



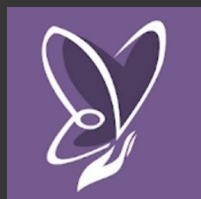
Butterfly Count

App updates and tips

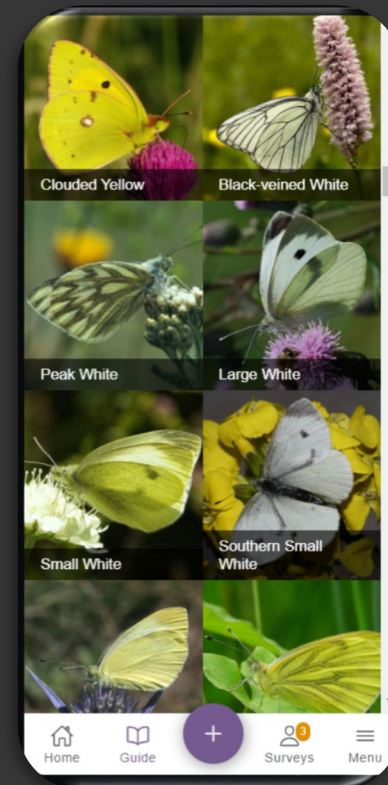
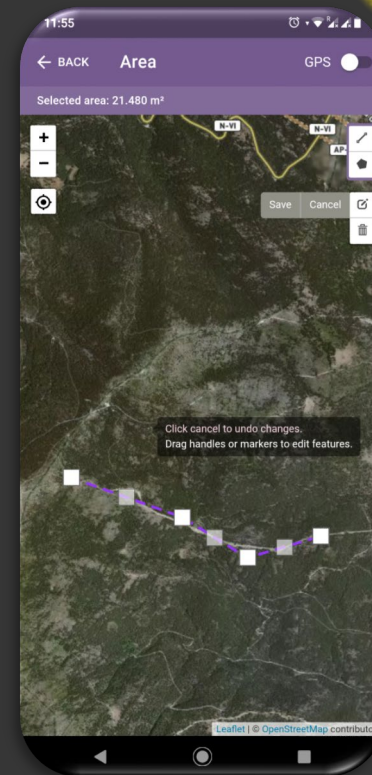
Cristina Sevilleja

Dutch Butterfly Conservation,
eBMS Team, BCE

ButterflyCount app: basics



1. Download the app (free)
2. Need an account on the eBMS platform:
www.butterfly-monitoring.net

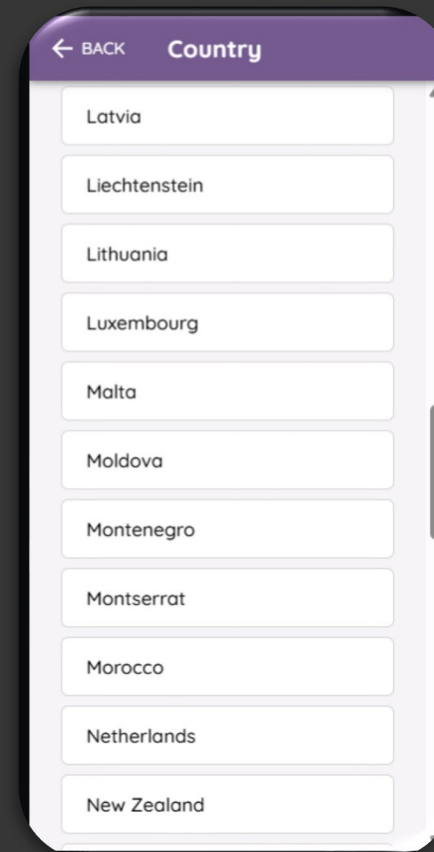
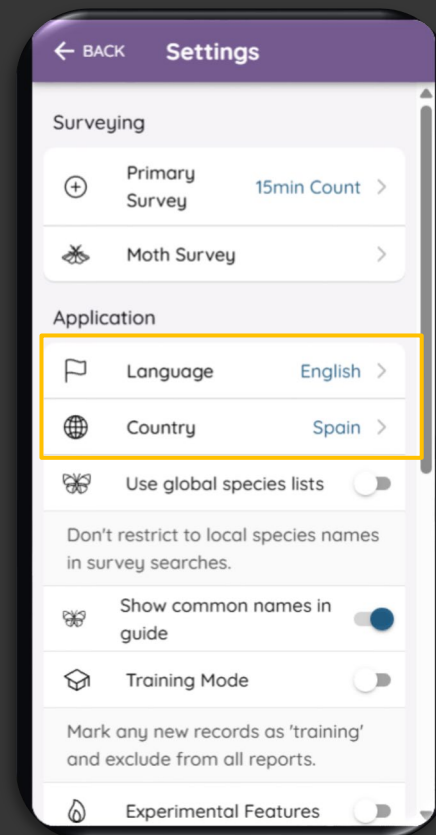


ButterflyCount app: basics

- ▶ A mobile application to collect **butterfly counts** across Europe and other parts of the world
- ▶ The whole list of Lepidoptera species for Europe
- ▶ + 25 languages (updates on Transifex)
- ▶ Other countries (sp lists): Japan, New Zealand, South Africa, Morocco, Nigeria, Kenya, Aruba, Curaçao, Bonaire, Sint Eustatius, Saba...

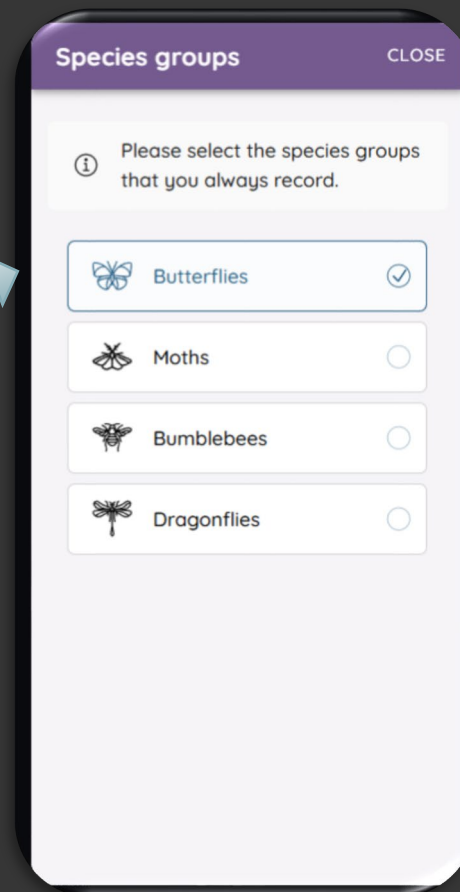
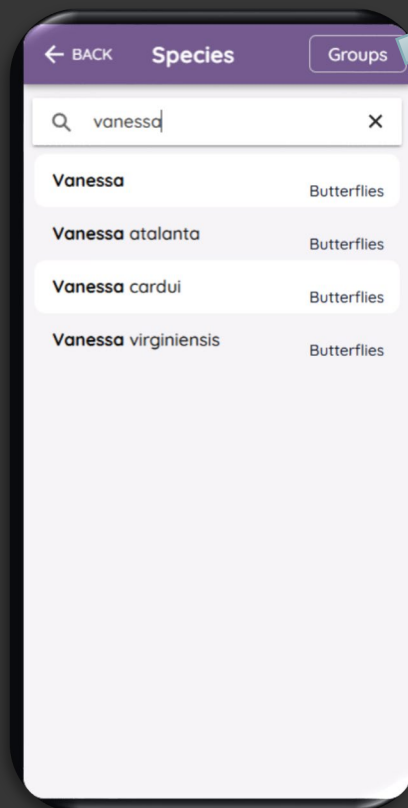
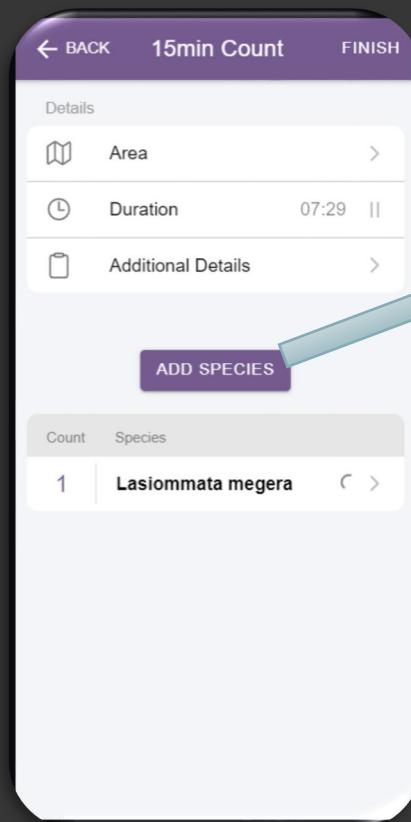
Important to select:

- Country
- Language (it will affect sp list, latin or/and common names)



ButterflyCount app: basics

- ▶ The whole list of Lepidoptera species for Europe (butterflies and moths) + some countries
- ▶ Species group: moths, dragonflies, bumblebees for 15min counts + transects

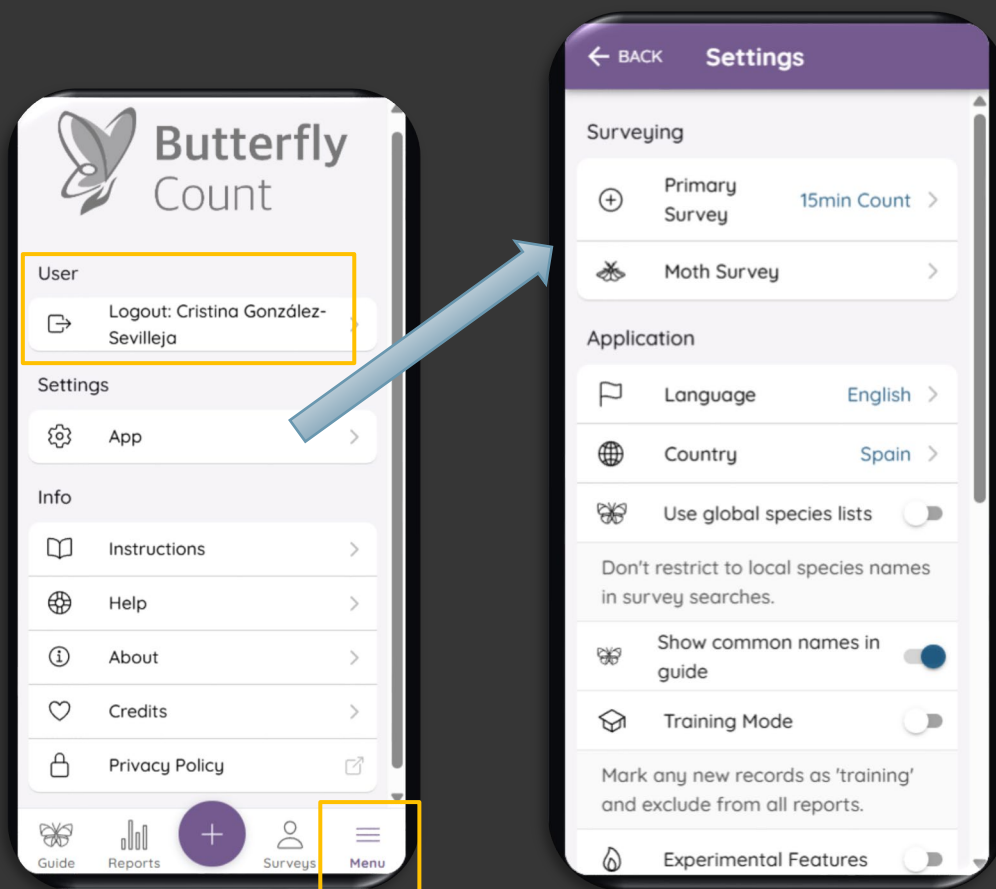


ButterflyCount app: settings

What to select on the app settings:

- ▶ eBMS account: Log in/out
- ▶ Primary survey (press + button)
- ▶ Moth Survey: Automatic identification
- ▶ Language + country (sp list)
- ▶ Common names
- ▶ Training mode
- ▶ App version at the bottom

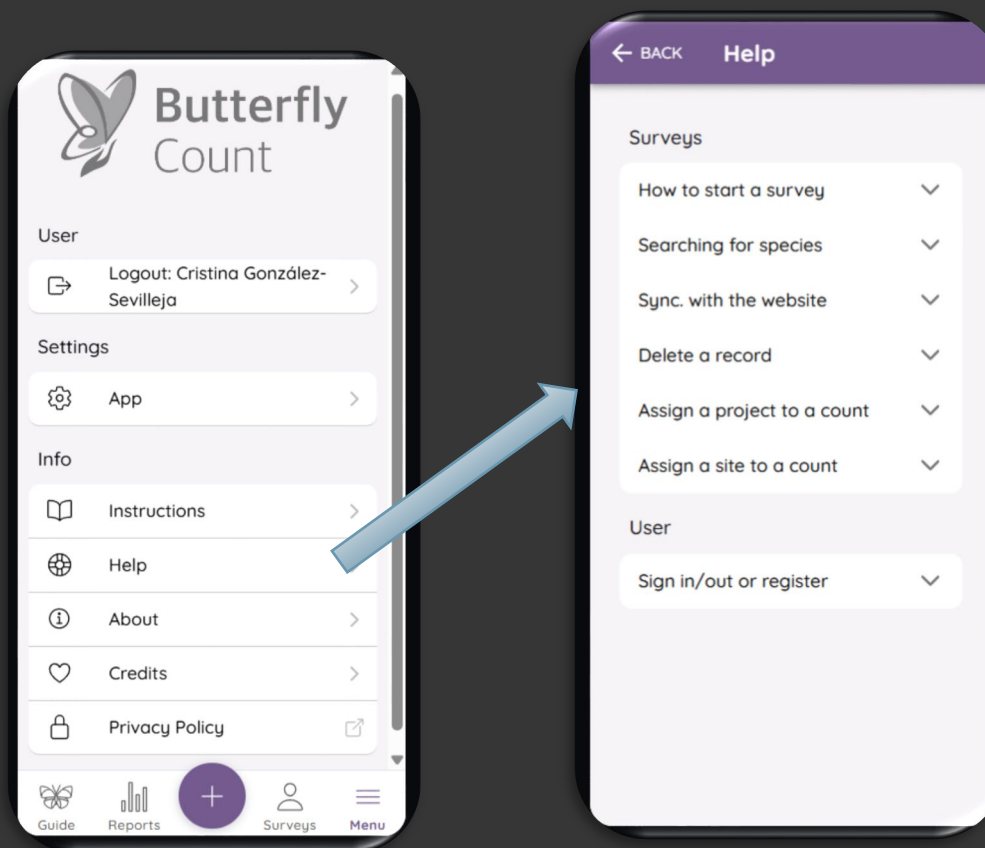
- Issues with the app: log out/in
- Uninstall the app, it will preserve own data (except data no submitted)



ButterflyCount app: info

What to select on the app info:

- ▶ Instructions: basic knowledge on the app use
- ▶ Help: main doubts
- ▶ Credits



Surveys



Transects vs 15-min Counts

Transects

- ▶ They are the core of a BMS
- ▶ Standardized method
- ▶ More robust data
- ▶ Trends

15-min Counts

- ▶ More flexible, support for a BMS
- ▶ Standardized method by sampling effort
- ▶ Less precise data
- ▶ Rare species and remote areas

Conservation Biology

Contributed Paper |  Open Access |  

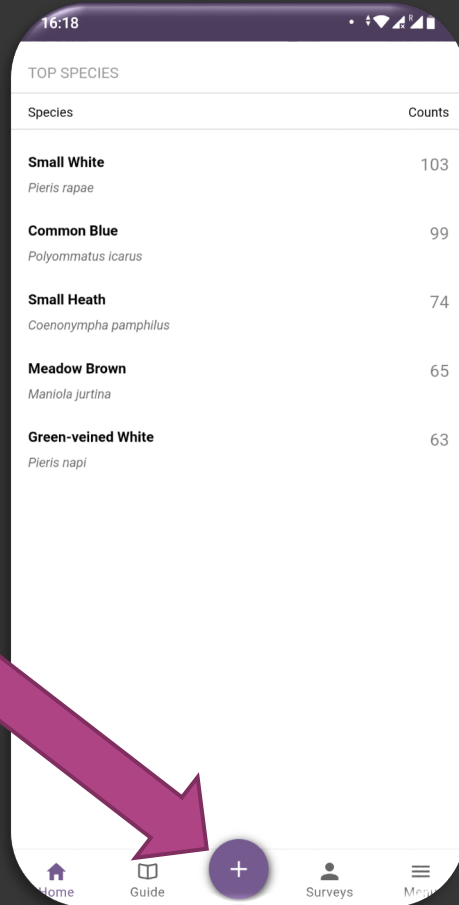
Using citizen science butterfly counts to predict species population trends

Emily B. Dennis  Byron J.T. Morgan, Tom M. Brereton, David B. Roy, Richard Fox

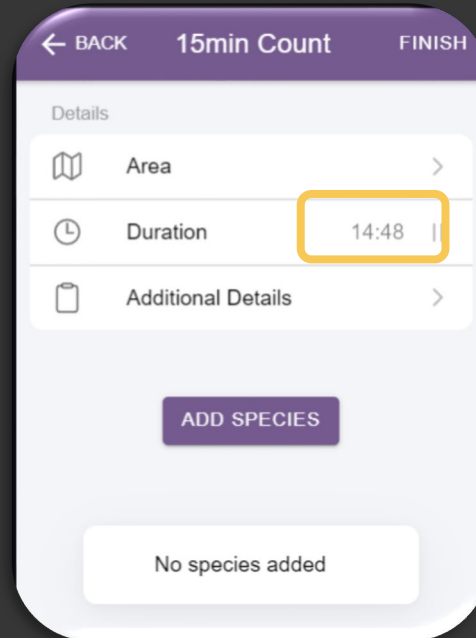
First published: 05 May 2017 | <https://doi.org/10.1111/cobi.12956> | Citations: 72

How to make a 15-min count?

Press +
button



15-min starts, check
GPS and time



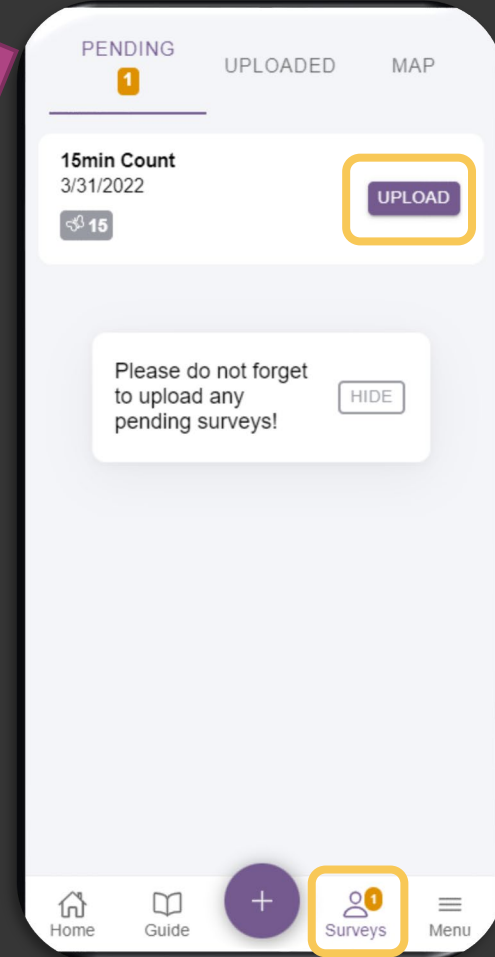
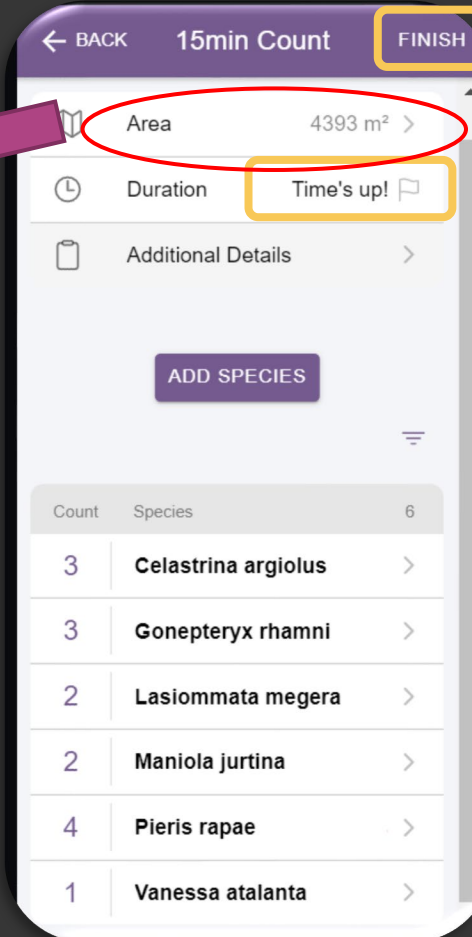
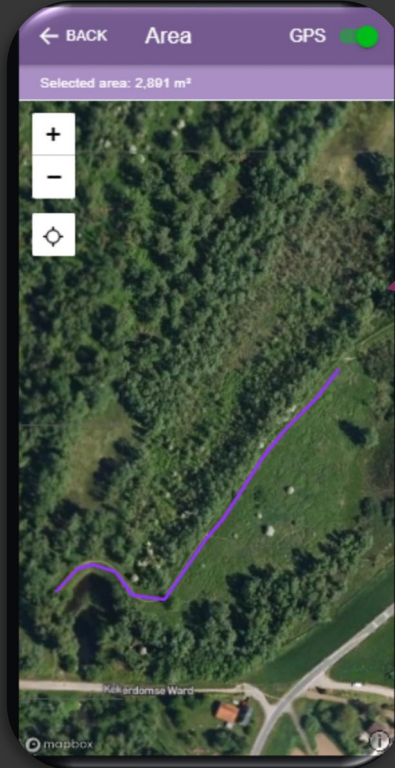
15min counts only on
the app, not able to
add it on the website!!

press + button

How to make a 15-min count?

Press finish and
upload

Time's up:
review sp
and route

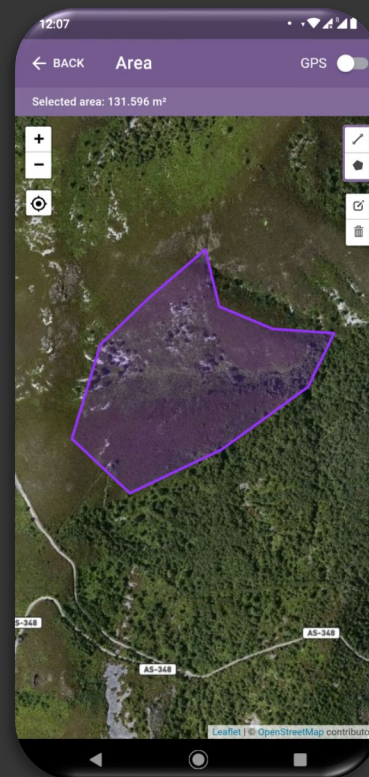
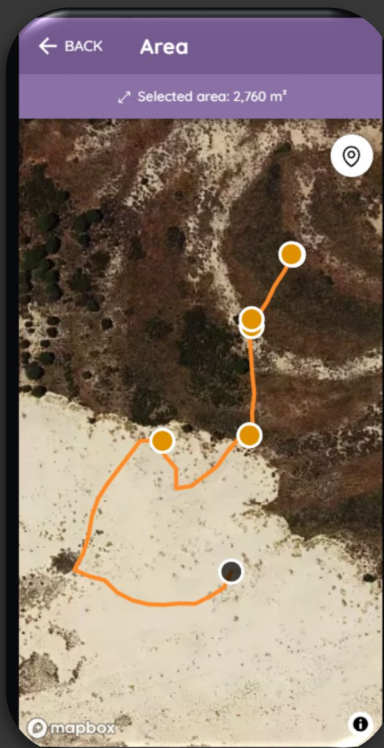


Surveys not uploaded only
saved on the phone!!

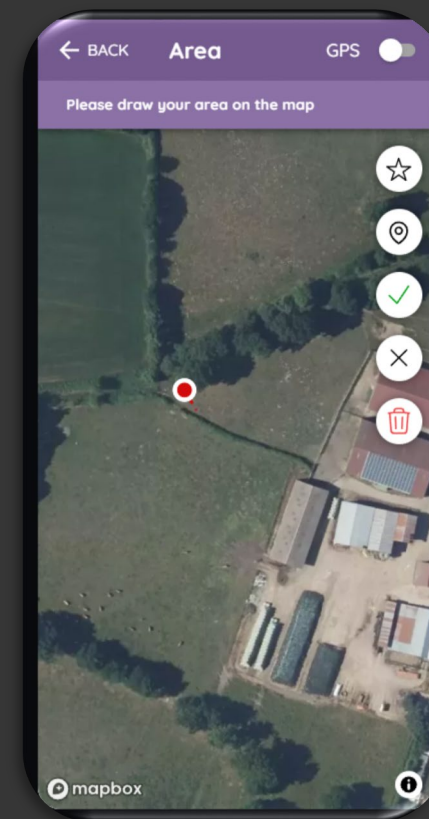
How to make a 15-min count?

The app counts down 15 minutes and register the route

- ▶ GPS on: app records your route
- ▶ GPS off: draw the route or area



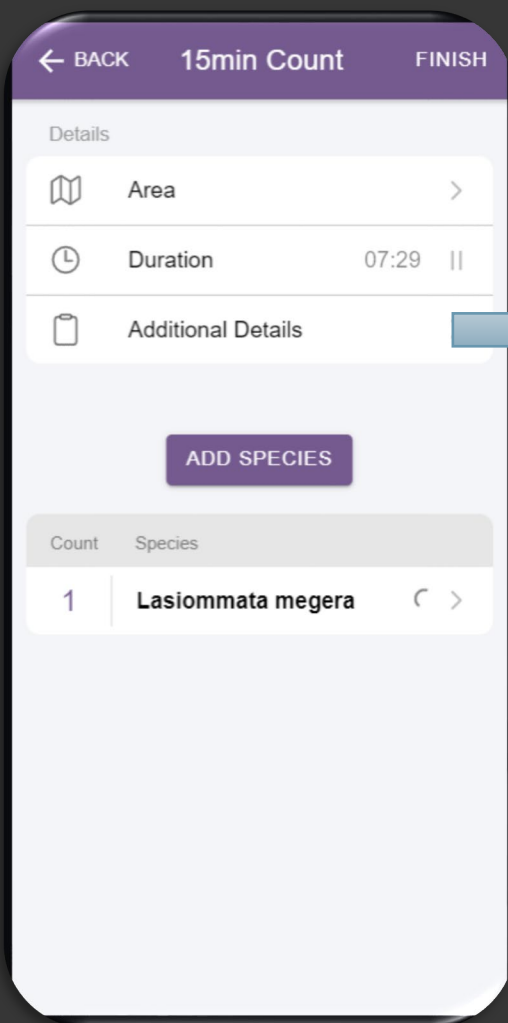
Issue with the GPS



How to make a 15-min count?

Additional details

- Sensitive
- Comments
- Recorders



← BACK 15min Count FINISH

Details

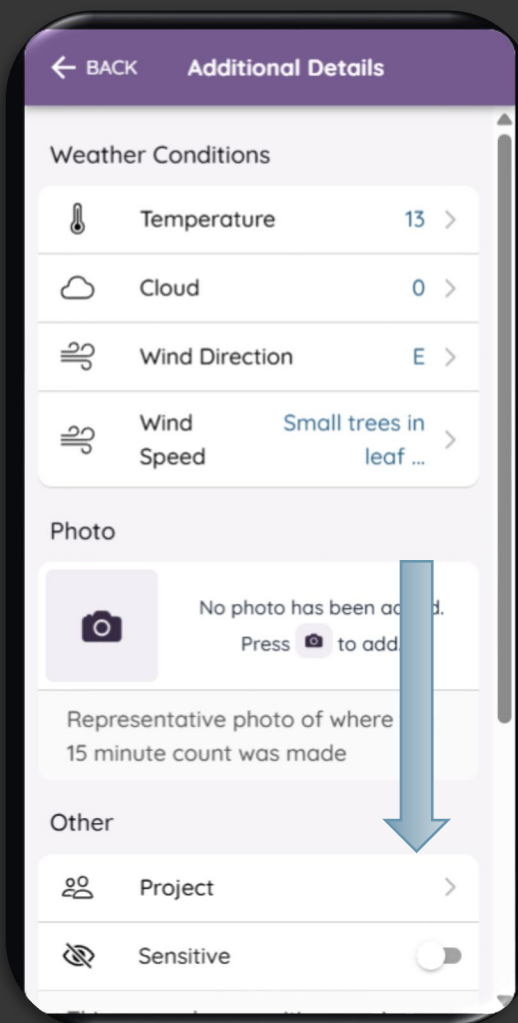
Area >

Duration 07:29 ||

Additional Details

ADD SPECIES

Count	Species
1	Lasioommata megera >



← BACK Additional Details

Weather Conditions

Temperature 13 >

Cloud 0 >

Wind Direction E >

Wind Speed Small trees in leaf ... >

Photo

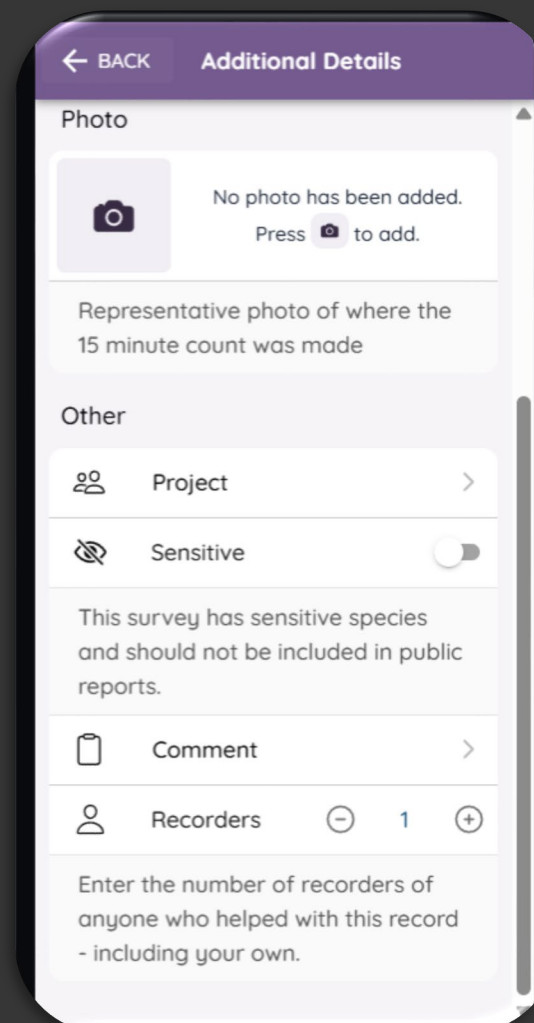
No photo has been added. Press [camera icon] to add.

Representative photo of where 15 minute count was made

Other

Project >

Sensitive ☐



← BACK Additional Details

Photo

No photo has been added. Press [camera icon] to add.

Representative photo of where the 15 minute count was made

Other

Project >

Sensitive ☐

This survey has sensitive species and should not be included in public reports.

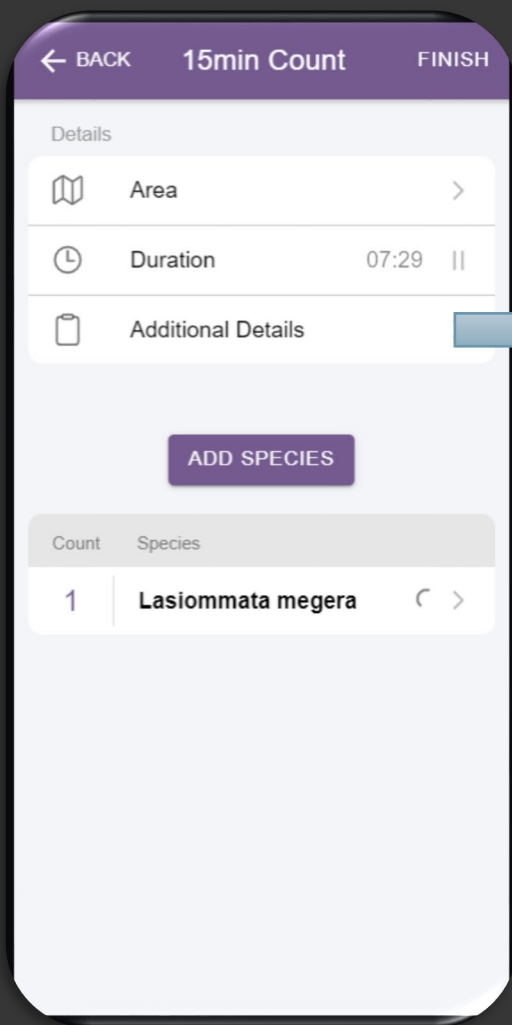
Comment >

Recorders - 1 +

Enter the number of recorders of anyone who helped with this record - including your own.

How to make a 15-min count?

Additional details



← BACK 15min Count FINISH

Details

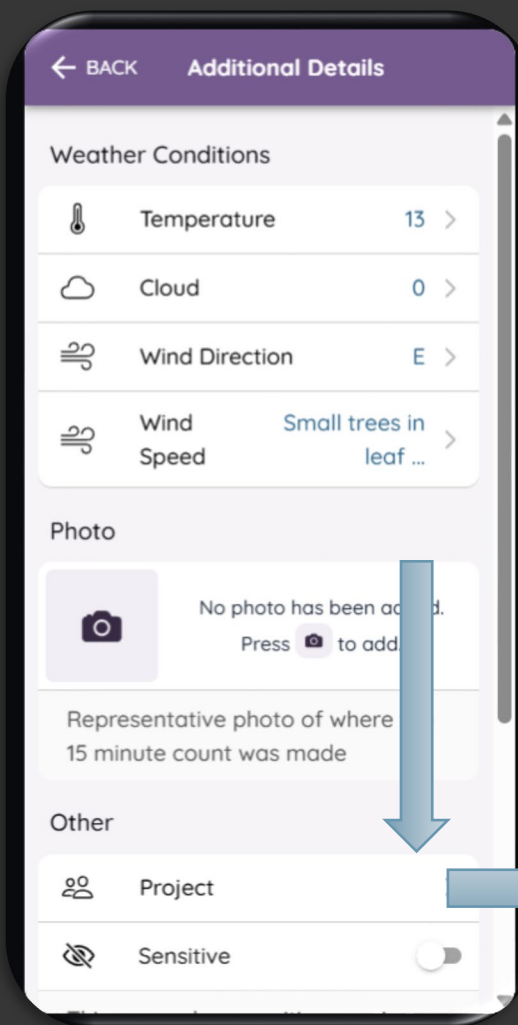
Area >

Duration 07:29 ||

Additional Details

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1	Lasioommata megera



← BACK Additional Details

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Photo

No photo has been added.
Press [camera icon] to add

Representative photo of where
15 minute count was made

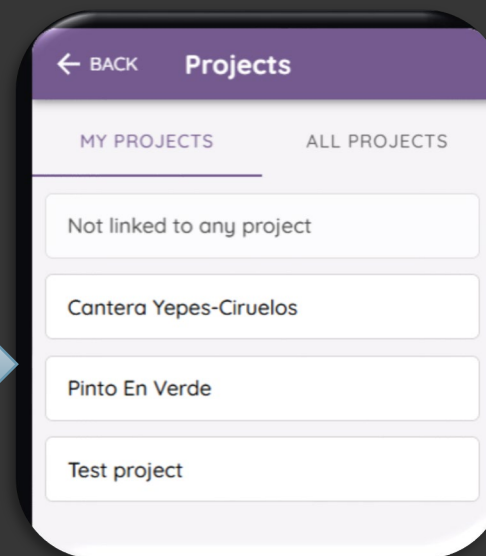
Other

Project

Sensitive

Projects for 15min counts:

- ▶ Assign projects to surveys
- ▶ Create your own projects
- ▶ Users can join/ adm select



← BACK Projects

MY PROJECTS ALL PROJECTS

Not linked to any project

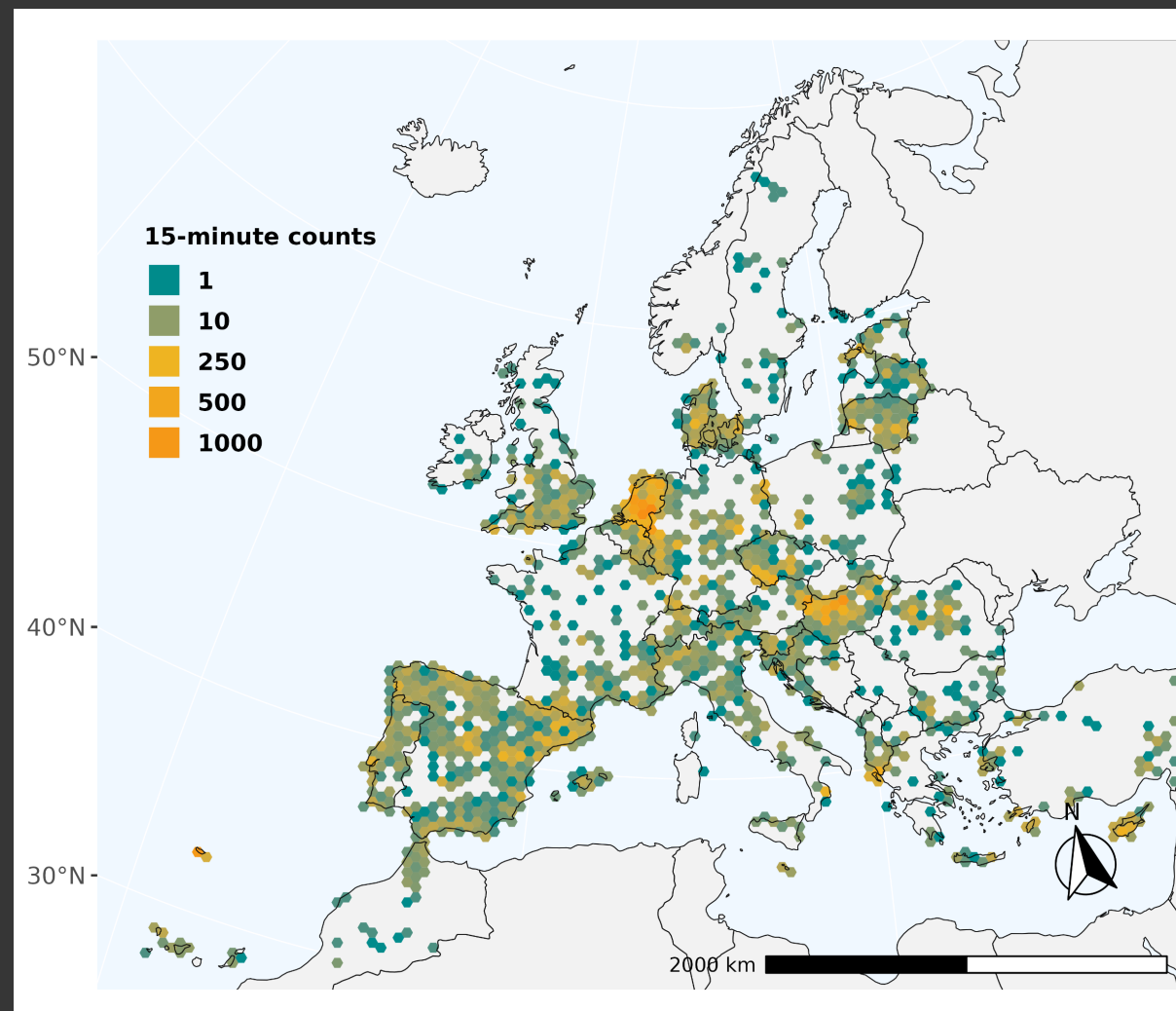
Cantera Yepes-Ciruelos

Pinto En Verde

Test project

Why to use 15-min counts?

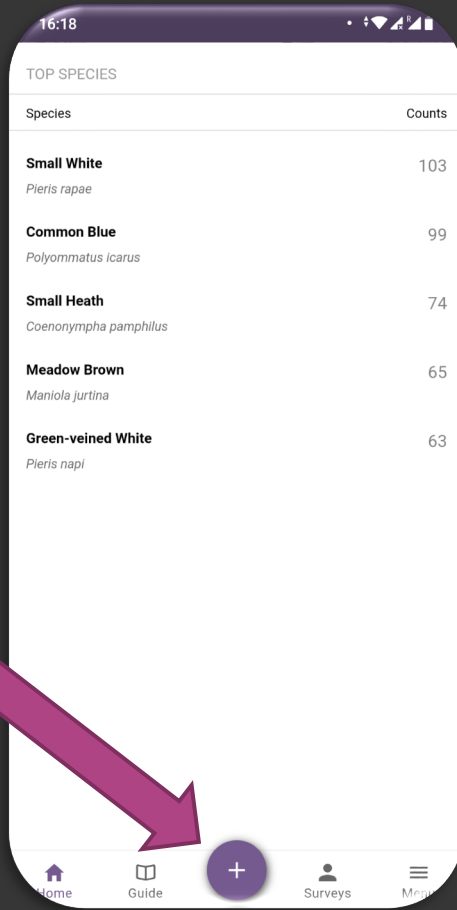
- ▶ Funny!
- ▶ Flexible
- ▶ Perfect for holidays
- ▶ Filling gaps:
 - interesting areas (mountains, isolated areas, rare species)
 - low monitored areas (agricultural, urban landscapes)



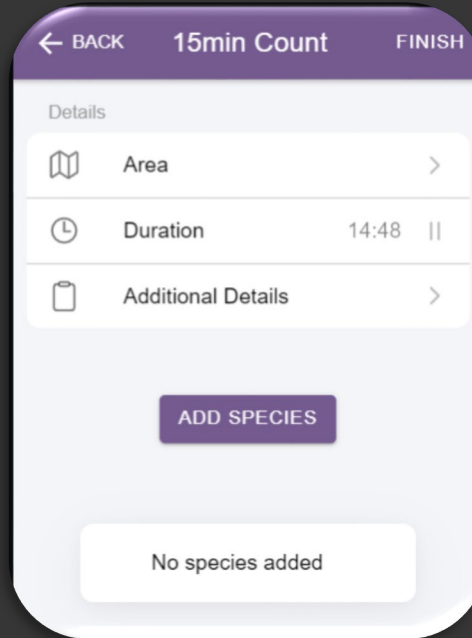
2018-2024

Type of surveys

Press +
button

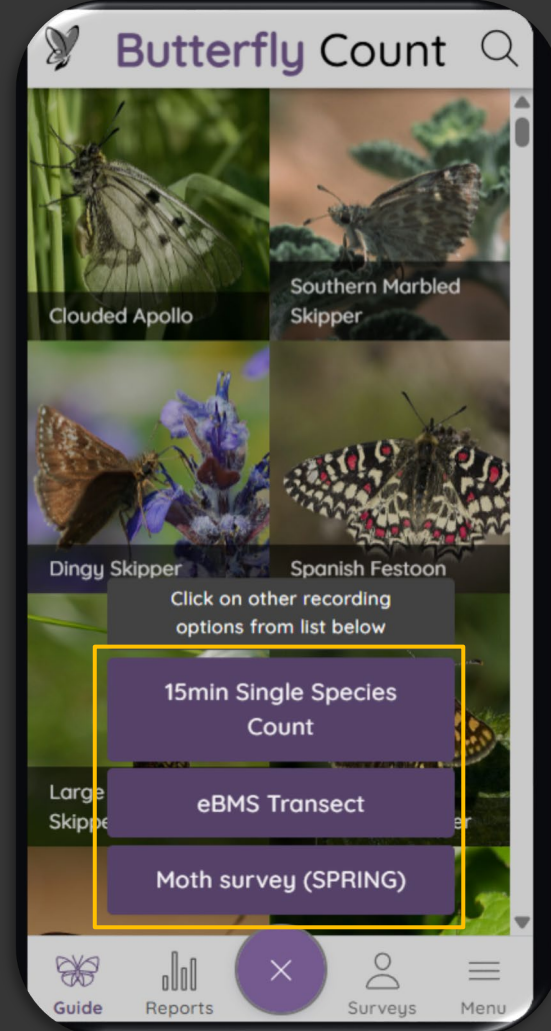


Fast Press
+ button



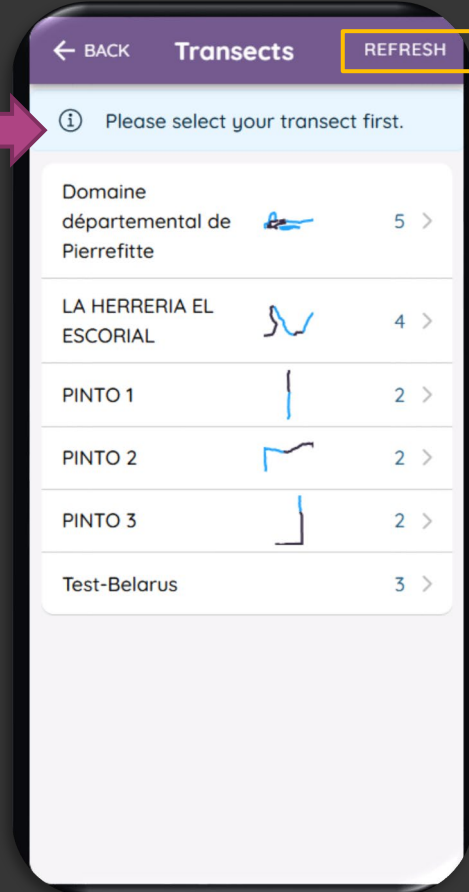
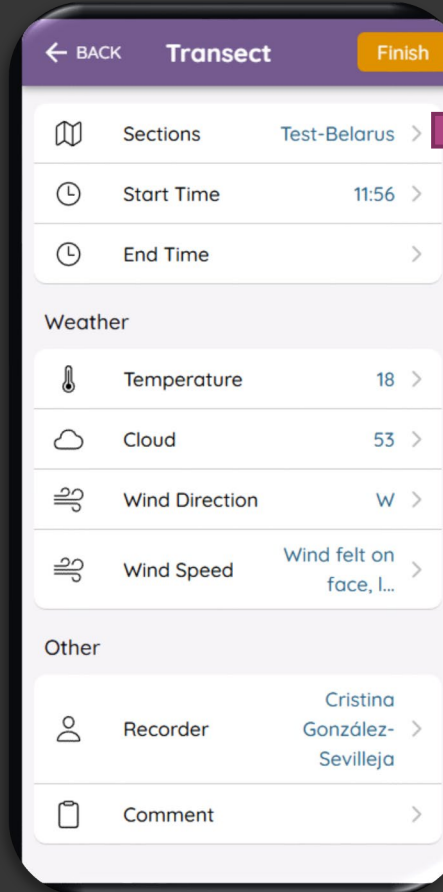
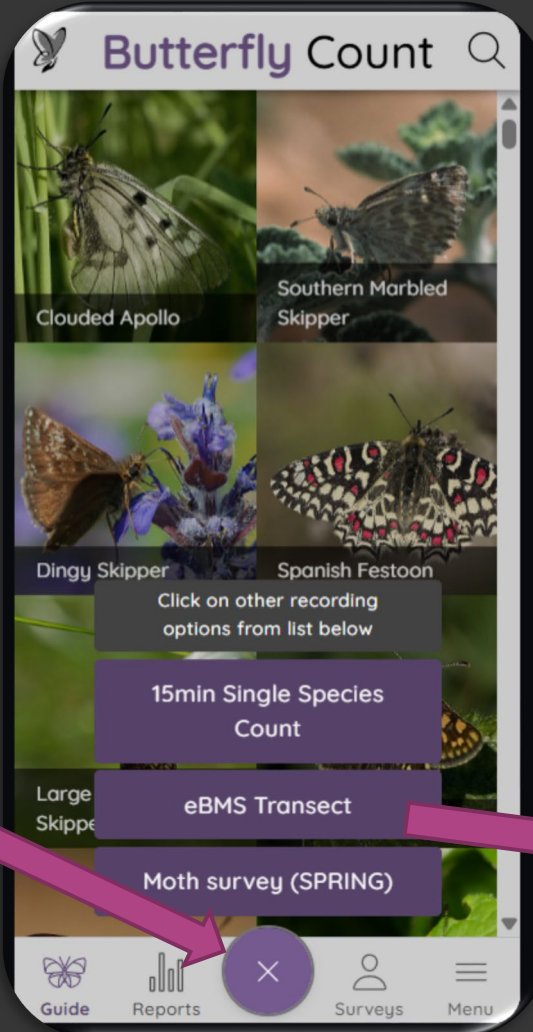
Long Press
+ button

Other
surveys



Other surveys: transects

Long Press
+ button

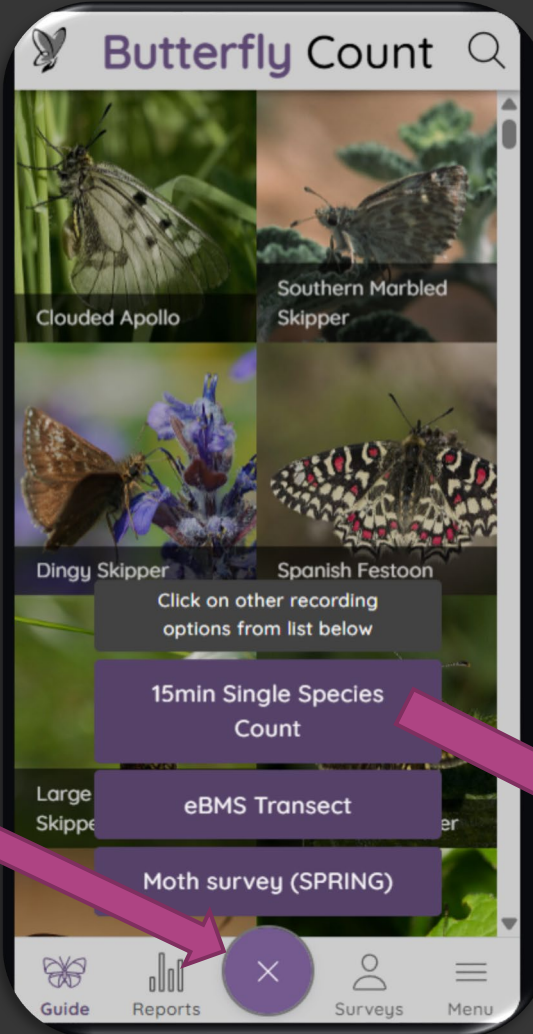


eBMS Transects
(registered on the website)

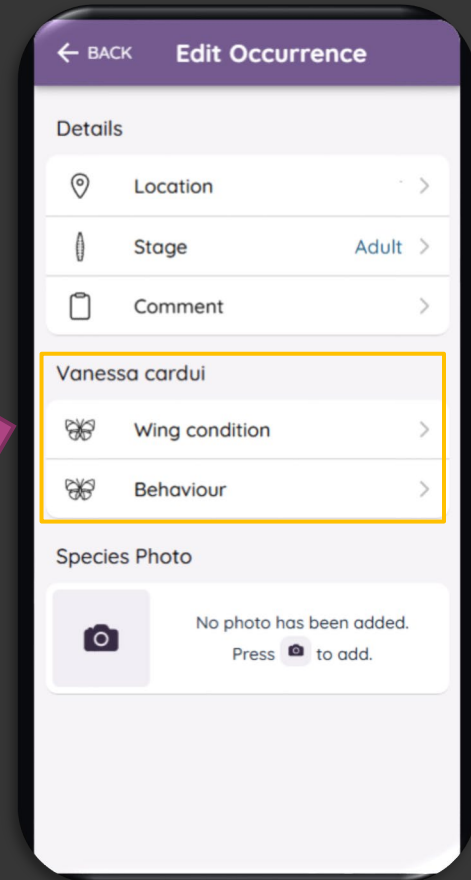
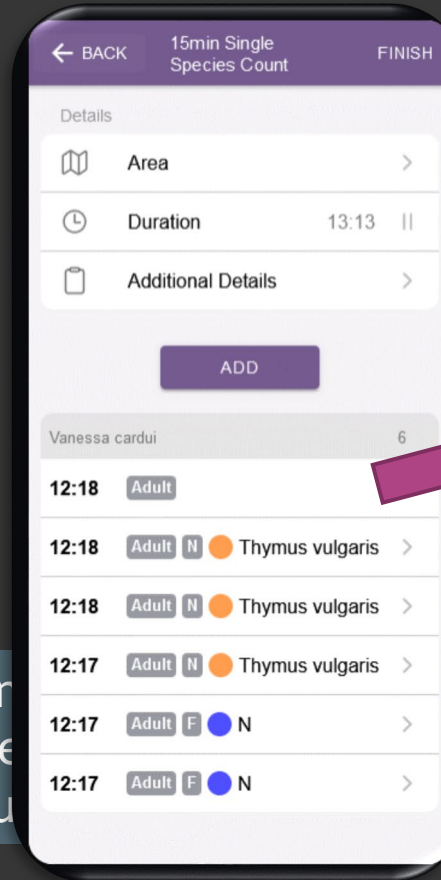
Other surveys: 15min count single sp

Vanessa cardui - Painted Lady Migration

Long Press
+ button



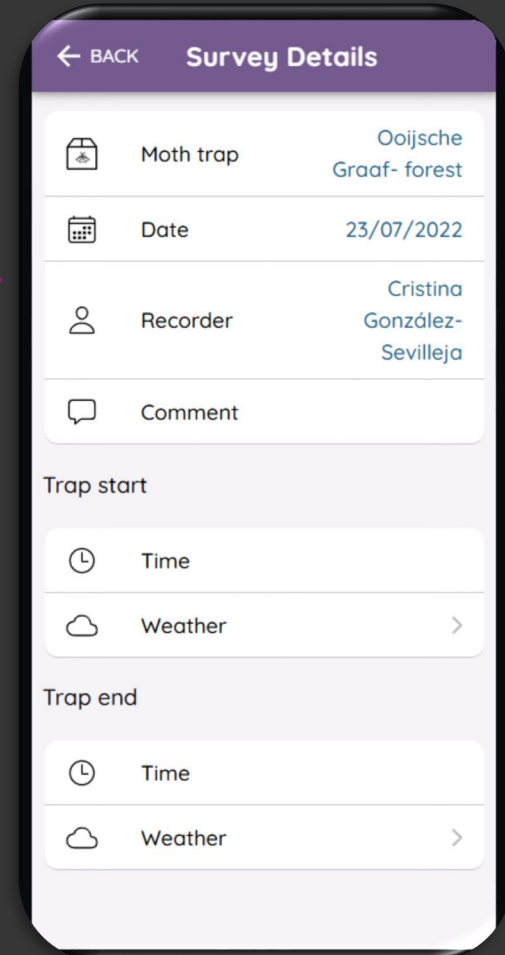
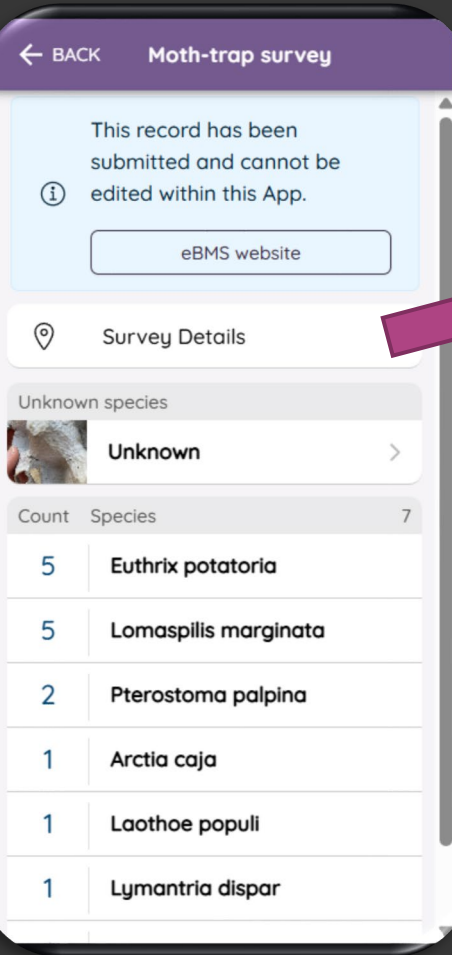
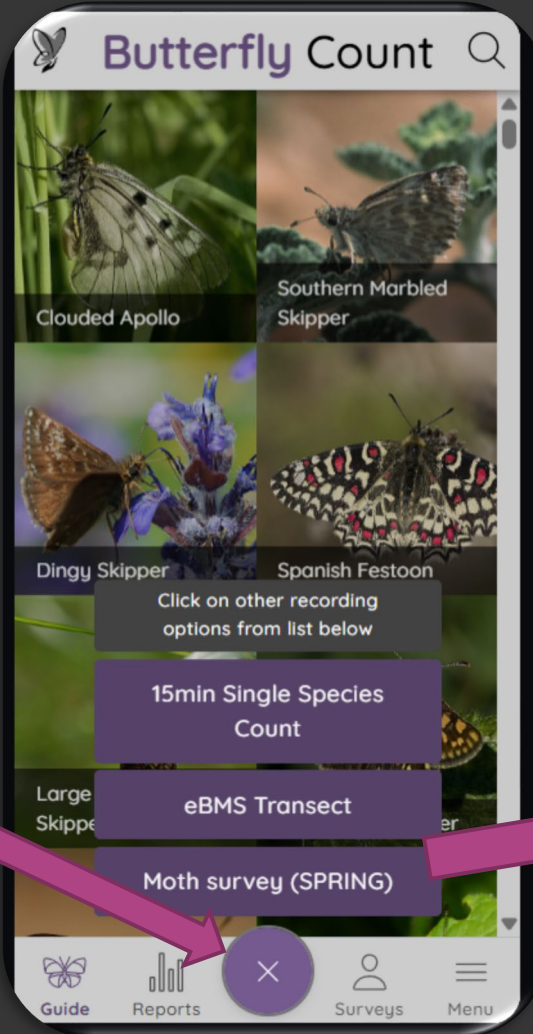
15min
(prote
e.g. u



Other surveys: moth traps

Moth traps

Long Press
+ button



eBMS website: edition

- ▶ ButterflyCount app connected to the eBMS website
- ▶ My data -> My samples



Butterfly Monitoring ▾ eBMS background ▾ My scheme ▾ My data ▾ eBMS data ▾ My account ▾

eBMS data / Explore online data

Explore online data

Here you can explore online data, all the data registered on the eBMS system from different methodologies: transects and 15-min counts. Use the filters below to search by methodology, country, and region.

Search: Survey: All ▾ Country/EU NUTS region: <All locations shown> ▾

My transect sites
My transect walks
My samples
My downloads
My transect reports ▸
My moth traps
My moth trap samples

My samples

Search: Country/EU NUTS region: <All locations shown> ▾
For more information, see NUTS regions.

Samples Download

ID	Survey	Date	Start Time	End Time	Area sampled (m²)	Species
15533938	EBMS 15 minute counts	14/09/2021	15:06	15:21	9922	3
15533917	EBMS 15 minute counts	14/09/2021	14:49	15:05	7497	2
15533910	EBMS 15 minute counts	14/09/2021	14:16	14:49	6991	3
15533903	EBMS 15 minute counts	14/09/2021	14:00	14:16	8418	1

View and edit
your surveys

www.butterfly-monitoring.net/mydata/samples

eBMS website: edition

► ButterflyCount app connected to the eBMS website



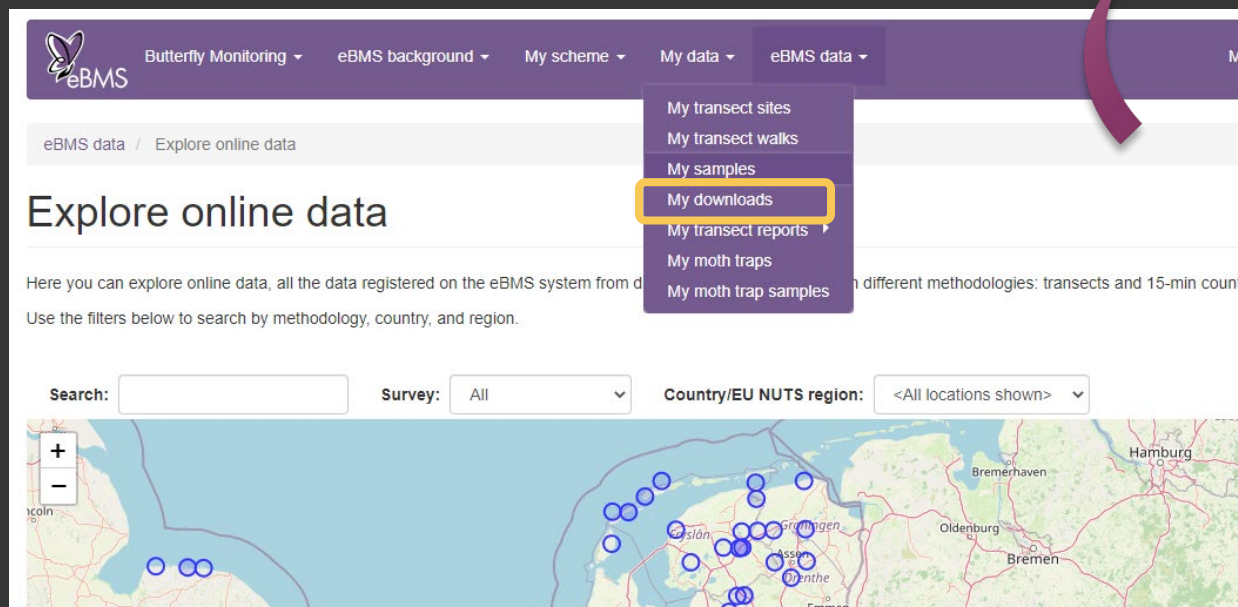
► My data -> My samples

View and edit

ID	Survey	Date	Start Time	End Time	Area sampled (m²)	Species	
26561809	EBMS 15 minute counts	11/07/2024	12:42	12:57	1319	12	
26561772	EBMS Transects	11/07/2024	11:38	12:13		12	

eBMS website: download

- ▶ ButterflyCount app connected to the eBMS website
- ▶ My data -> My samples



BMS transect downloads

- Download species occurrences from transects (zipped CSV)
- Download sample (visit) information from transects (zipped CSV)

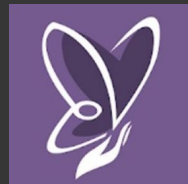
15 minute timed-count downloads

- Download 15-min count occurrences (zipped CSV)
- Download 15-min count samples (zipped CSV)
- Download 15-min tracks and areas (KML)
- Download 15-min occurrences (KML)
- Download tracks and areas (GPX)

Download your
data and routes

www.butterfly-monitoring.net/mydata/downloads

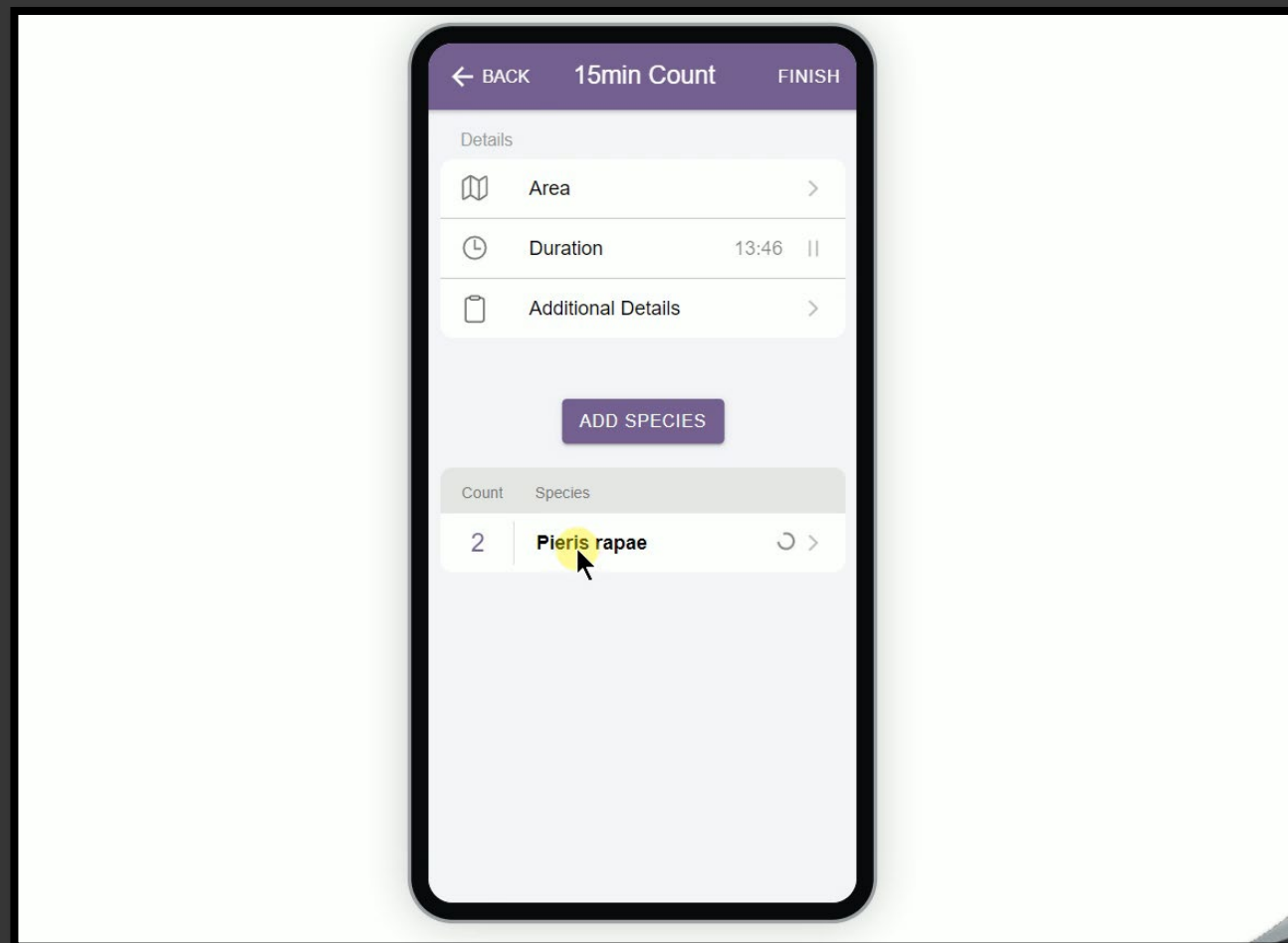
ButterflyCount app



Explanatory videos



Butterfly Conservation
Europe YouTube channel



More info: www.butterfly-monitoring.net/ebms-app



gracias
obrigado
Thank you
takk
dank
merci
grazie
eucharisto
ευχαριστω
kiitos
gracias
Děkuji
spasiba
hvala
Děkuji
dank
tak
grazie
ευχαριστώ
muljamesc
obrigado
Thank you
hvala
Děkuji
dank
tak
grazie
ευχαριστώ
muljamesc



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UK Centre for
Ecology & Hydrology