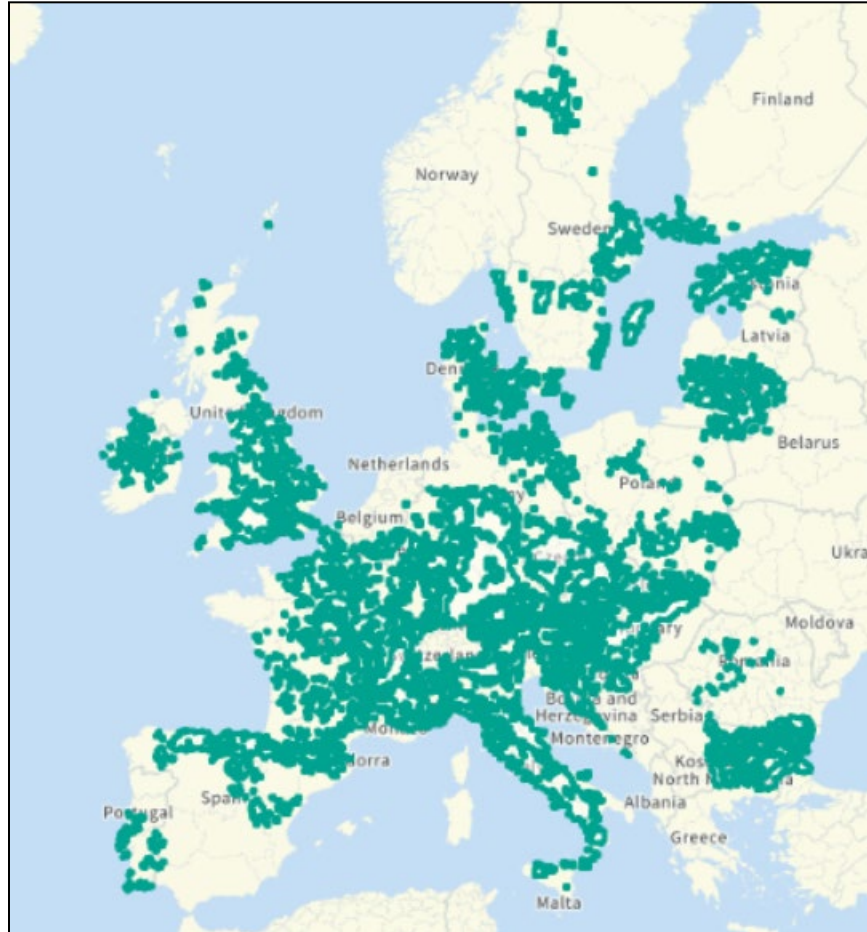
Search habitats by Natura 2000 code or scientific name.

NATURA 2000 CODE	HABITAT NAME
6210	Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)

BISE Biodiversity Information System for Europe:



Annex 1 habitat resources



Annex 1 habitat resources

European Environment Agency 

Search

A-Z Glossary

Topics Countries Data and maps Indicators Publications Media About us The EEA is an agency of the European Union 

EUNIS Home Species Habitat types Sites Global queries References About EUNIS

Natura 2000 related content is now shown on the Biodiversity Information System for Europe, BISE. Please go to  BISE or use the Natura 2000 map viewer for the latest information.

Habitat Annex I Directive hierarchical view > NATURAL AND SEMI-NATURAL GRASSLAND FORMATIONS > Semi-natural dry grasslands and scrubland facies > Semi-natural dry grasslands and scrubland facies on calcareous substrates (*Festuco-Brometalia*) (* important orchid sites)

Semi-natural dry grasslands and scrubland facies on calcareous substrates (*Festuco-Brometalia*) (* important orchid sites)

Description (English)

Dry to semi-dry calcareous grasslands of the *Festuco-Brometalia*. This habitat is formed on the one hand by steppic or subcontinental grasslands (*Festucetalia valesiacae*) and, on the other, by the grasslands of more oceanic and sub-Mediterranean regions (*Brometalia erecti*); in the latter case, a distinction is made between primary *Xerobromion* grasslands and secondary (semi-natural) *Mesobromion* grasslands with *Bromus erectus*; the latter are characterised by their rich orchid flora. Abandonment results in thermophile brushwood with an intermediate stage of thermophile fringe vegetation (*Trifolio-Geranietea*).

Only considered as a priority habitat on "important orchid sites", by which one should understand the sites that are important on the basis of one or more of the following three criteria:

- (a) the site hosts a rich suite of orchid species
- (b) the site hosts an important population of at least one orchid species considered not very common on the national territory
- (c) the site hosts one or several orchid species considered to be rare, very rare or exceptional on the national territory.

Source: Interpretation Manual of European Union Habitats, version EUR 28 (2013)

Quick facts

EU Habitats Directive	Annex I habitat type (code 6210)
Habitat type	Not priority
Natura 2000 sites	4249 are designated for this habitat type

Distribution ☐

Conservation status ☐

Species mentioned in habitat description ☐

Natura 2000 sites ☐

Legal status ☐

Relation to habitat classifications ☐

Other resources ☐

EUNIS European Nature Information System:

https://eunis.eea.europa.eu/habitats-annex1-browser.jsp?expand=#level_10001

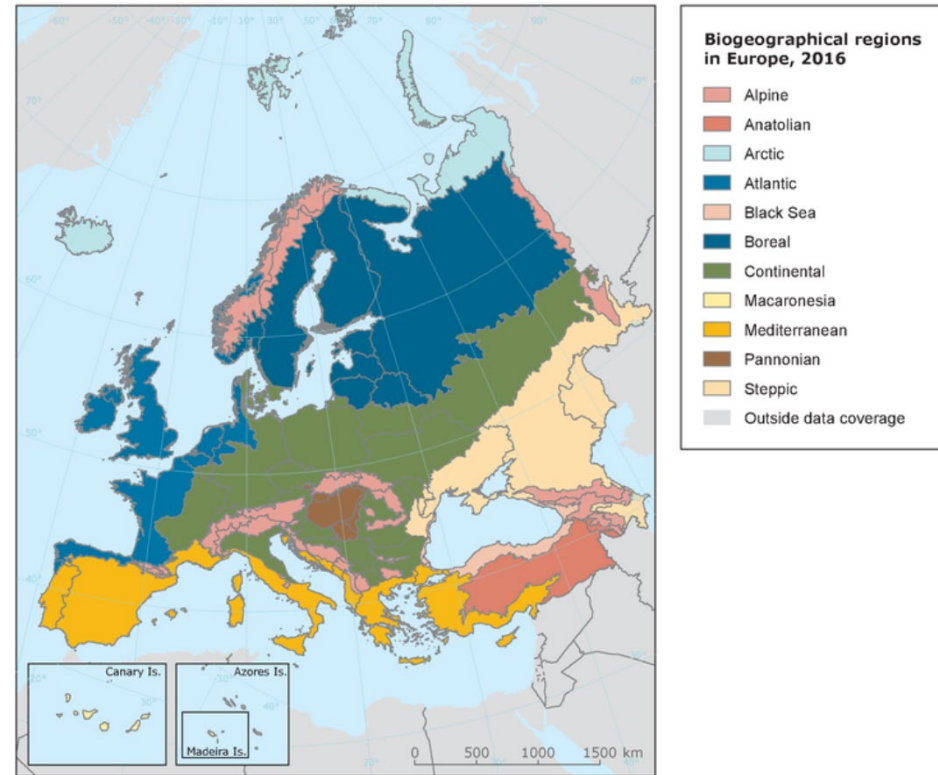


Annex 1 habitats and geographical distribution

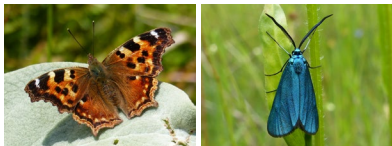


Distribution

This habitat occurs in **13** EU members states



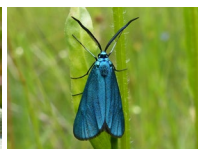
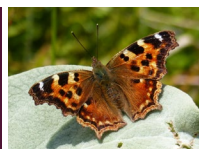
For each Annex 1 habitat: ID
typical species separately for
each biogeographical region



Habitat and biogeographical region matrix

ANNEX 1 HABITATS		BIOGEOGRAPHICAL REGIONS							
		ALP	ATL	BLS	BOR	CON	MED	PAN	STE
6110	Rupicolous calcareous or basophilic grasslands of the Alysso-Sedion albi	439	134	17	55	1294	925	47	
6120	Xeric sand calcareous grasslands		158	1	95	3324	28	10	1
6130	Calaminarian grasslands of the Violetalia calaminariae	29	109			82	43		
6140	Siliceous Pyrenean Festuca eskia grasslands	98							
6150	Siliceous alpine and boreal grasslands	1224	215		50	32			
6160	Oro-Iberian Festuca indigesta grasslands		93				220		
6170	Alpine and subalpine calcareous grasslands	1353	214			73	744		
6190	Rupicolous pannonic grasslands (Stipo-Festucetalia pallentis)	102				162		183	
6210	Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* impo	1405	1763	53	893	4527	1487	461	
6220	Pseudo-steppe with grasses and annuals of the Thero-Brachypodietea	44	298	43		358	5586		
6230	Species-rich Nardus grasslands, on silicious substrates in mountain areas (and submountain areas in Co	1400	1271		860	2277	548	13	
6240	Sub-Pannonic steppic grasslands	126	12	2		498		302	
6250	Pannonic loess steppic grasslands					215		567	
6260	Pannonic sand steppes					13	2	371	
6270	Fennoscandian lowland species-rich dry to mesic grasslands	69			3562	188			
6280	Nordic alvar and precambrian calcareous flatrocks				252	11			
62A0	Eastern sub-mediterranean dry grasslands (Scorzoneratalia villosae)	168		15		230	563		
62B0	Serpentinophilous grassland of Cyprus						9		
62C0	Ponto-Sarmatic steppes			21		52			29
62D0	Oro-Moesian acidophilous grasslands	93				26	5		
6310	Dehesas with evergreen Quercus spp						2173		
6410	Molinia meadows on calcareous, peaty or clayey-silt-laden soils (Molinion caeruleae)	857	1958	3	1913	3782	962	412	2
TOTAL NUMBER OF ASSESSMENTS		118	110	52	81	155	148	56	25

Total: 745 – but 106 are freshwater and rocky habitats



What is a typical species?

WILD BEES

SYRPHIDS

MOTHS AND BUTTERFLIES

Criterion A: Species which occur regularly at a high constancy

SubA1 Species and habitat distribution should overlap at least within a biogeographical region

AND

SubA2 Species should have a strong functional link with a plant species that regularly occur in the habitat

OR

SubA3 Species nest in the habitat

OR

Sub A4 During larval stage, species use microhabitats occurring in the habitat

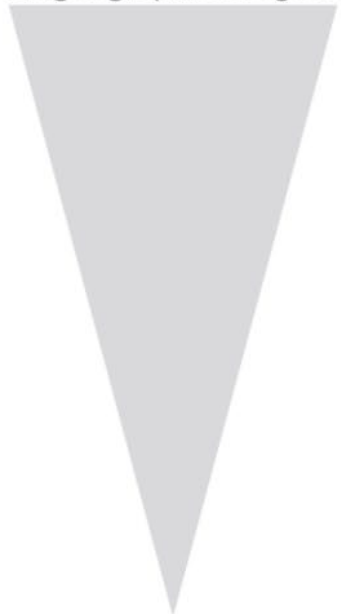
AND

Criterion B: Species which are good indicators of favourable habitat quality and/or a wider group of other species with specific habitat requirements

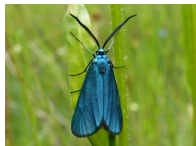
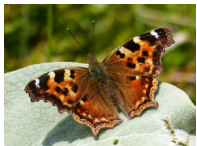
(AND)

Criterion C. Species which can be monitored relatively easily by non-destructive and/or inexpensive means should be favoured

Species pool in the
biogeographical region

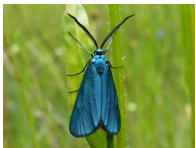
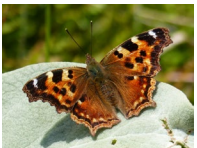
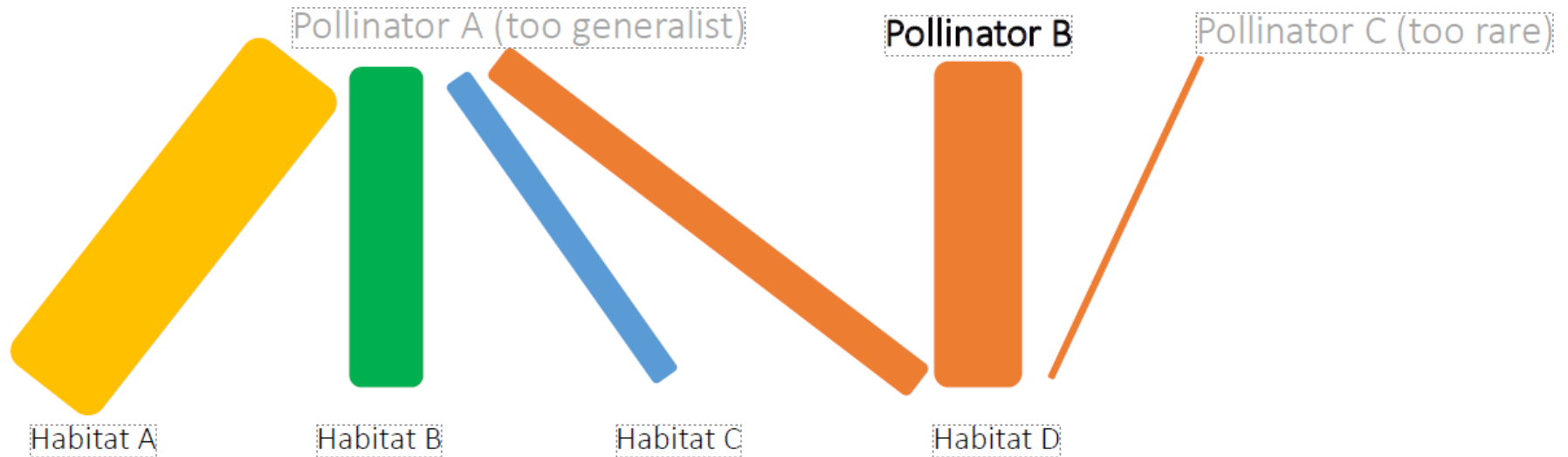


At least 10 typical species



Criterion A: distribution overlap

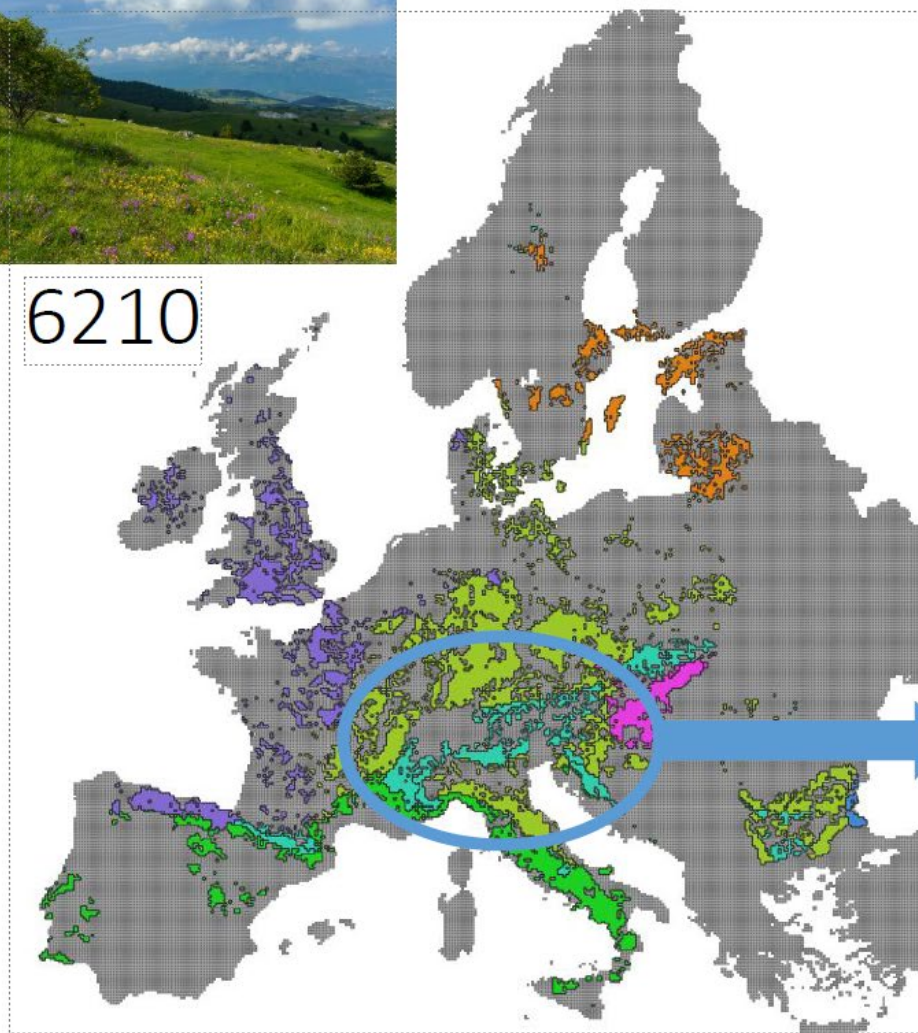
Species which occur regularly at a high constancy (i.e. are 'characteristic') in a habitat type or at least in a major subtype or variant of a habitat type



Criterion A Sub A1: distribution overlap



6210



50%

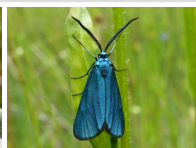
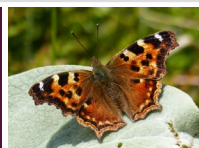
Andrena_alutacea
Andrena_combinata
Andrena_congruens
Andrena_curvungula
Andrena_humilis
Andrena_polita
Andrena_russula
Andrena_saxonica
Anthidium_oblongatum
Bombus_argillaceus
Bombus_barbutellus
Bombus_humilis
Bombus_mesomelas
Bombus_mucidus
Bombus_ruderarius
Bombus_soroensis
Bombus_wurflenii
Ceratina_chalybea
Chelostoma_distinctum
Chelostoma_foveolatum
Dufourea_minuta
Halictus_maculatus
Halictus_sexinctus
Hoplitis_adunca
Hoplitis_dalmatica
Hoplitis_mitis
Hoplitis_villosa
Lasioglossum_aeratum
Megachile_ligniseica
Megachile_pyrenaica
Nomada_armata
Nomada_braunsiana
Nomada_errans
Nomada_facilis

75%

Bombus_barbutellus
Bombus_humilis
Bombus_ruderarius
Bombus_wurflenii
Nomada_braunsiana

90%

Bombus_humilis





12:20 31/JUL/2016

Criterion A Sub A2, A3 and A4

Sub A2: Functional link with plants



Butterfly/moth host plants

Oligolectic bees

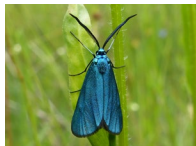
Syrphid larvae associated with plant roots, ...



Sub A3: Nesting



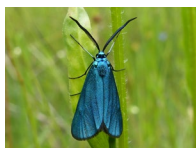
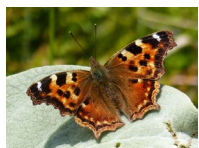
Sub A4: Microhabitats (e.g. deadwood, cavities, soil organic matter)



Criterion Sub A2: functional link with plants

Species	Level	Host Plant
Aglais_io	Species	Humulus lupulus
Aglais_io	Species	Urtica dioica
Aglais_urticae	Species	Urtica dioica
Agriades_aquilo	Species	Empetrum nigrum
Agriades_aquilo	Species	Saxifraga aizoides
Agriades_aquilo	Species	Saxifraga oppositifolia
Agriades_dardanus	Species	Androsace kosopoljanskii
Agriades_dardanus	Species	Androsace villosa
Agriades_glandon	Species	Androsace obtusifolia
Agriades_glandon	Species	Androsace chamaejasme
Agriades_glandon	Species	Vitaliana primuliflora

Butterfly larval hostplant spreadsheet
(source: European Red List)



Criterion Sub A2: functional link with plants

Region	Habitat ID	Group	Phylum	Order	Family	Genus	Species
ATL	6210	Animals	Arthropoda	Lepidoptera	Hesperiidae	Erynnis	Erynnis tages
ATL	6210	Animals	Arthropoda	Lepidoptera	Hesperiidae	Pyrgus	Pyrgus cirsii
ATL	6210	Animals	Arthropoda	Lepidoptera	Hesperiidae	Thymelicus	Thymelicus sylvestris
ATL	6210	Animals	Arthropoda	Lepidoptera	Lycaenidae	Cupido	Cupido minimus
ATL	6210	Animals	Arthropoda	Lepidoptera	Lycaenidae	Polyommatus	Polyommatus dorylas
ATL	6210	Animals	Arthropoda	Lepidoptera	Nymphalidae	Chazara	Chazara briseis
ATL	6210	Fungi	Ascomycota	Lecanorales	Cladoniaceae	Cladonia	Cladonia furcata
ATL	6210	Fungi	Ascomycota	Lecanorales	Cladoniaceae	Cladonia	Cladonia rangiformis
ATL	6210	Fungi	Ascomycota	Lecanorales	Psoraceae	Psora	Psora decipiens
ATL	6210	Fungi	Ascomycota	Peltigerales	Peltigeraceae	Peltigera	Peltigera rufescens
ATL	6210	Animals	Chordata	Passeriformes	Emberizidae	Emberiza	Emberiza citrinella
ATL	6210	Animals	Chordata	Passeriformes	Motacillidae	Anthus	Anthus trivialis
ATL	6210	Plants	Streptophyta	Apiales	Apiaceae	Bunium	Bunium bulbocastanum
ATL	6210	Plants	Streptophyta	Apiales	Apiaceae	Bupleurum	Bupleurum falcatum
ATL	6210	Plants	Streptophyta	Apiales	Apiaceae	Bupleurum	Bupleurum longifolium
ATL	6210	Plants	Streptophyta	Apiales	Apiaceae	Daucus	Daucus carota
ATL	6210	Plants	Streptophyta	Apiales	Apiaceae	Eryngium	Eryngium bourgatii
ATL	6210	Plants	Streptophyta	Apiales	Apiaceae	Eryngium	Eryngium campestre
ATL	6210	Plants	Streptophyta	Apiales	Apiaceae	Laser	Laser trilobum
ATL	6210	Plants	Streptophyta	Apiales	Apiaceae	Laserpitium	Laserpitium latifolium
ATL	6210	Plants	Streptophyta	Apiales	Apiaceae	Libanotis	Libanotis pyrenaica
ATL	6210	Plants	Streptophyta	Apiales	Apiaceae	Peucedanum	Peucedanum cervaria
ATL	6210	Plants	Streptophyta	Apiales	Apiaceae	Peucedanum	Peucedanum officinale
ATL	6210	Plants	Streptophyta	Apiales	Apiaceae	Peucedanum	Peucedanum oreoselinum

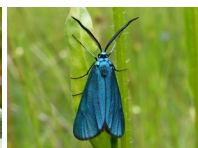
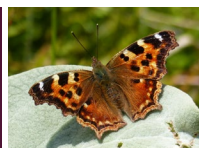
Annex 1 habitat typical plant species: includes some animals



Criterion Sub A2: functional link with plants

Region	Habitat ID	Group	Phylum	Order	Family	Genus	Species
ALP	4060	Animals	Arthropoda	Lepidoptera	Nymphalidae	Boloria	Boloria chariclea
ALP	4060	Animals	Arthropoda	Lepidoptera	Nymphalidae	Boloria	Boloria napaea
ALP	4060	Animals	Arthropoda	Lepidoptera	Nymphalidae	Euphydryas	Euphydryas iduna
ALP	6150	Animals	Arthropoda	Lepidoptera	Nymphalidae	Boloria	Boloria chariclea
ALP	6150	Animals	Arthropoda	Lepidoptera	Nymphalidae	Boloria	Boloria napaea
ALP	6150	Animals	Arthropoda	Lepidoptera	Nymphalidae	Erebia	Erebia pandrose
ALP	6150	Animals	Arthropoda	Lepidoptera	Nymphalidae	Euphydryas	Euphydryas iduna
ALP	6150	Animals	Arthropoda	Lepidoptera	Nymphalidae	Oeneis	Oeneis bore
ALP	6150	Animals	Arthropoda	Lepidoptera	Nymphalidae	Oeneis	Oeneis norna
ALP	6170	Animals	Arthropoda	Lepidoptera	Lycaenidae	Albulina	Albulina orbitulus
ALP	6170	Animals	Arthropoda	Lepidoptera	Nymphalidae	Boloria	Boloria chariclea
ALP	6170	Animals	Arthropoda	Lepidoptera	Nymphalidae	Boloria	Boloria napaea
ALP	6170	Animals	Arthropoda	Lepidoptera	Nymphalidae	Euphydryas	Euphydryas iduna
ALP	6170	Animals	Arthropoda	Lepidoptera	Pieridae	Colias	Colias hecla
ALP	6170	Animals	Arthropoda	Lepidoptera	Pieridae	Colias	Colias werdandi
ALP	6190	Animals	Arthropoda	Lepidoptera	Papilionidae	Parnassius	Parnassius apollo
ALP	6210	Animals	Arthropoda	Lepidoptera	Lycaenidae	Aricia	Aricia artaxerxes
ALP	6230	Animals	Arthropoda	Lepidoptera	Nymphalidae	Boloria	Boloria euphrosyne
ALP	6230	Animals	Arthropoda	Lepidoptera	Nymphalidae	Boloria	Boloria selene
ALP	7310	Animals	Arthropoda	Lepidoptera	Hesperiidae	Pyrgus	Pyrgus centaureae
ALP	7310	Animals	Arthropoda	Lepidoptera	Nymphalidae	Boloria	Boloria aquilonaris
ALP	7310	Animals	Arthropoda	Lepidoptera	Nymphalidae	Boloria	Boloria freija
ALP	7310	Animals	Arthropoda	Lepidoptera	Nymphalidae	Clossiana	Clossiana frigga
ALP	7310	Animals	Arthropoda	Lepidoptera	Nymphalidae	Proclissiana	Proclissiana eunomia

Annex 1
habitat typical
butterfly
species
extracted



Criterion Sub A4: use of microhabitats

Larval host plants: Specific plant species for egg-laying and larval food: some species select larval hostplants with specific growth forms (e.g. flowering, in proximity to bare ground)

Ant nests: Hosts for myrmecophilous species - obligate for *Phengaris* spp. and facultative for other Lycaenids

Flowering plants: Provide nectar as a primary food source for adults

Structural variation: Different vegetation heights provide different microclimates and egg-laying sites: especially important in grassland habitats

Bare ground patches: Used for thermoregulation (basking), male territorial behaviour and hostplant selection

Open sunny spots: Important for thermoregulation and feeding

Microtopography: Refuges under extreme weather conditions (e.g. flooding, drought):

Aspect variation: Different aspects can provide suitable habitat under extreme weather conditions: in drought conditions north-facing slopes can support larval hostplants more likely to be in a suitable condition

Leaf litter and other decaying vegetation: Habitat for overwintering stages

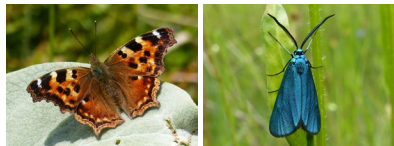
Decaying organic matter: Some species are attracted to fermenting fruits or carrion.

Tall grasses and shrubs: Offers shelter from predators/harsh weather and overwintering sites.

Understorey vegetation: Larval host plants and adult nectar sources

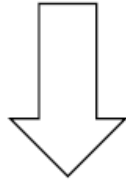
Canopy gaps and edges: Larval host plants and adult nectar sources in sunny situations

Tree trunk sap flows and aphids: some adult butterflies feed on tree sap or honeydew



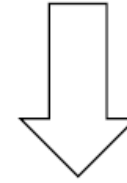
Criterion Sub B1 and Sub B2

Sub B1 Indicator of habitat quality AND/OR Sub B2 indicator of wider group of species

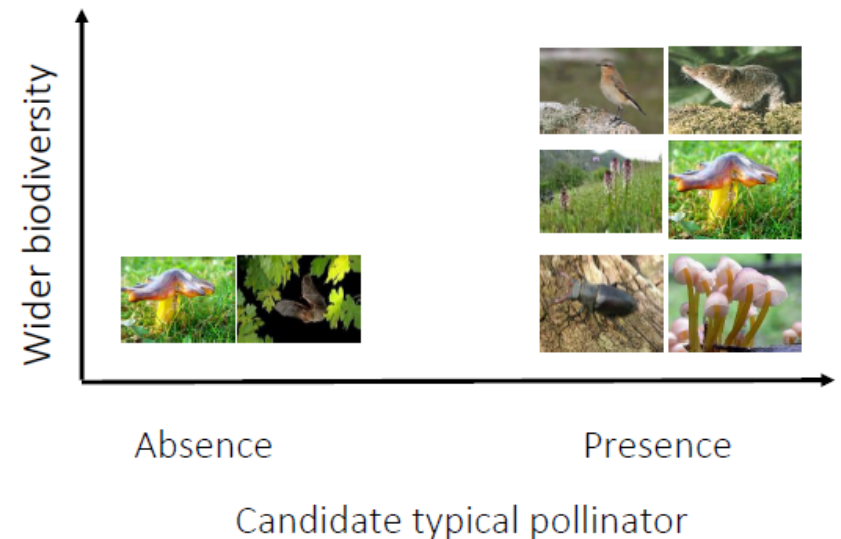


Sensitivity to the major pressures

Candidate	Pressure A	Pressure B	Pressure C
Species A	→	→	→
Species B	↘	↘	↘
Species C	?	?	?
Species D	↘	↘	?
Species E	?	?	?



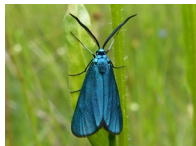
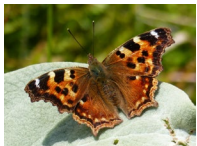
Correlation with other sensitive species














Criterion C: ease of monitoring

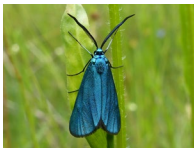
Criterion C: Species that could be easily monitored SHOULD be preferred

Potential biases towards
more conspicuous species

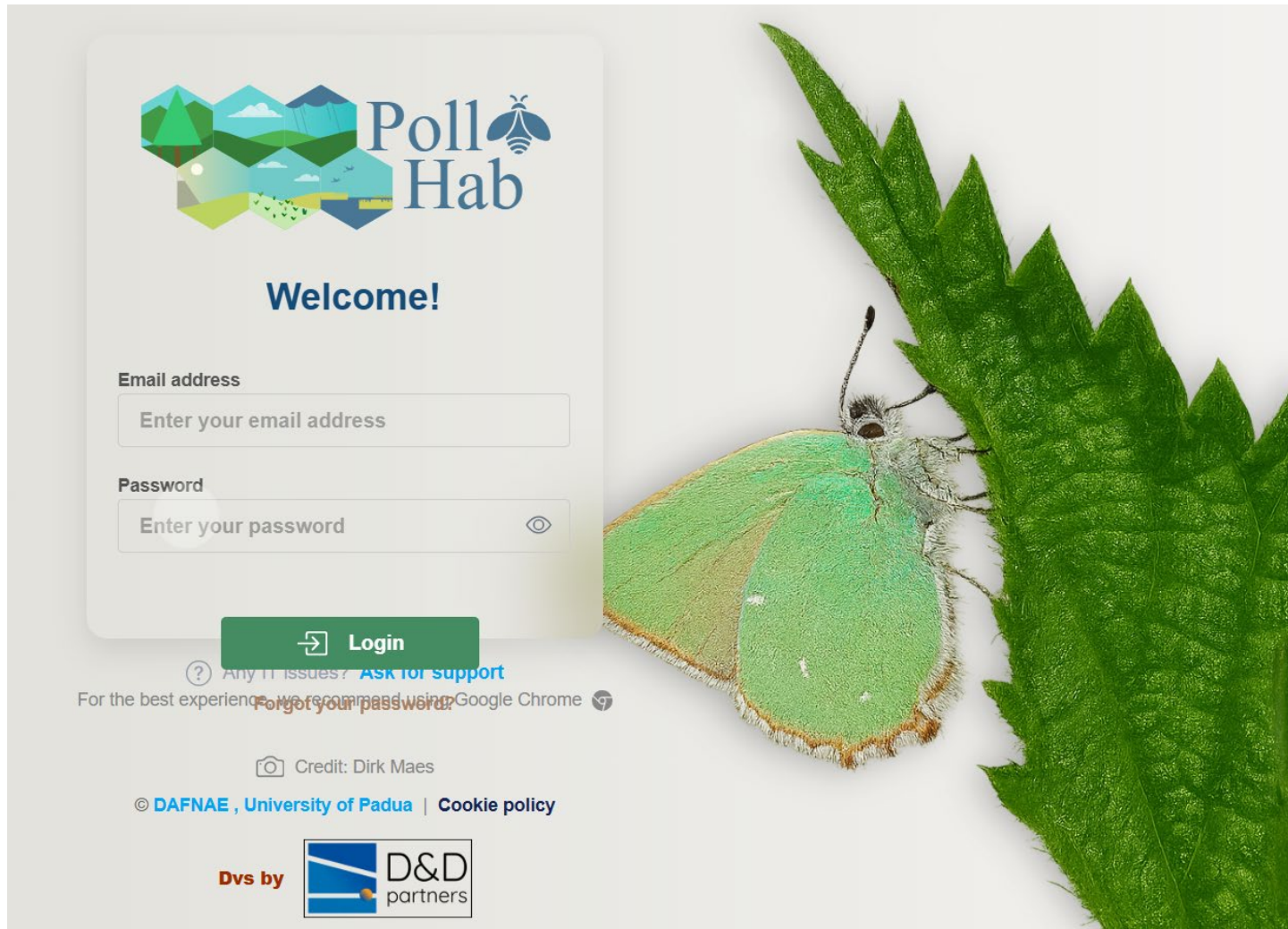



Uncertainty measures

Habitat 6210		Typical	Sub A1	Sub A2	Sub A3	Sub A4	Sub B1	Sub B2	C
Listing			77%						
			81%						



Poll Hab web tool: <https://application.pollhab.eu/login>





 **Poll Hab**


Welcome!


Email address

Password


 

 **Login**


 Any IT issues? [Ask for support](#)

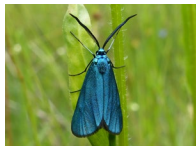
For the best experience, we recommend using Google Chrome 

[Forgot your password?](#)

 Credit: Dirk Maes

© [DAFNAE](#) , [University of Padua](#) | [Cookie policy](#)

Dvs by  **D&D**
partners



Poll Hab web tool: <https://application.pollhab.eu/login>






Submit OTP Here!

Enter the 6-digit code received via email:

Verify OTP

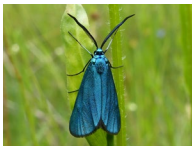
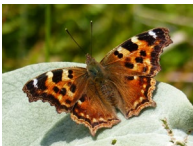
 Any IT issues? [Ask for support](#)
~~Forgot your code?~~ **RESEND**

For the best experience, we recommend using Google Chrome 

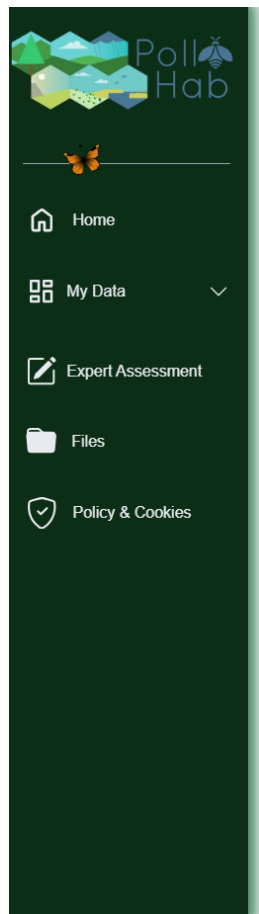
 Credit: Dirk Maes

© [DAFNAE](#) , [University of Padua](#) | [Cookie policy](#)

Dvs by 



Poll Hab web tool: experts




Incoming News

Publish Date: 24/06/2025 | **Publisher:** lorenzo.marini@unipd.it
EXPERT ASSESSMENT IS OPEN!

← Page 1 of 1 →

© Copyright - DAFNAE , University of Padua



 Account

 Dashboard

 Experts

 Habitat Code

Search experts by name/surname

Taxon

BUTTERFLIES

Completed Assessments

143

Draft Assessments

0

Completed Assessments

Draft Assessments



ATL 1210 Sam Ellis
02/07/2025



ATL 2110 Sam Ellis
01/07/2025



ATL 2120 Sam Ellis
01/07/2025

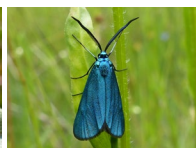
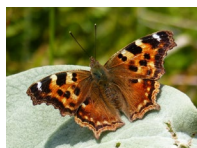


ATL 1220 Sam Ellis
02/07/2025

ATL 2440 Sam Ellis



Dvs by



Poll Hab web tool: dashboard

 **Dashboard**  **Experts**  **Habitat Code**

Select Taxon

BEES

MOTHS

BUTTERFLIES



HOVERFLIES

Currently selected: **Butterflies**

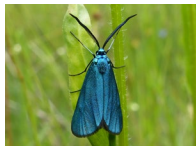
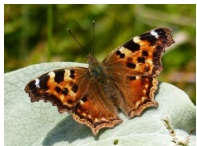
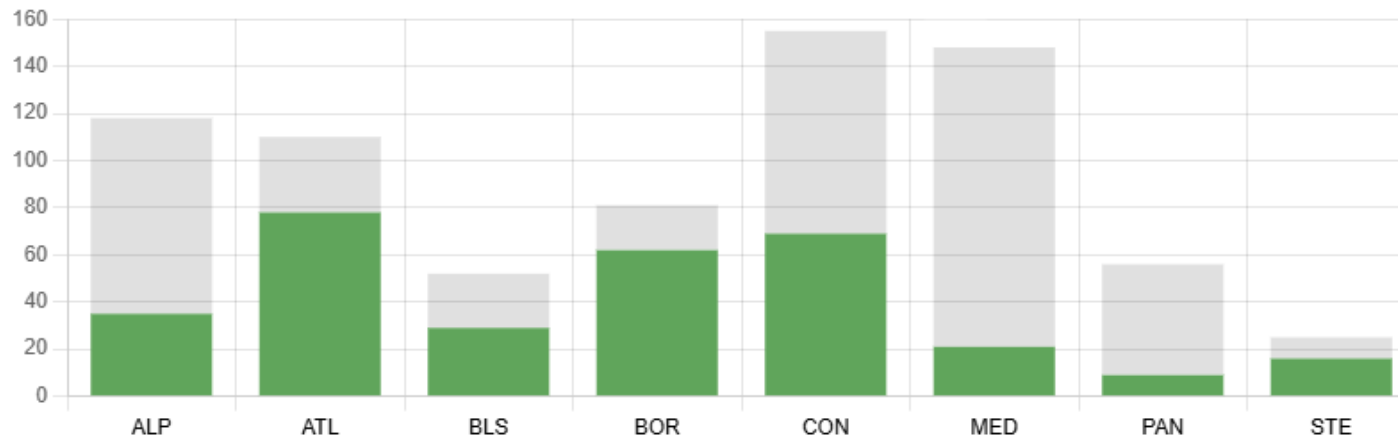
Total no. of
assessments:

319 (30.11.25)

43% (target
40%)

More than
one
assessment
for some

Biogeographical Regions

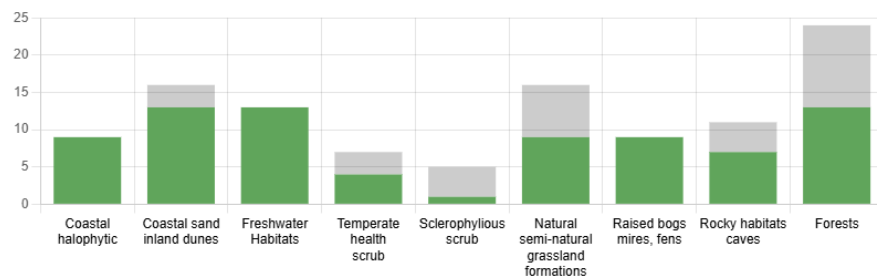


Poll Hab web tool: dashboard

Select a biogeographical region

ATL

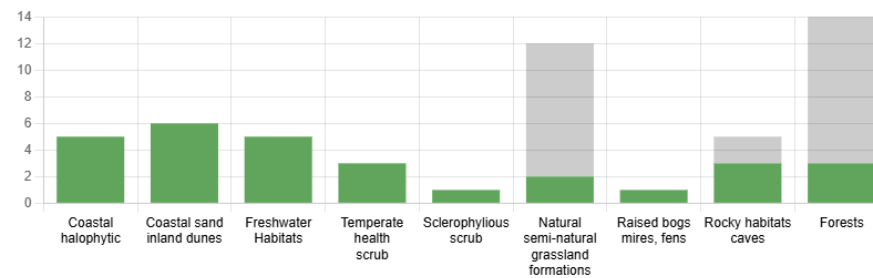
ATL charts



Select a biogeographical region

BLS

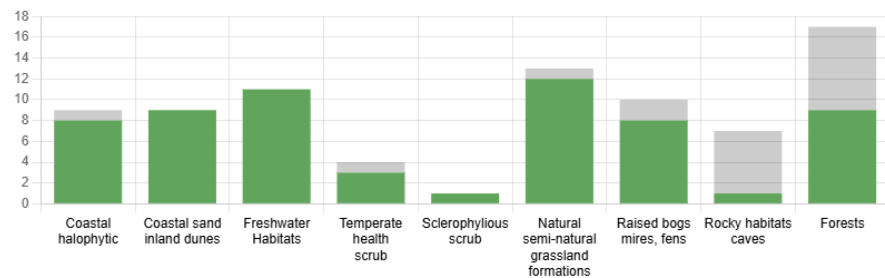
BLS charts



Select a biogeographical region

BOR

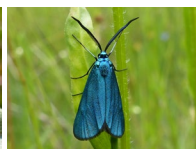
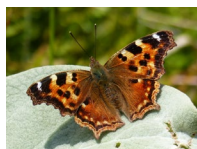
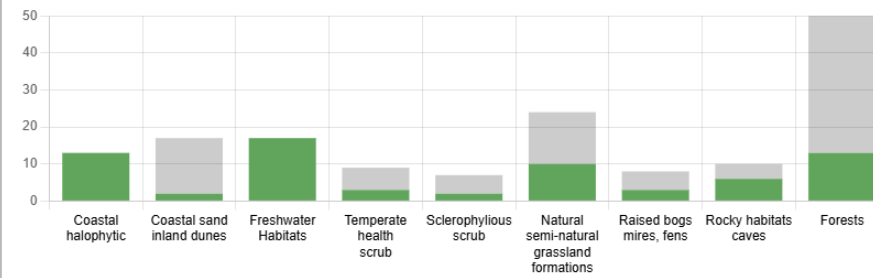
BOR charts



Select a biogeographical region

CON

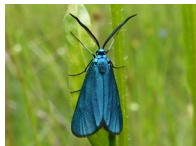
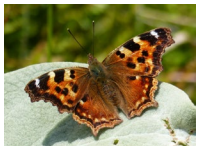
CON charts



Poll Hab web tool: habitat codes

 Dashboard	 Experts	 Habitat Code						
Habitat \ Bioregion	ATL	BLS	BOR	CON	MED	STE	ALP	
1210	✓	✓	✓	✓				
1220	✓		✓	✓				
1230	✓			✓				
1240		✓		✓				
1310	✓	✓	✓	✓				
1320	✓			✓				
1330	✓		✓	✓				
1340	✓			✓				
1410	✓	✓		✓				
1420	✓			✓				

Check which assessments have been completed



Poll Hab web tool: habitat codes

Habitat \ Bioregion	ATL	BLS	BOR	CON	MED	STE	ALP	
3120	✓				✓			
3130	✓	✓	✓	✓	✓	✓	✓	
3140	✓	✓	✓	✓	✓	✓	✓	
3150	✓	✓	✓	✓	✓	✓	✓	
3160	✓		✓	✓	✓	✓	✓	
3170	✓			✓	✓		✓	
3180	✓		✓	✓	✓		✓	
3190	✓		✓	✓			✓	
31A0								
3210			✓	✓			✓	
3220	✓		✓	✓	✓		✓	


Assessments for some likely 'No Typical Species' completed across all biogeographic regions:

Freshwater standing
Freshwater: running water (some)
Rocky habitats & caves: other rocky habitats



Start a new assessment



Ready to begin? 



Repository

Explore past submissions.



COMPLETED ASSESSMENTS



ATL 91E0

05/11/2025, 10:11

completed

ATL 91J0 Sam Ellis

05/11/2025, 09:41

completed

ATL 91D0 Sam Ellis

05/11/2025, 09:38

completed



DRAFT ASSESSMENTS



No assessments to be completed

Total : 144  Completed: 143

© Copyright - DAFNAE, University of Padua

Expert Assessment

ATL 6210 Sam Ellis



Start your new assessment



Info

On the left, you will find a list of completed assessments and those still in draft. You can also filter the assessments by biogeographical region and habitat code.



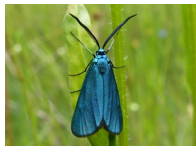
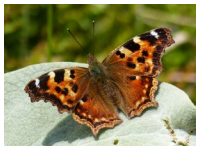
Tutorial

How to make an assessment


Start Learning →




Dvs by 



Find the data for that region/habitat combination

 **Repository**
Explore past submissions.

 **COMPLETED ASSESSMENTS**

ATL 91E0
05/11/2025, 10:11


completed

ATL 91J0 Sam Ellis
05/11/2025, 09:41

completed

ATL 91D0 Sam Ellis
05/11/2025, 09:38


completed

 **DRAFT ASSESSMENTS**

ATL 6210 Sam E
22/11/2025, 11:05

in-progress

Assessment: ATL 6210 Sam E

 Rename

 Save draft

 Download

 Assessment's note

Follow the criteria below to complete your assessment

1

Subcriterion A1

Distribution overlap

2

Subcriteria A2 A3 A4

Functional link with
habitat

3

Criterion B

Indicator of habitat quality
and biodiversity

Pollinator data

-  Select filters to begin working with your assessment:

Biogeographical region

ATL

Habitat ID

6210

Taxon

butterflies

Overlap Threshold

≥

50

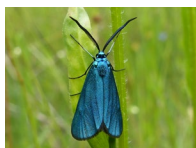
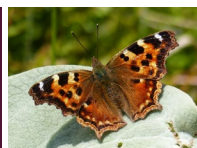


BIO. REGION	ID HAB.	TAXON	SPECIES	OVERLAP		
ATL	6210	butterflies	Aglais_io	99		<input type="checkbox"/>
ATL	6210	butterflies	Aglais_urticae	81		<input type="checkbox"/>
ATL	6210	butterflies	Anthocharis_cardamines	98		<input type="checkbox"/>
ATL	6210	butterflies	Apatura_iris	52		<input type="checkbox"/>
ATL	6210	butterflies	Aphantopus_hyperantus	76		<input type="checkbox"/>
ATL	6210	butterflies	Argynnis_paphia	85		<input type="checkbox"/>
ATL	6210	butterflies	Aricia_agestis	79		<input type="checkbox"/>
ATL	6210	butterflies	Azanus_ubaldus	N/A		<input type="checkbox"/>
ATL	6210	butterflies	Callophrys_rubi	81		<input type="checkbox"/>
ATL	6210	butterflies	Carcharodus_stauderi	N/A		<input type="checkbox"/>
ATL	6210	butterflies	Celastrina_argiolus	94		<input type="checkbox"/>
ATL	6210	butterflies	Coenonympha_pamphilus	100		<input type="checkbox"/>

« Backward

Species selected after A1: 47

 No typical species



Select candidate typical species



Repository

Explore past submissions.



COMPLETED ASSESSMENTS

ATL 91E0

05/11/2025, 10:11

completed

ATL 91J0 Sam Ellis

05/11/2025, 09:41

completed

ATL 91D0 Sam Ellis

05/11/2025, 09:38

completed



DRAFT ASSESSMENTS

ATL 6210 Sam E

22/11/2025, 11:05

in-progress

Assessment: ATL 6210 Sam E

Rename

Save draft

Download

Assessment's note

Ready to begin? 

Follow the criteria below to complete your assessment

1

Subcriterion A1

Distribution overlap

2

Subcriteria A2 A3 A4

Functional link with
habitat

3

Criterion B

Indicator of habitat quality
and biodiversity

4

Criterion C

Ease of monitoring

Pollinator data

- Select filters to begin working with your assessment:

Biogeographical region

ATL

Habitat ID

6210

Taxon

butterflies

Overlap Threshold

≥ 50

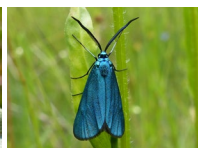
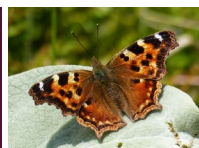


BIO. REGION	ID HAB.	TAXON	SPECIES	OVERLAP		
ATL	6210	butterflies	Colias_crocea	80		<input type="checkbox"/>
ATL	6210	butterflies	Cupido_minimus	72		<input checked="" type="checkbox"/>
ATL	6210	butterflies	Erynnis_tages	86		<input checked="" type="checkbox"/>
ATL	6210	butterflies	Euphydryas_aurinia	53		<input type="checkbox"/>
ATL	6210	butterflies	Favonius_quercus	84		<input type="checkbox"/>
ATL	6210	butterflies	Gonepteryx_rhamni	89		<input type="checkbox"/>
ATL	6210	butterflies	Hipparchia_semele	57		<input type="checkbox"/>
ATL	6210	butterflies	Kretania_eurypilus	N/A		<input type="checkbox"/>
ATL	6210	butterflies	Lasiommata_megera	92		<input type="checkbox"/>
ATL	6210	butterflies	Limenitis_camilla	77		<input type="checkbox"/>
ATL	6210	butterflies	Luthrodes_galba	N/A		<input type="checkbox"/>
ATL	6210	butterflies	Lycaena_phlaeas	97		<input type="checkbox"/>


« Backward


Species selected after A1: 47

Forward »



Functional link with habitat

 **Repository**
Explore past submissions.

 **COMPLETED ASSESSMENTS**

ATL 91E0
05/11/2025, 10:11


completed

ATL 91J0 Sam Ellis
05/11/2025, 09:41

completed

ATL 91D0 Sam Ellis
05/11/2025, 09:38


completed


 **DRAFT ASSESSMENTS**


ATL 6210 Sam E
22/11/2025, 11:05


in-progress


Assessment: ATL 6210 Sam E


 Rename

 Save draft


 Download

 Assessment's note


Ready to begin? 

 1


Subcriterion A1
Distribution overlap

 2

Subcriteria A2 A3 A4
Functional link with habitat

 3

Criterion B
Indicator of habitat quality and biodiversity

 4

Criterion C
Ease of monitoring

Functional link with habitat

ID HAB.	SPECIES
6210	Cupido_minimus
6210	Erynnis_tages


SUB A2 PLANTS	A2 UNCERTAINTY	SUB A3 NEST	A3 UNCERTAINTY	SUB A4 MICRO HABITATS
1	Low	0		1
1	Low	0		1

Select a species that develops on a hostplant occurring in the habitat


Low: strong and consistent evidence

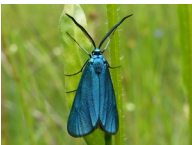
Medium: moderate evidence

High: limited, conflicting or inconclusive evidence


 Backward


Species selected after A1: 47

Forward 



Functional link with habitat

**Repository**
Explore past submissions.

 **COMPLETED ASSESSMENTS**

ATL 91E0
05/11/2025, 10:11


completed

ATL 91J0 Sam Ellis
05/11/2025, 09:41

completed

ATL 91D0 Sam Ellis
05/11/2025, 09:38


completed


 **DRAFT ASSESSMENTS**


ATL 6210 Sam E
22/11/2025, 11:05


in-progress


Assessment: ATL 6210 Sam E

 Rename

 Save draft

 Download

 Assessment's note

Ready to begin? 

Follow the criteria below to complete your assessment

1

2

3

4






Subcriterion A1
Distribution overlap

Subcriteria A2 A3 A4
Functional link with habitat

Criterion B
Indicator of habitat quality and biodiversity

Criterion C
Ease of monitoring

Functional link with habitat

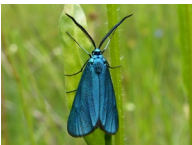
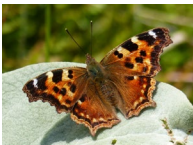
ID HAB.	SPECIES	UNCERTAINTY 	SUB A3 NEST 	A3 UNCERTAINTY 	SUB A4 MICRO HABITATS 	A4 UNCERTAINTY 
6210	Cupido_minimus	Low	0		1	Low
6210	Erynnis_tages	Low	0		1	Low

Select whether the species uses microhabitats occurring in the habitat


<<< Backward

Species selected after A1: 47

Forward >>>



Indicator of habitat quality and biodiversity

**Repository**
Explore past submissions.

COMPLETED ASSESSMENTS

ATL 91E0
05/11/2025, 10:11

completed

ATL 91J0 Sam Ellis
05/11/2025, 09:41

completed

ATL 91D0 Sam Ellis
05/11/2025, 09:38


completed


DRAFT ASSESSMENTS


ATL 6210 Sam E
22/11/2025, 11:05


in-progress


Assessment: ATL 6210 Sam E

 Rename

 Save draft

 Download

 Assessment's note

Ready to begin? 

Follow the criteria below to complete your assessment

1

Subcriterion A1
Distribution overlap

2

Subcriteria A2 A3 A4
Functional link with habitat



3

Criterion B
Indicator of habitat quality and biodiversity

4

Criterion C
Ease of monitoring

Indicator of habitat quality and biodiversity

ID HAB.	SPECIES		HABITAT QUALITY	UNCERTAINTY	WIDER BIODIVERSITY	UNCERTAINTY
6210	Cupido_minimus		4	Low	Unknown	
6210	Erynnis_tages		4	Low	Unknown	

1. Species also occurs in highly degraded areas

2. Species is somewhat tolerant of alteration in habitat quality

3. Species is moderately responsive to quality changes

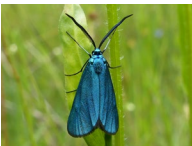
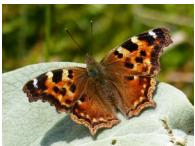
4. Species is uncommon in degraded areas

5. Species is restricted only to optimal conditions


« Backward



Species selected after A1: 47

Forward »



Indicator of habitat quality and biodiversity

**Repository**
Explore past submissions.

 **COMPLETED ASSESSMENTS** 

ATL 91E0
05/11/2025, 10:11



completed

ATL 91J0 Sam Ellis
05/11/2025, 09:41

completed

ATL 91D0 Sam Ellis
05/11/2025, 09:38

completed

 **DRAFT ASSESSMENTS** 

ATL 6210 Sam E
22/11/2025, 11:05

in-progress


Assessment: ATL 6210 Sam E

 Rename

 Save draft

 Download



 Assessment's note

Ready to begin? 

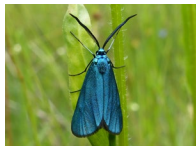
Follow the criteria below to complete your assessment



Indicator of habitat quality and biodiversity

ID HAB.	SPECIES		HABITAT QUALITY	UNCERTAINTY	WIDER BIODIVERSITY	UNCERTAINTY
6210	Cupido_minimus		4	Low	Unknown	
6210	Erynnis_tages		4	Low	Unknown	

1. Shows little or no consistent association with the occurrence of non-pollinator species of conservation concern
2. Weak association with other non-pollinator species of conservation concern
3. Sometimes associated with a subset of non-pollinator species of conservation concern
4. Frequently co-occurs with several non-pollinator species of conservation concern
5. Strong, consistent association with many non-pollinator species of conservation concern



Ease of monitoring

Repository
Explore past submissions.

COMPLETED ASSESSMENTS

- ATL 91E0
05/11/2025, 10:11 **completed**
- ATL 91J0 Sam Ellis
05/11/2025, 09:41 **completed**
- ATL 91D0 Sam Ellis
05/11/2025, 09:38 **completed**

DRAFT ASSESSMENTS

- ATL 6210 Sam E
22/11/2025, 11:05 **in-progress**

Assessment: ATL 6210 Sam E

Rename

Save draft

Download

Assessment's note

Ready to begin?

Follow the criteria below to complete your assessment



Subcriterion A1

Distribution overlap



Subcriteria A2 A3 A4

Functional link with
habitat



Criterion B

Indicator of habitat quality
and biodiversity



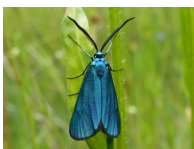
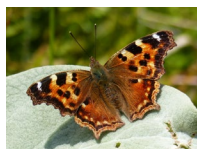
Criterion C

Ease of monitoring


Ease of monitoring


ID HAB.	SPECIES	UNCERTAINTY	WIDER BIODIVERSITY	UNCERTAINTY	EASE OF MONITORING
6210	Cupido_minimus	Low	Unknown		Easy to identify
6210	Erynnis_tages	Low	Unknown		Very easy to identify

1. Very easy to identify: distinctive features, easily recognizable in the field. No confusion with similar species
2. Easy to identify: mostly clear features, minor potential for confusion with similar species.
3. Moderately difficult to identify: some expertise required. May need close inspection or field guides
4. Difficult to identify: often requires microscopic features or consultation with a specialist
5. Very difficult to identify: indistinguishable without dissection, DNA or expert-level taxonomic skills



Submit or save draft assessment

 **Repository**
Explore past submissions.

 **COMPLETED ASSESSMENTS**

ATL 91E0
05/11/2025, 10:11


completed

ATL 91J0 Sam Ellis
05/11/2025, 09:41

completed

ATL 91D0 Sam Ellis
05/11/2025, 09:38


completed


 **DRAFT ASSESSMENTS**


ATL 6210 Sam E
22/11/2025, 11:05


in-progress


Assessment: ATL 6210 Sam E


 Rename


 Save draft


 Download


 Assessment's note

Ready to begin? 

 **Subcriterion A1**
Distribution overlap


 **Subcriteria A2 A3 A4**
Functional link with habitat

 **Criterion B**
Indicator of habitat quality and biodiversity


 **Criterion C**
Ease of monitoring

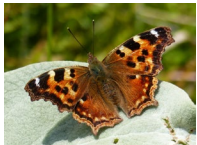
Ease of monitoring

ID HAB.	SPECIES	UNCERTAINTY	WIDER BIODIVERSITY	UNCERTAINTY	EASE OF MONITORING
6210	Cupido_minimus	Low	Unknown		Easy to identify
6210	Erynnis_tages	Low	Unknown		Very easy to identify

 Backward

Species selected after A1: 47

 Submit



Workshop groups

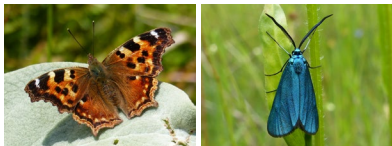
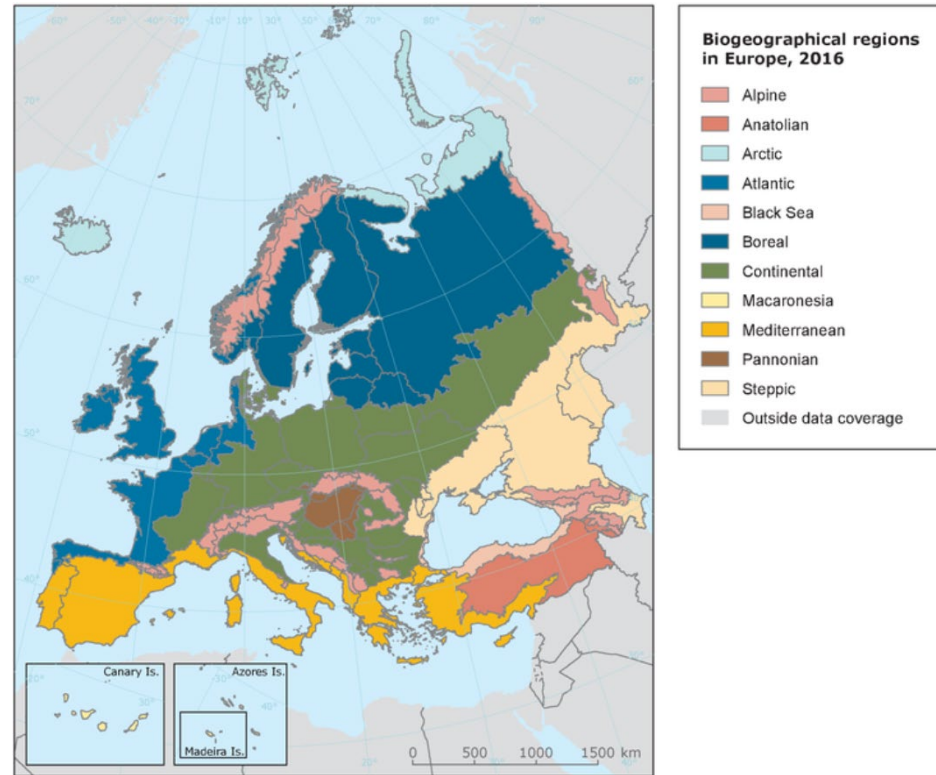
1. Alpine (Alps, Balkans)
2. Atlantic
3. Black Sea/Pannonian/Steppic/
Alpine (Carpathians)
4. Boreal and Alpine (Scandinavian)
5. Continental
6. Mediterranean (western)
7. Mediterranean (central and eastern)

Still to do:

Atlantic (western France; northern Spain)

Alpine (Pyrenees)

Macaronesia



Workshop groups

1. Alpine (Alps)

Goran Dusej
Johannes Rüdiss
Martin Wiemers

2. Alpine (Balkans)

Miloš Popović
Chris van Swaay
Martina Šašić

3. Atlantic (France, Spain)

Nigel Bourn
Mathieu De Flores
Constanti Stefanescu
Cristina Sevilleja

4. Black Sea/Pannonian/Steppic/ Alpine (Carpathians)

Daniela Lehner
Andras Szabadfalvi
Zdravko Kolev

Karen Aghababyan
Iulia Muntean
László Rákossy

5. Boreal and Alpine (Scandinavian)

Janne Heliola
Lars Pettersson
Anu Tiitsaar
Egle Viciuviene

6. Continental (western)

Anne Eskildsen
Elisabeth Kühn
Xavier Mestdag
Aidan Whitfield

7. Continental (eastern)

Zdenek Fric
Marcin Sielezniew
Irma Wynhoff

8. Mediterranean (western)

José Miguel Barea
Eva Monteiro
Miguel Munguira
Martin Warren

9. Mediterranean (central and eastern)

Simona Bonelli
Leonardo Dapporto
Evrin Karacetin
Özge Özden
Albert Vliegthart

10. Moths

Helder Cardoso
Jurriën van Deijk
Stefano Scalercio

