



Kwartiertellingen, nieuw vlinderen

15-minute counts

Cristina Sevilleja

eBMS Team

Monitoring biodiversity



Mark-Release-Recapture (MRR)

High

*Scientists -
Butterfly expert*

Transects

Middle

Trained people

15-min Counts

Opportunistic
data

Low

Every person

Monitoring
effort



eBMS



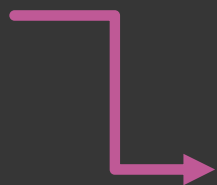
Experience



eBMS European Butterfly Monitoring Scheme

What is a 15-min count? kwartiertelling?

- ▶ Methodology counting insects during 15 minutes
- ▶ In a certain area, route or point
- ▶ Same monitoring effort
- ▶ Butterfly abundances



Many
possibilities



Where to do 15-min counts?

Everywhere

► In a path



► In a meadow



Where to do 15-min counts?

Everywhere

► In a stream



► In the mountains



Where to do 15-min counts?

Everywhere

► In a park



► In the city



Where to do 15-min counts?

Everywhere

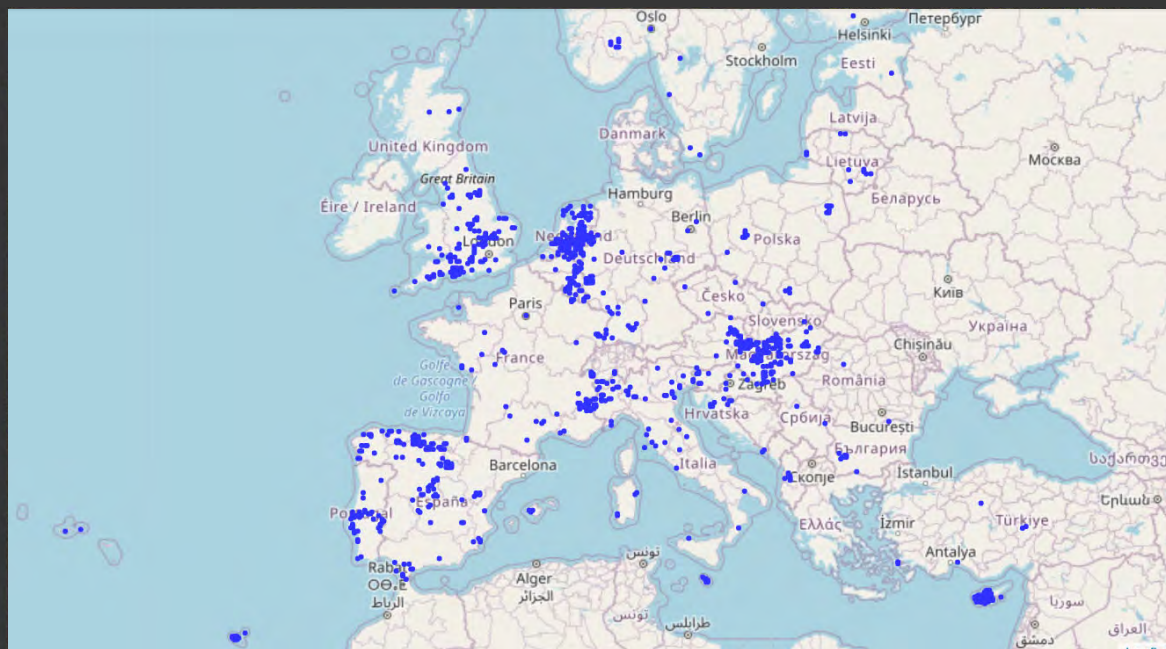
- ▶ Walking the dog



- ▶ On the outskirts

Why to use 15-min counts?

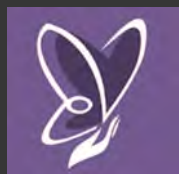
- ▶ Funny!
- ▶ Flexible
- ▶ Perfect for holidays
- ▶ Standardised method
- ▶ Filling gaps:
 - interesting areas (mountains, isolated areas, rare species)
 - low monitored areas (agricultural, urban landscapes)



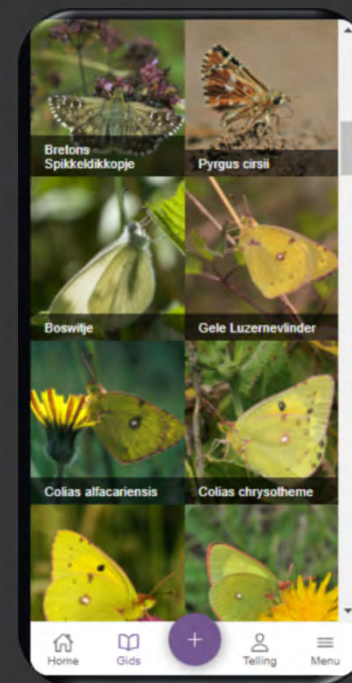
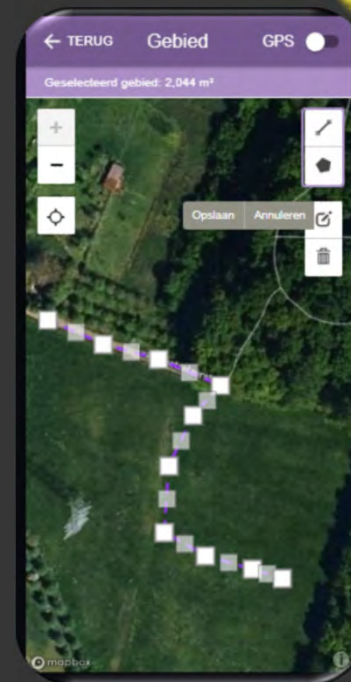
All 15-minute counts recorded in Europe so far!



ButterflyCount app

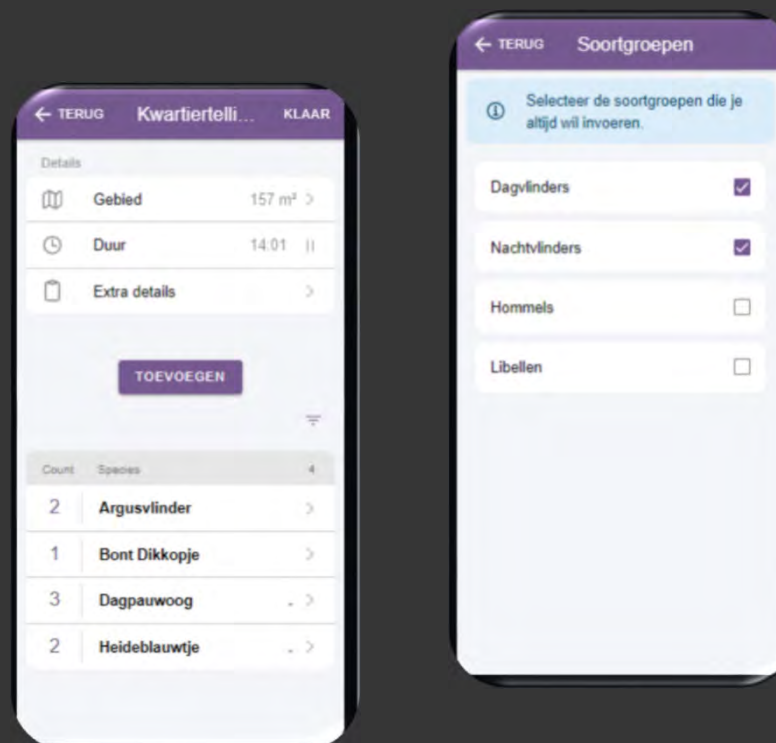


1. Download the app
2. Register an account on the eBMS:
www.butterfly-monitoring.net



ButterflyCount app

- ▶ A mobile application to collect butterfly counts across Europe
- ▶ In Dutch and +10 languages
- ▶ Dutch names of butterflies
- ▶ Other taxa: moths, dragonflies, bumblebees

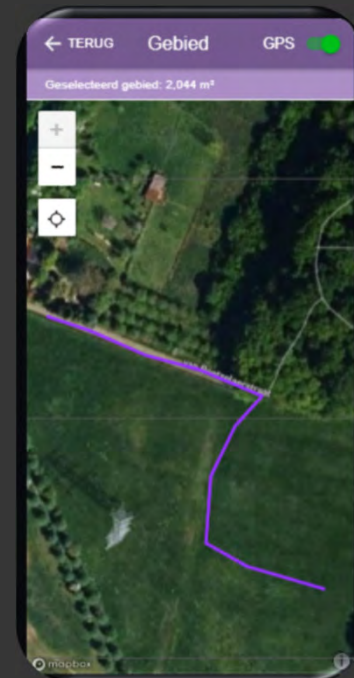
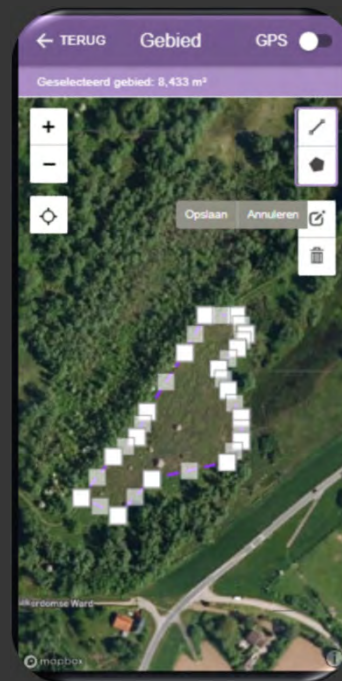


More info: www.butterfly-monitoring.net/ebms-app

ButterflyCount app

The app counts down 15 minutes and register the route

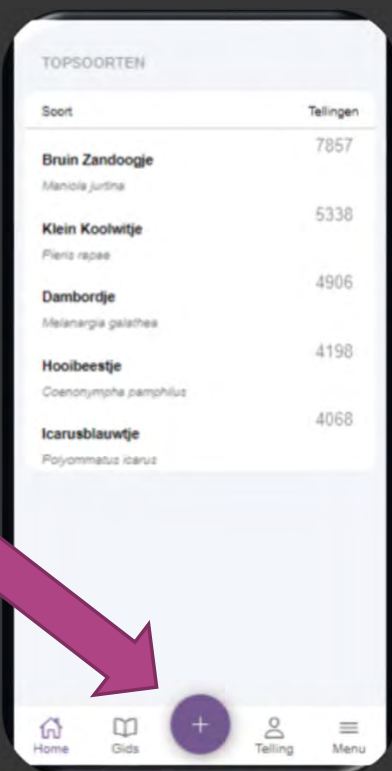
- ▶ GPS on: app records your route
- ▶ GPS off: draw the route or area



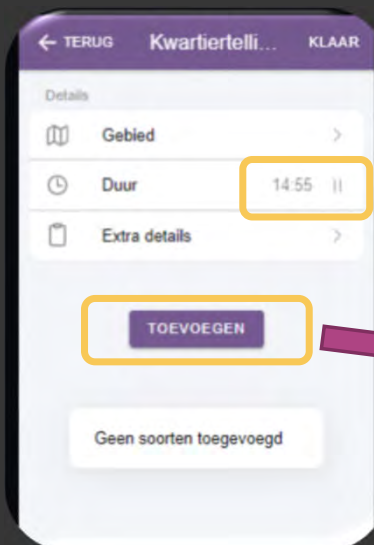
How to do a 15-min count?

Press +
button

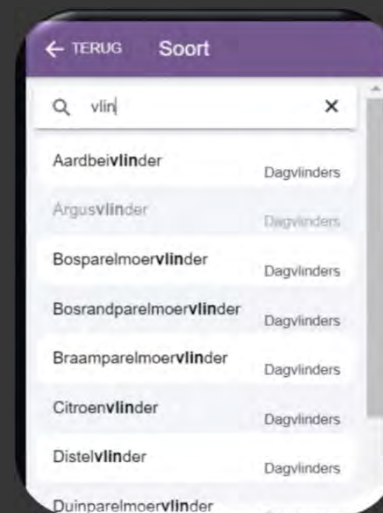
1st: press + button



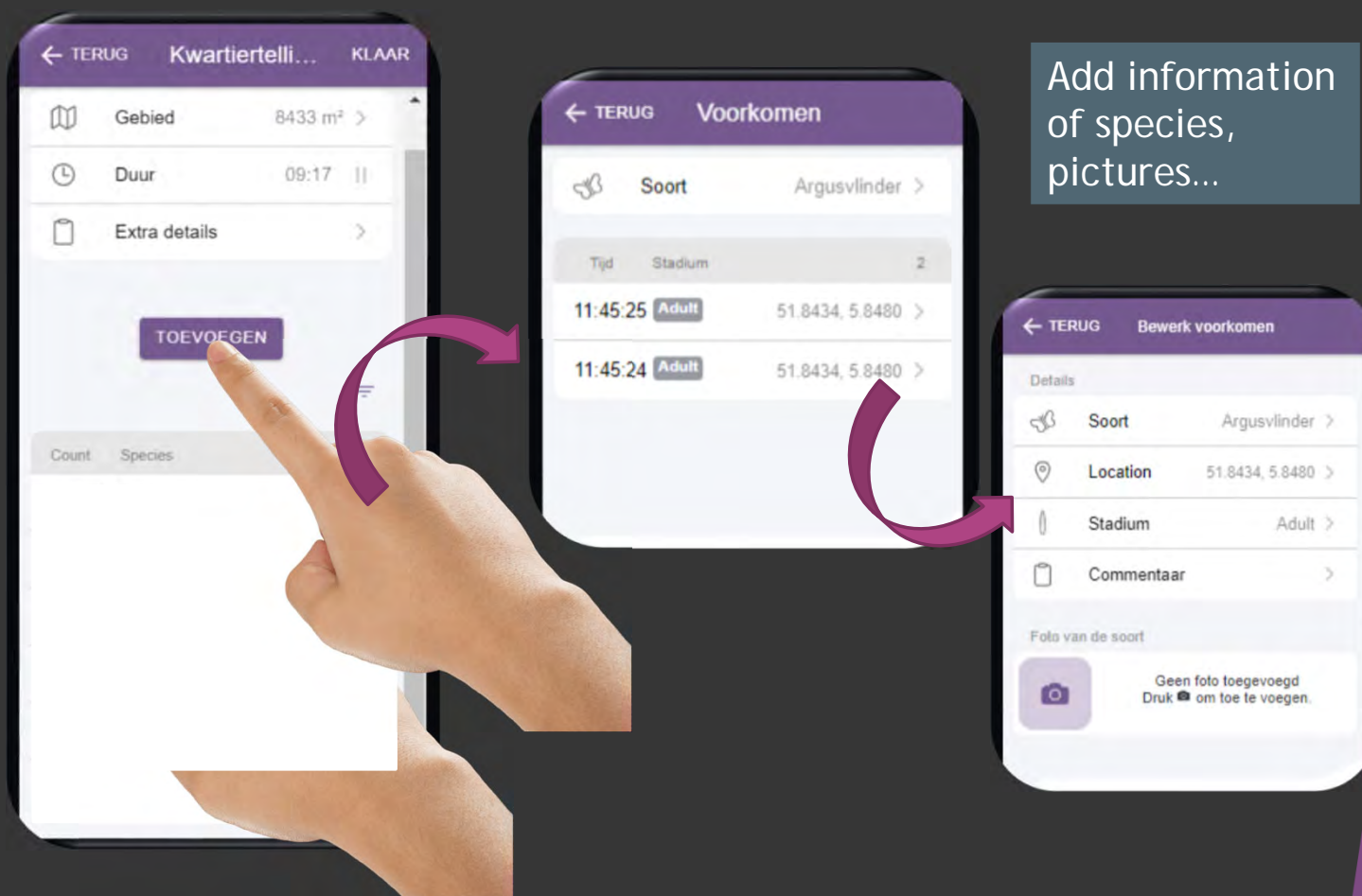
2nd: 15-min
starts, check GPS
and time



3rd: add
species

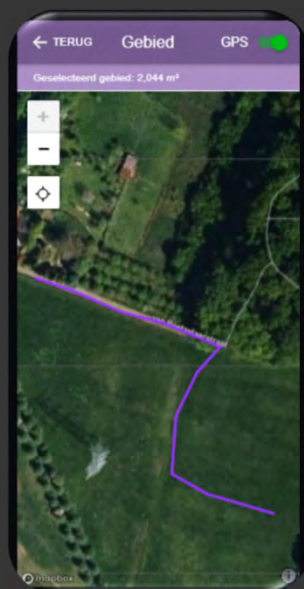


How to do a 15-min count?

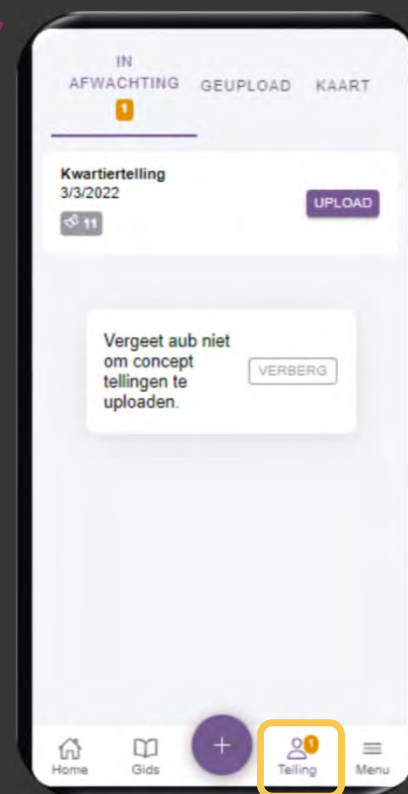
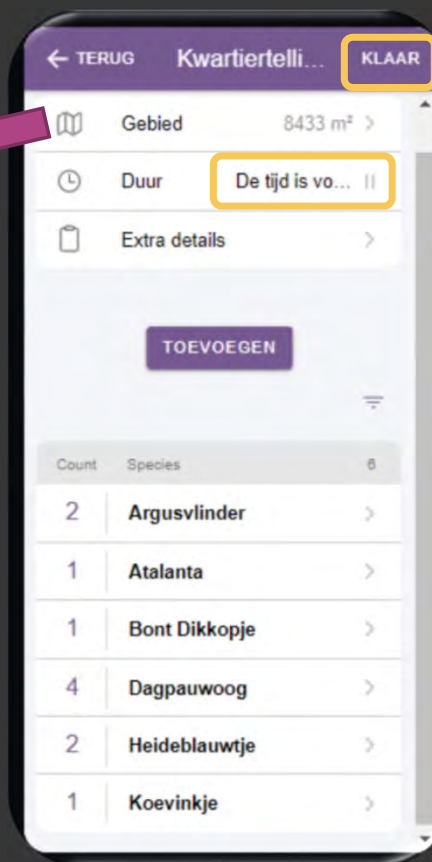


How to do a 15-min count?

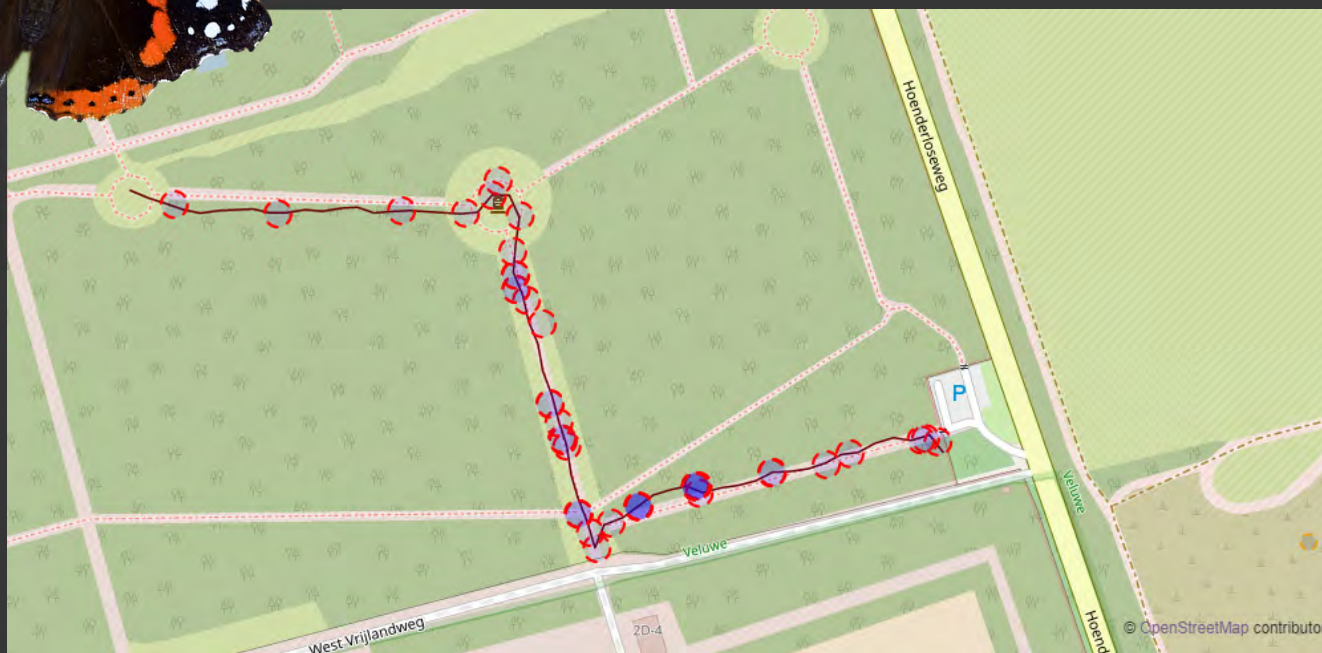
Press finish and
upload



Time's up:
review species
and route



15-min count - kwartiertelling

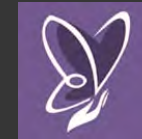


9 species seen

- 1 dagpauwoog
- 1 boomblauwtje
- 10 eikenpage
- 9 citroenvlinder
- 18 bruin zandoogje
- 1 groot koolwitje
- 3 klein koolwitje
- 1 icarusblauwtje
- 2 atalanta

eBMS website

- ▶ ButterflyCount app related 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 data ▾

- 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.

Leaflet | © OpenStreetMap contributors

Samples Download

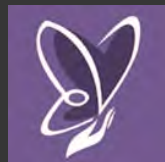
ID	Survey	Date	Start Time	End Time	Area sampled (m²)	Species
15533938	EBMS 15 minute counts	14/09/2021	15:06	15:21	9922	3
15533917	EBMS 15 minute counts	14/09/2021	14:49	15:05	7497	2
15533910	EBMS 15 minute counts	14/09/2021	14:16	14:49	6991	3
15533903	EBMS 15 minute counts	14/09/2021	14:00	14:16	8418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

Download your
data and routes

www.butterfly-monitoring.net/mydata/samples



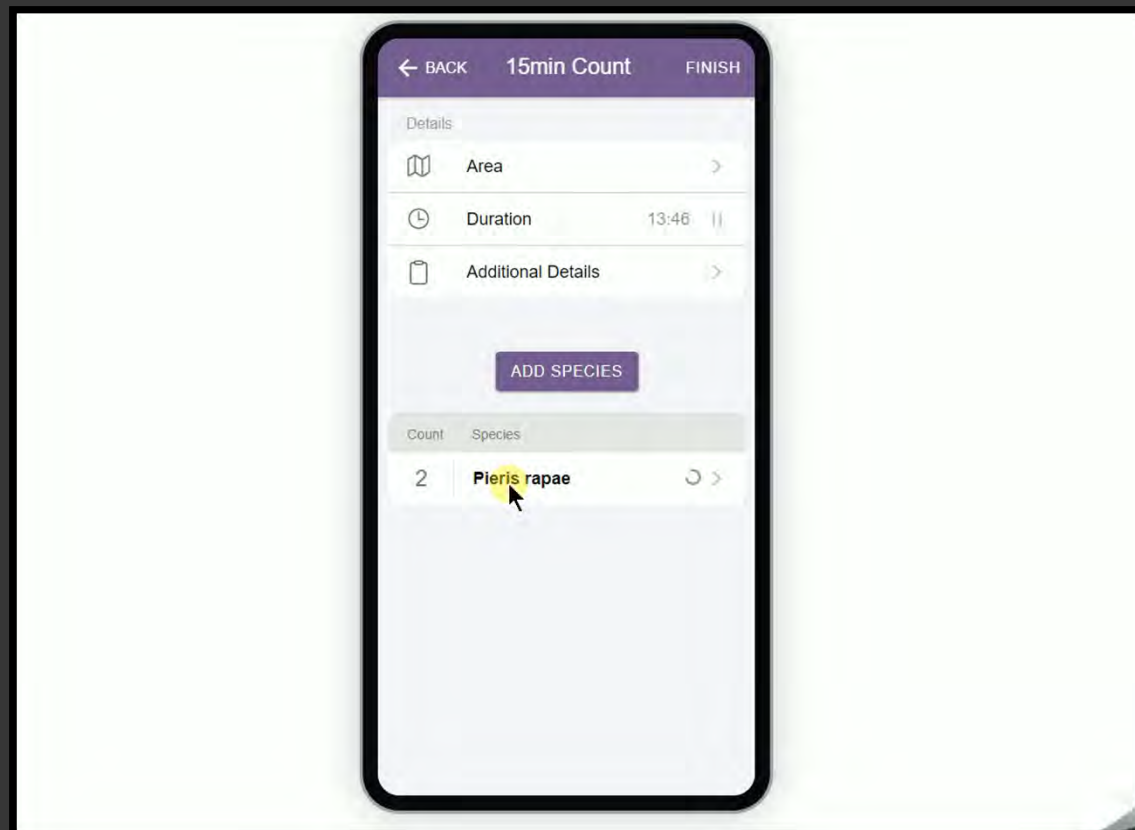
ButterflyCount app



Explanatory videos



Butterfly Conservation
Europe YouTube channel



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



gracias
Thank you
dank
merc
gracias
obrigado
spasiba
hvala
Děkuji
dank
tak
grazie
dank
efharisto
ευχαριστώ
gracias
merc
Děkuji
kiitos
gracias



Cristina G. Sevilleja
eBMS Development Network Officer
cristina.sevilleja@vlinderstichting.nl

