Legulus







Ühinenud Rahvaste Hariduse, Teaduse ja · ühendkoolid Kultuuri Organisatsioon •









•• Telia 4G

10:35



Add observation









LOCATION

Tartu maakond, Tartu





58.3743478 26.7179456 (± 1414 m)

START DATE

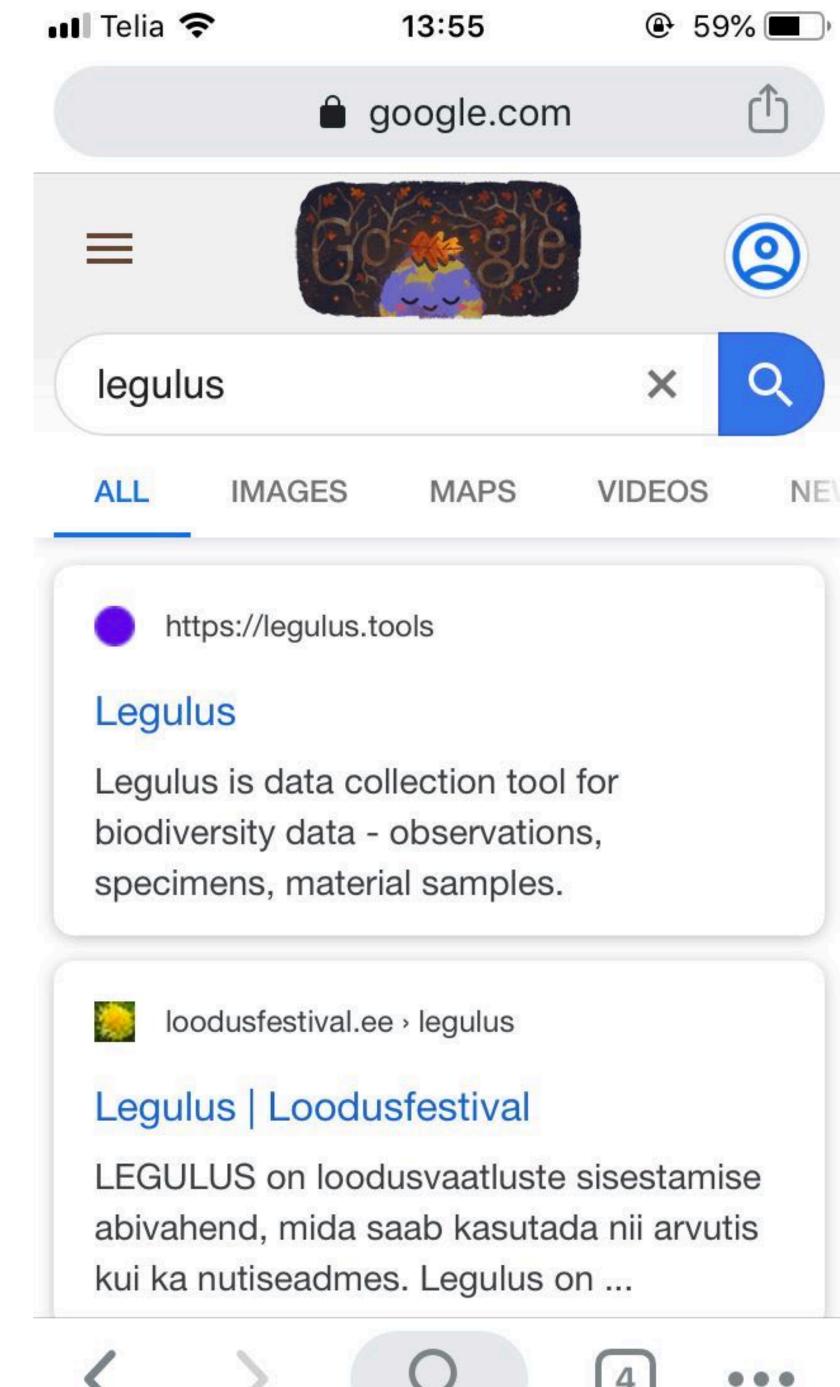
25. Feb 2020 at 10:35

CANCEL

NEW

SAVE

Open web browser







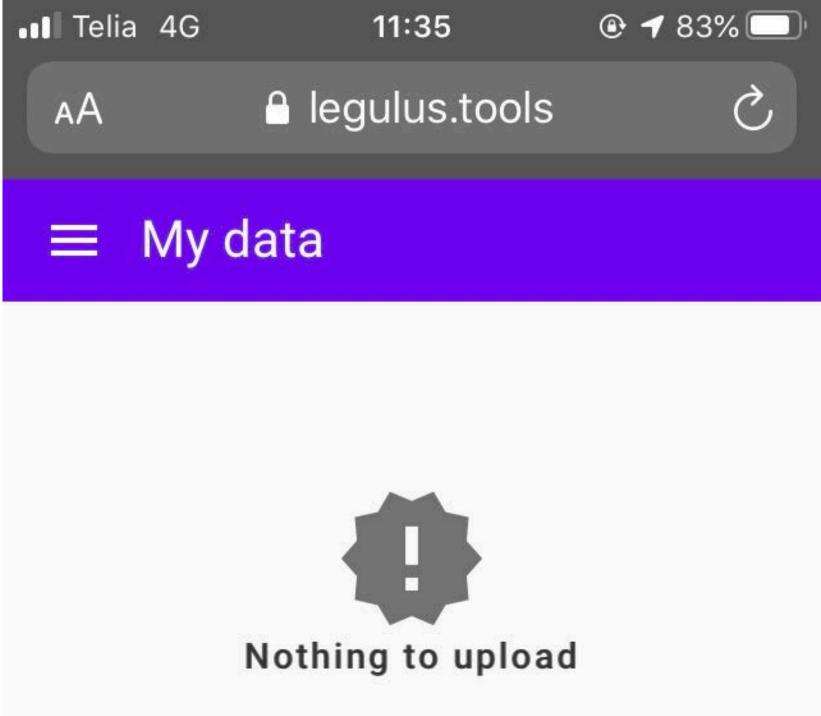






Open web browser

Insert address https://legulus.tools



Collected data will appear here.

Add data by pressing button below.



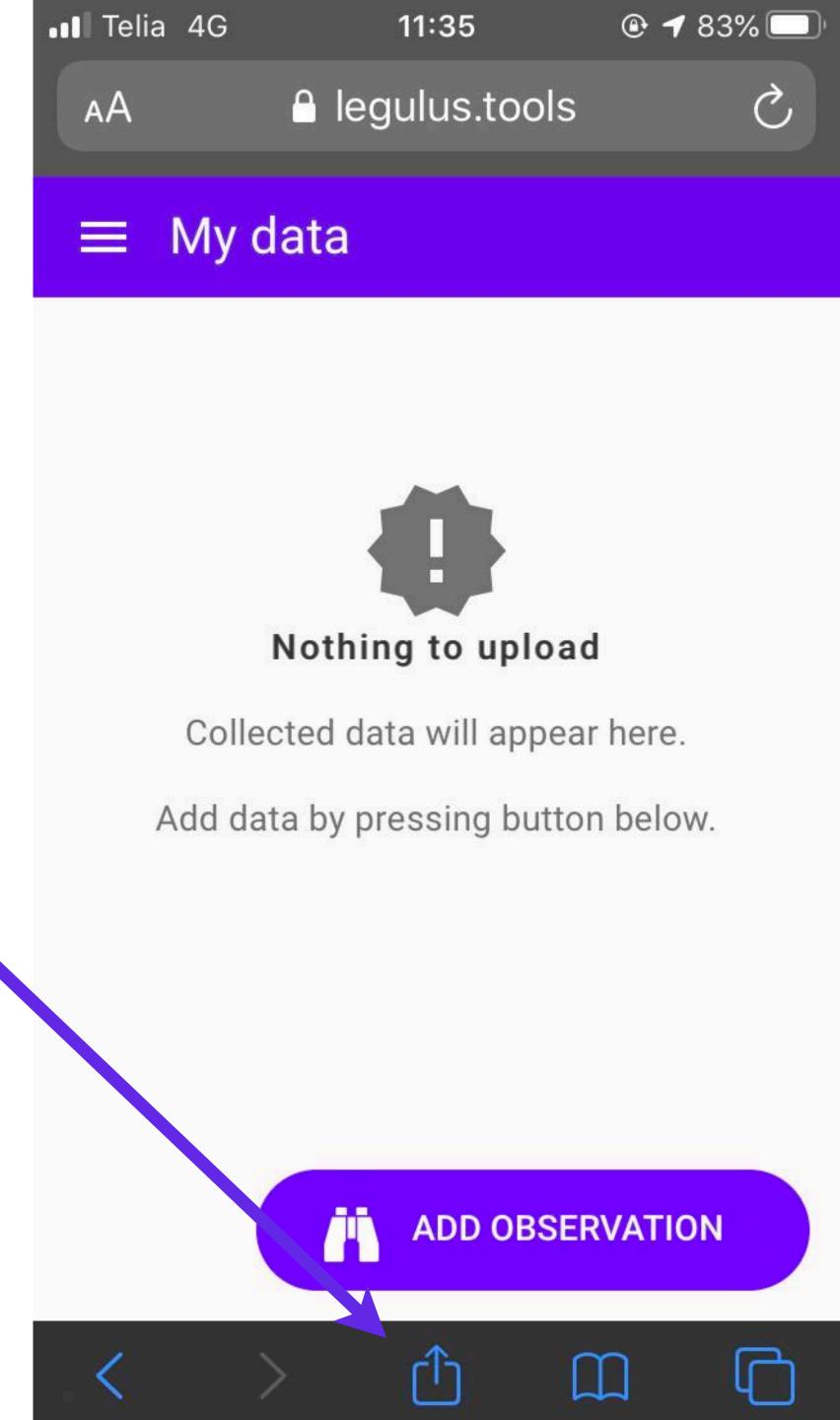






Open web browser
Insert address <u>https://legulus.tools</u>

Save shortcut to Home Screen



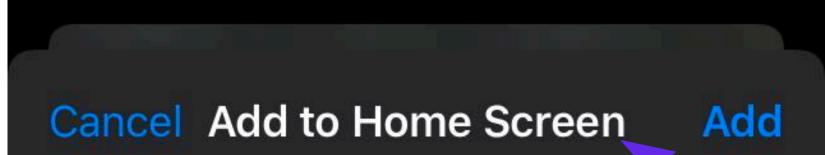
Open web browser
Insert address <u>https://legulus.tools</u>

Save shortcut to Home Screen

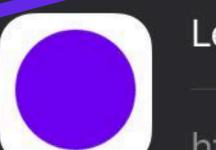


Open web browser
Insert address <u>https://legulus.tools</u>

Save shortcut to Home Screen



11:33



•• Telia 4G

Legulus

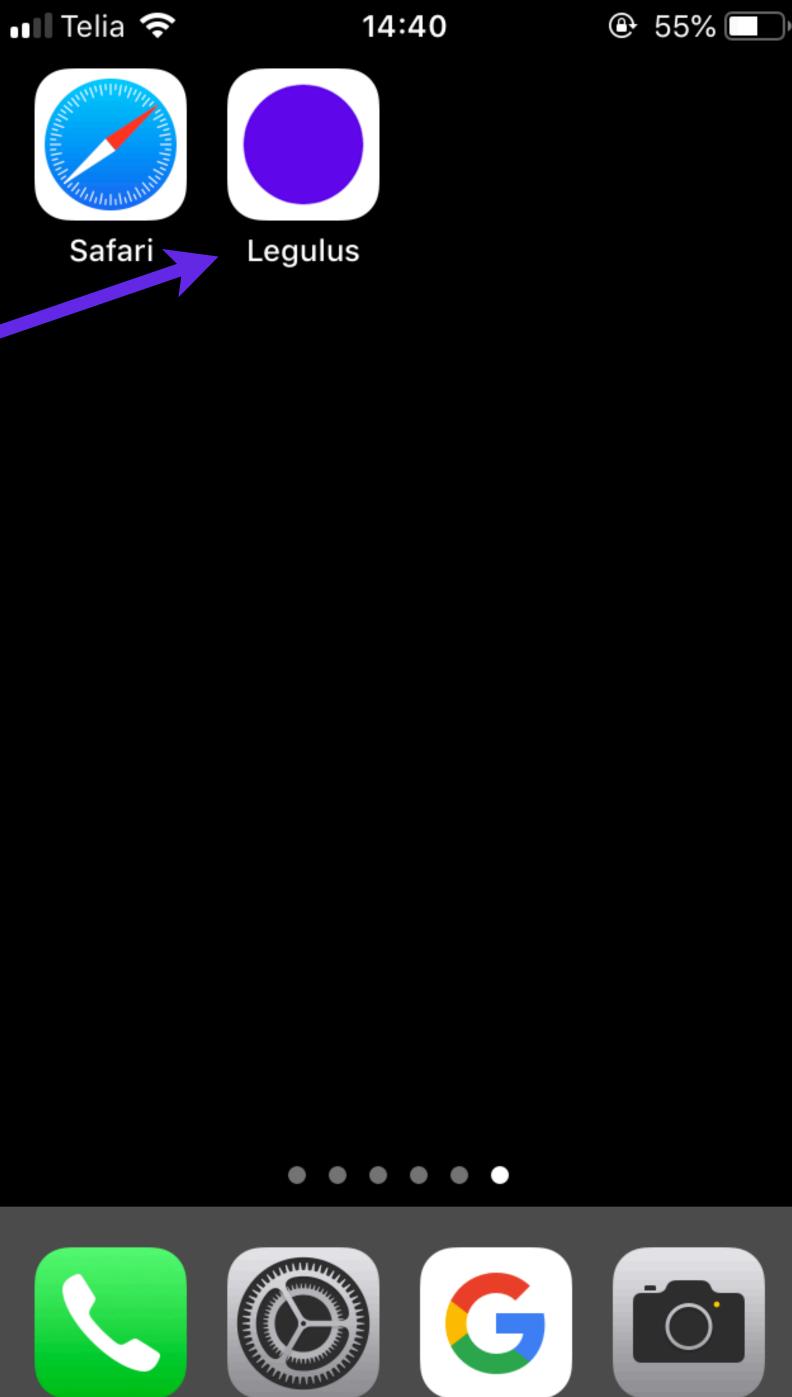
https://legulus.tools/#/?utm_...

● 1 83% □

An icon will be added to your Home screen so you can quickly access this website.

Open web browser Insert address https://legulus.tools

Save shortcut to Home Screen





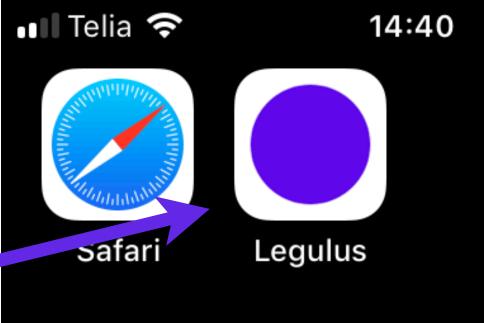






Open application

Open application from Home Screen











⊕ 55% □

Open menu

(Upon registration, a PlutoF platform user account will be created. If you already have a PlutoF account, you should not create a new one. Please use an existing one.)



• Telia 4G

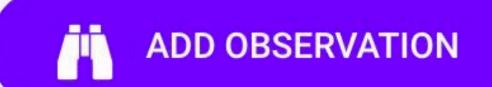


11:15

● ▼ 86% □

Collected data will appear here.

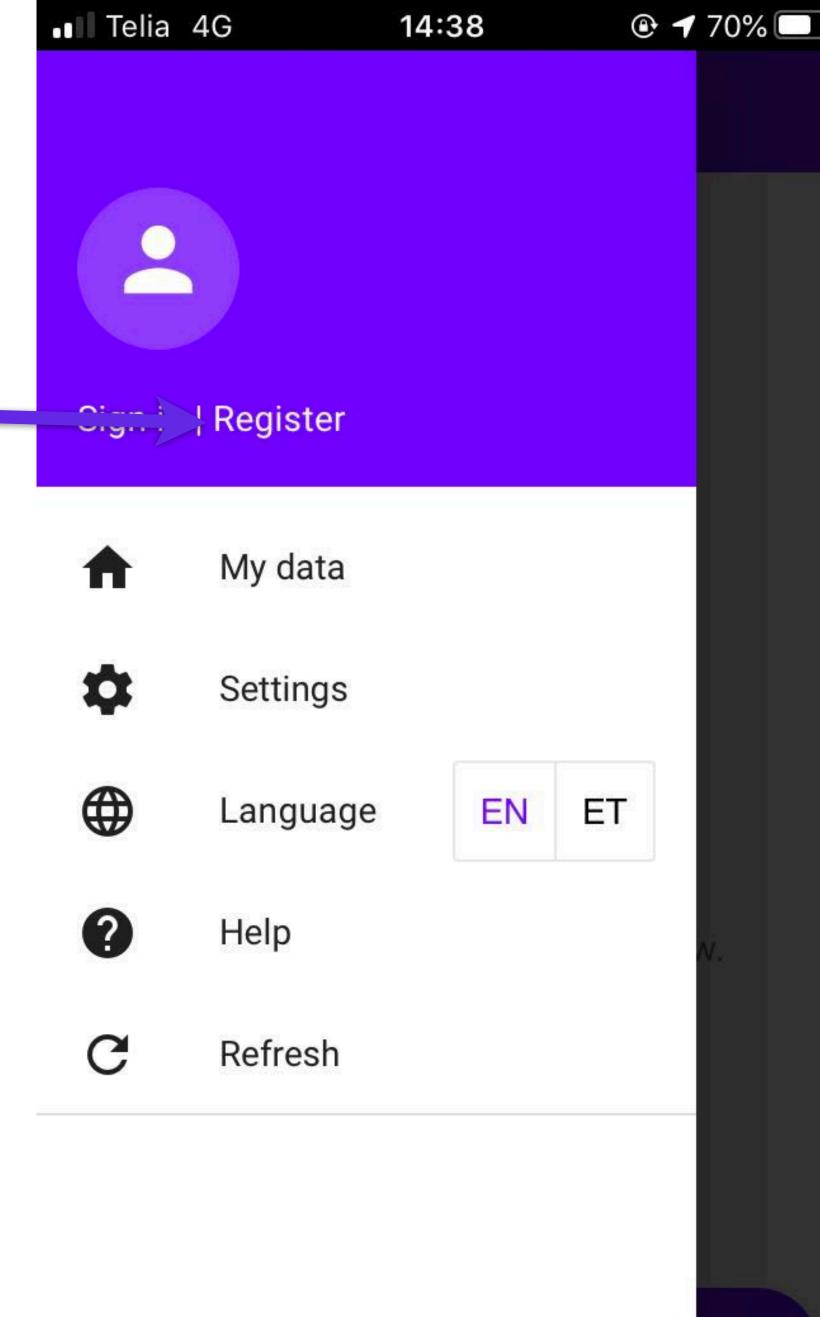
Add data by pressing button below.



Open menu

Open the registration form

(Upon registration, a PlutoF platform user account will be created. If you already have a PlutoF account, you should not create a new one. Please use an existing one.)



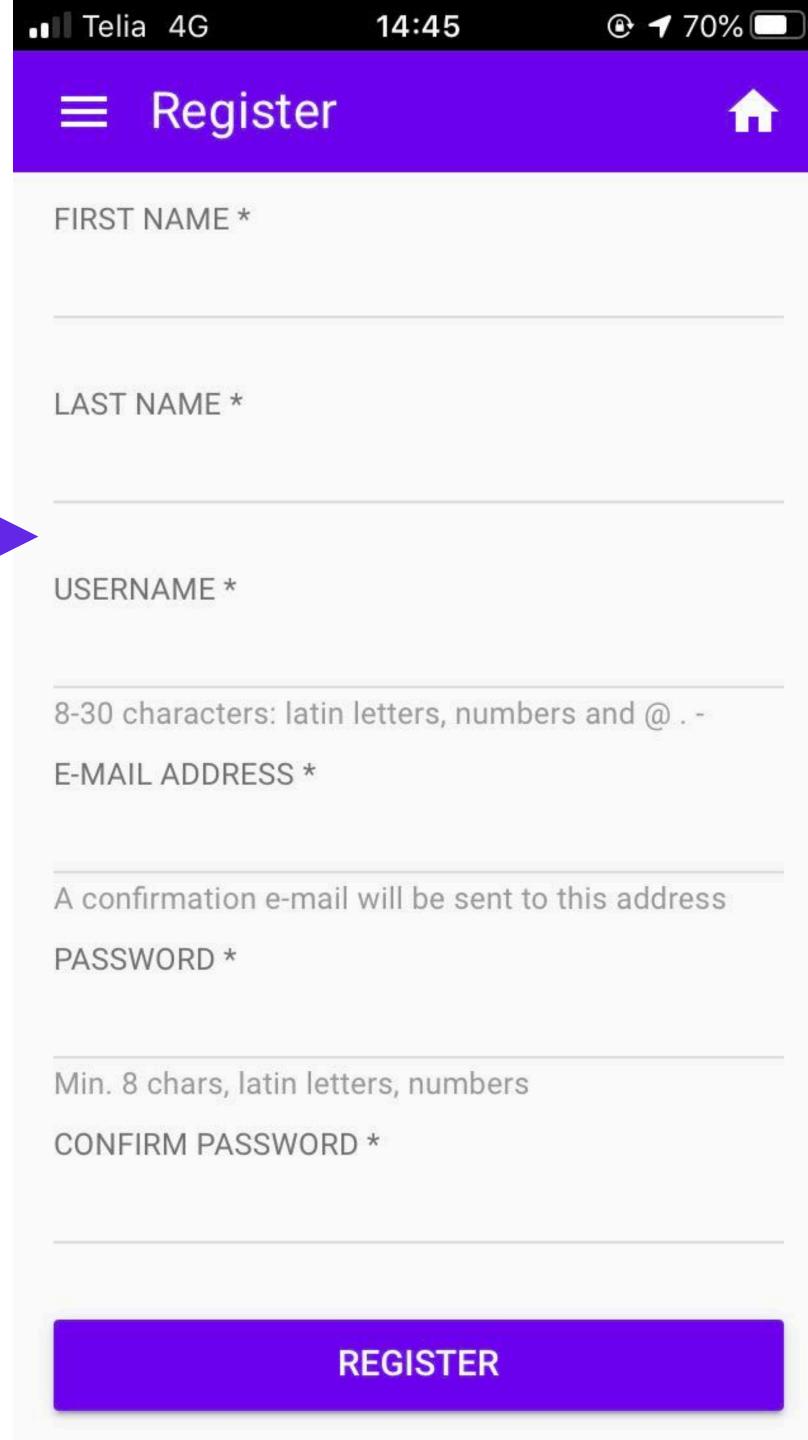
Version: 17.01.2020 10:25

d460082 (live)

Open menu
Open the registration form

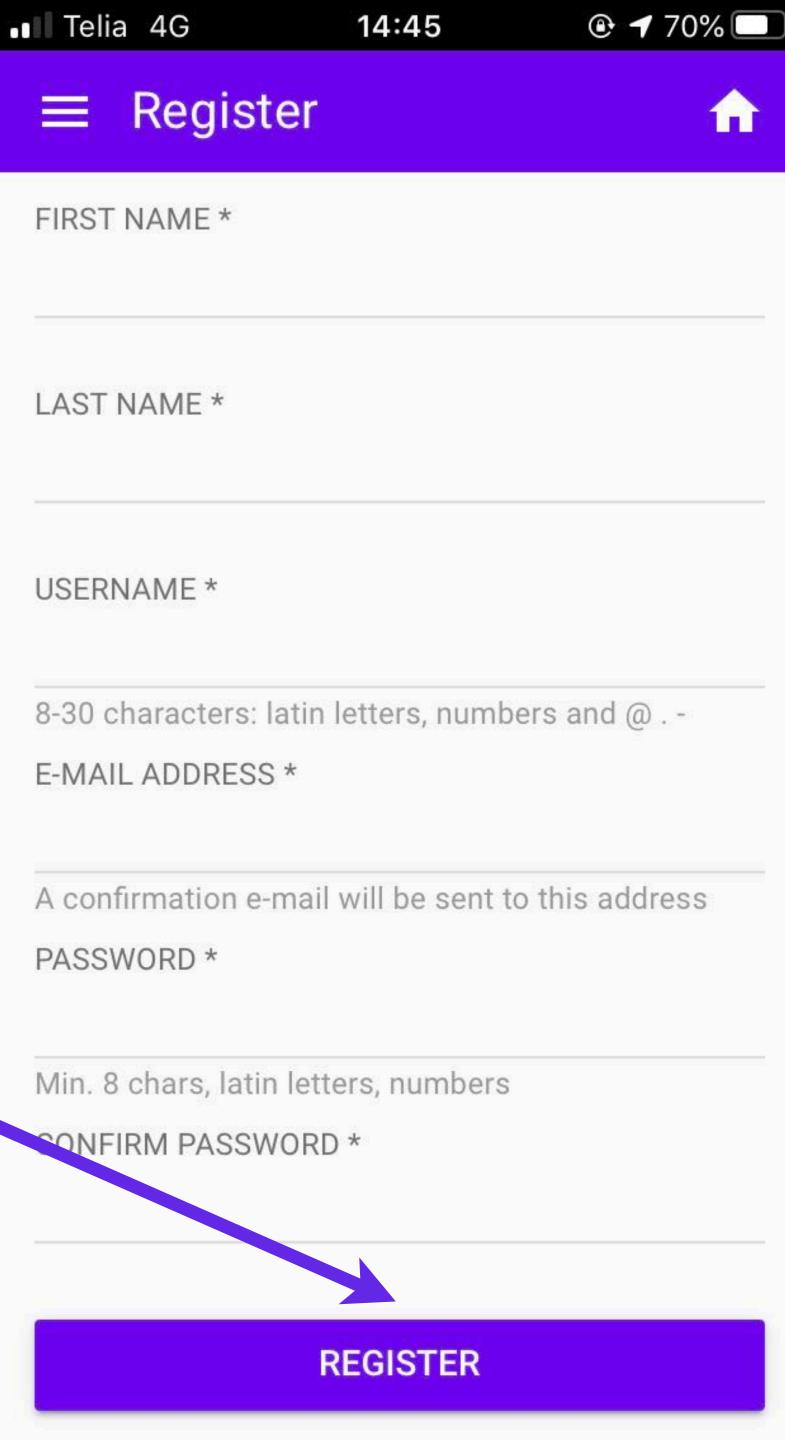
Entering user information and creating an account

(Correct information should be entered. The email address will be verified. NB! Duplicate and fake accounts are deleted by system administrators.)



Open menu
Open the registration form
Entering user information and creating an account

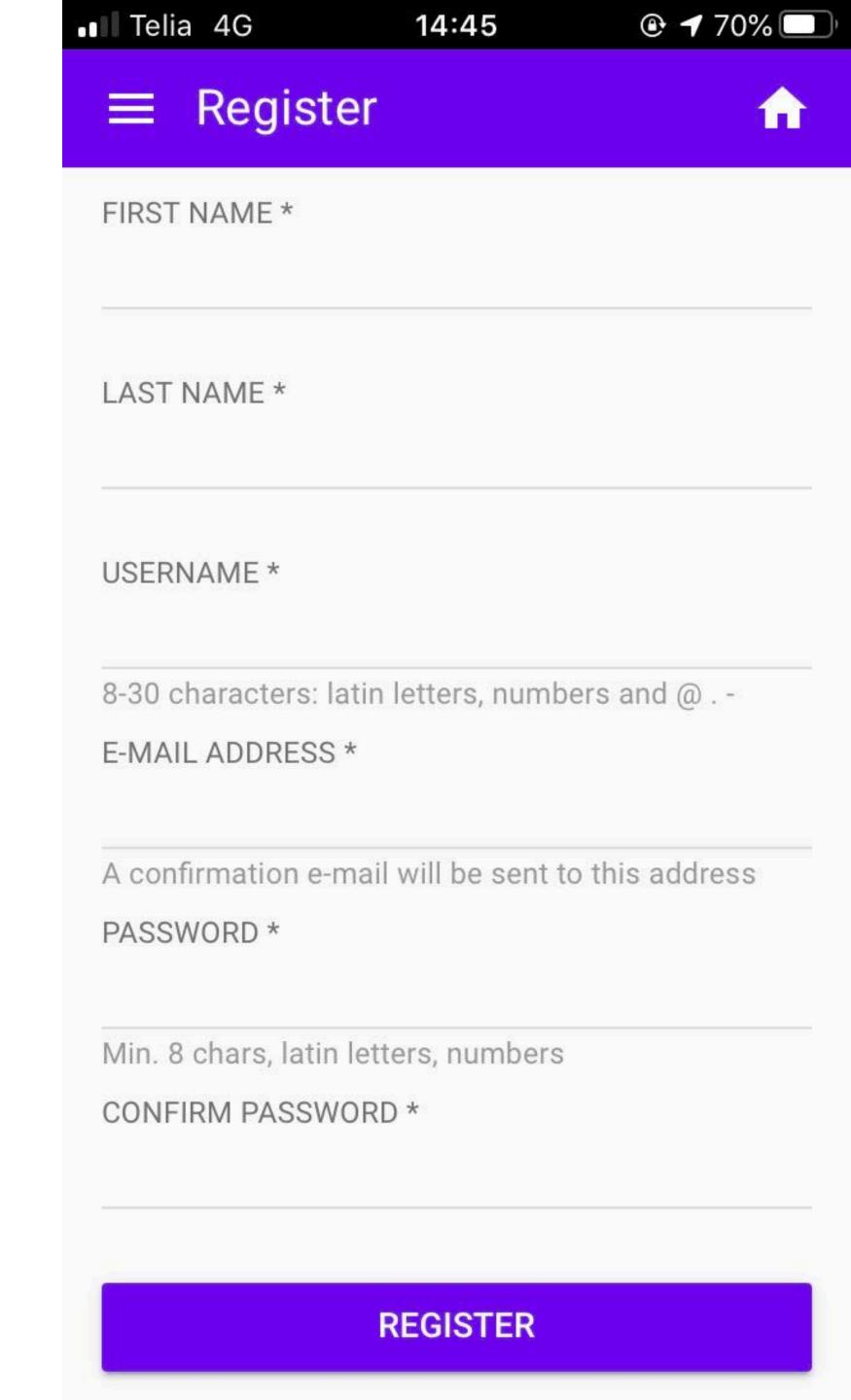
Create an account



Open menu
Open the registration form
Entering user information and creating an account
Create an account

A message has been sent to the user's email address containing the verification link.

(The user must be sure to click on the link before logging in. Otherwise, the user account will not be opened.)



Sign in

Open the menu

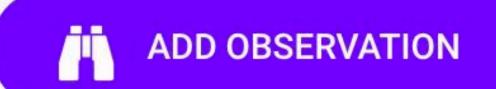






Collected data will appear here.

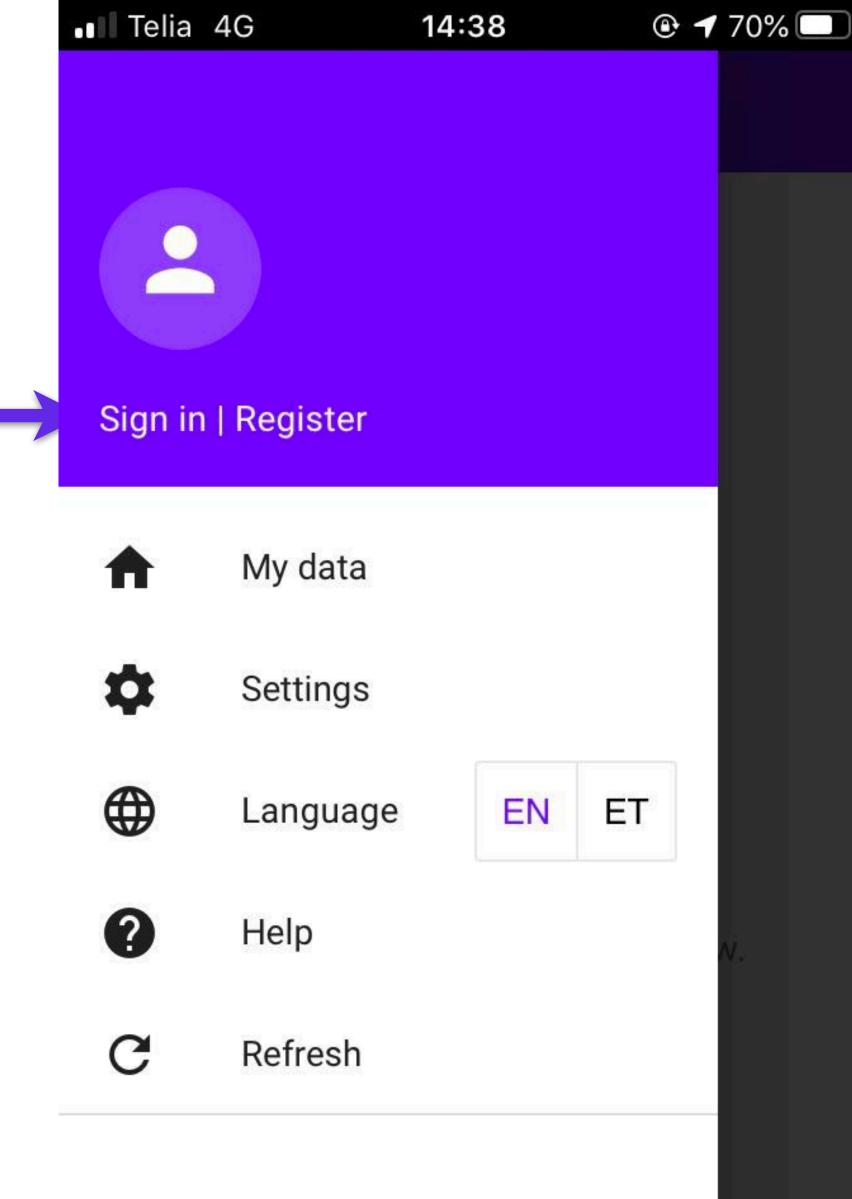
Add data by pressing button below.



Sign in

Open the menu

Open the login form •



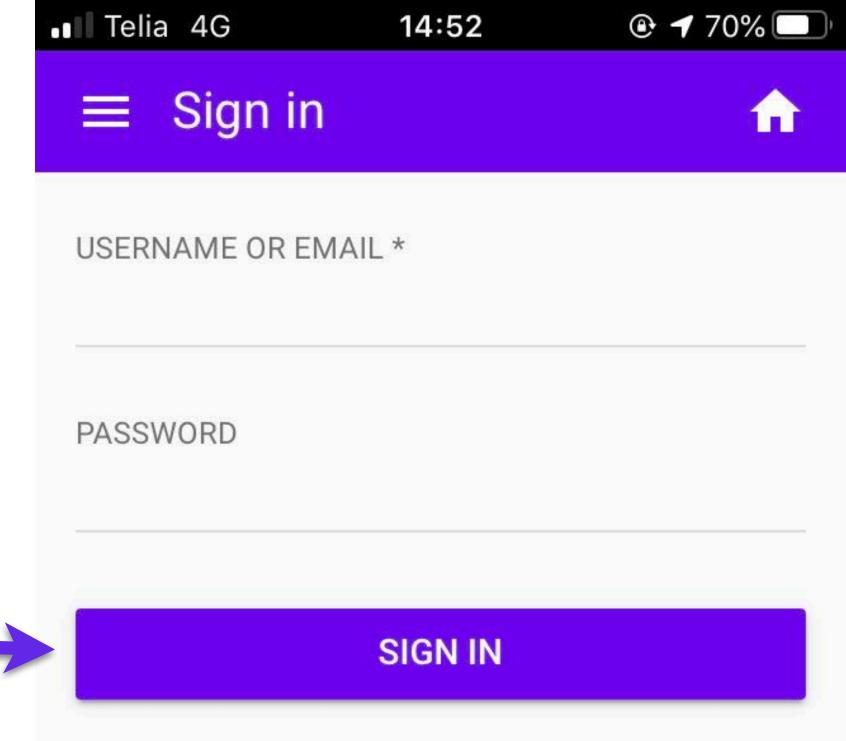
Version: 17.01.2020 10:25

d460082 (live)

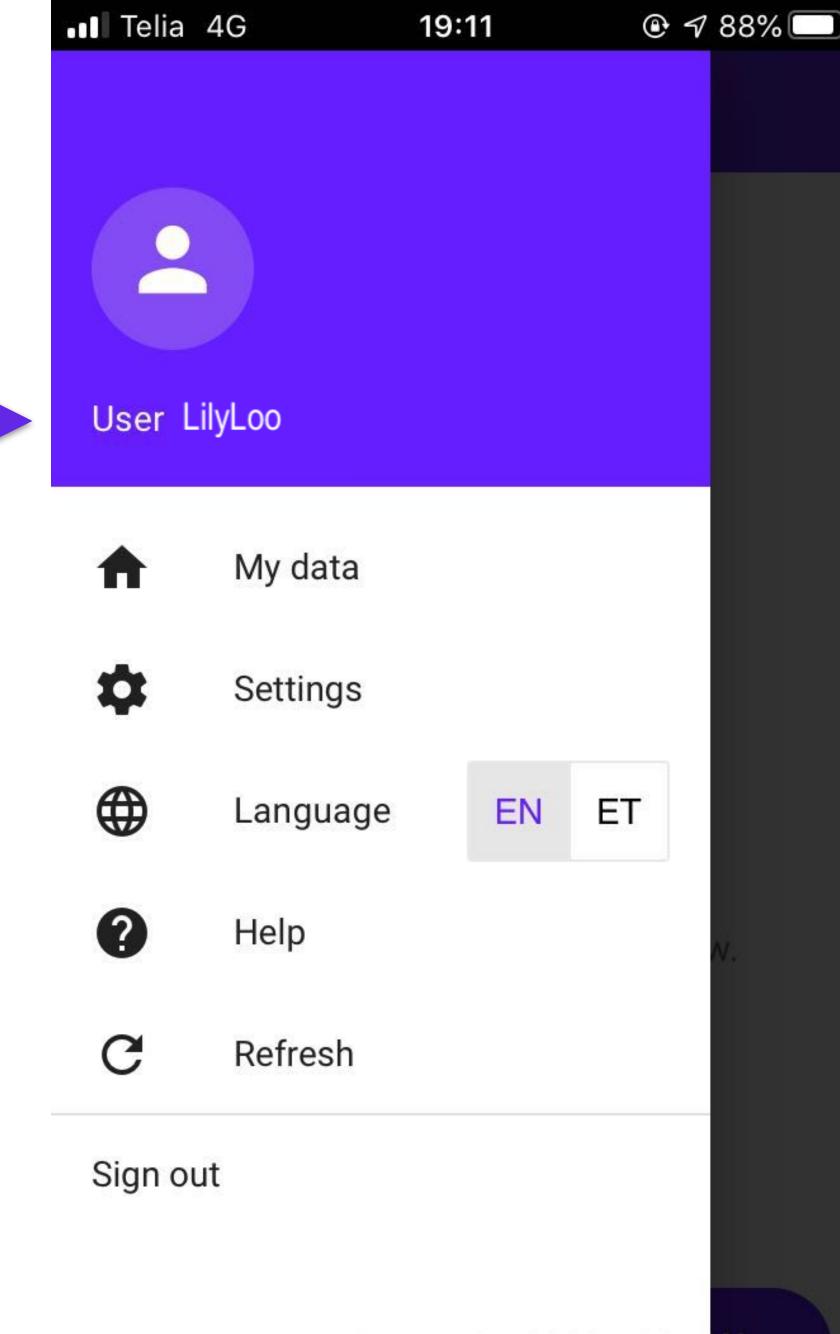
Sign in

Open the menu
Open the login form

Fill in your username / password and sign in



The user is logged in when they see their username in the menu

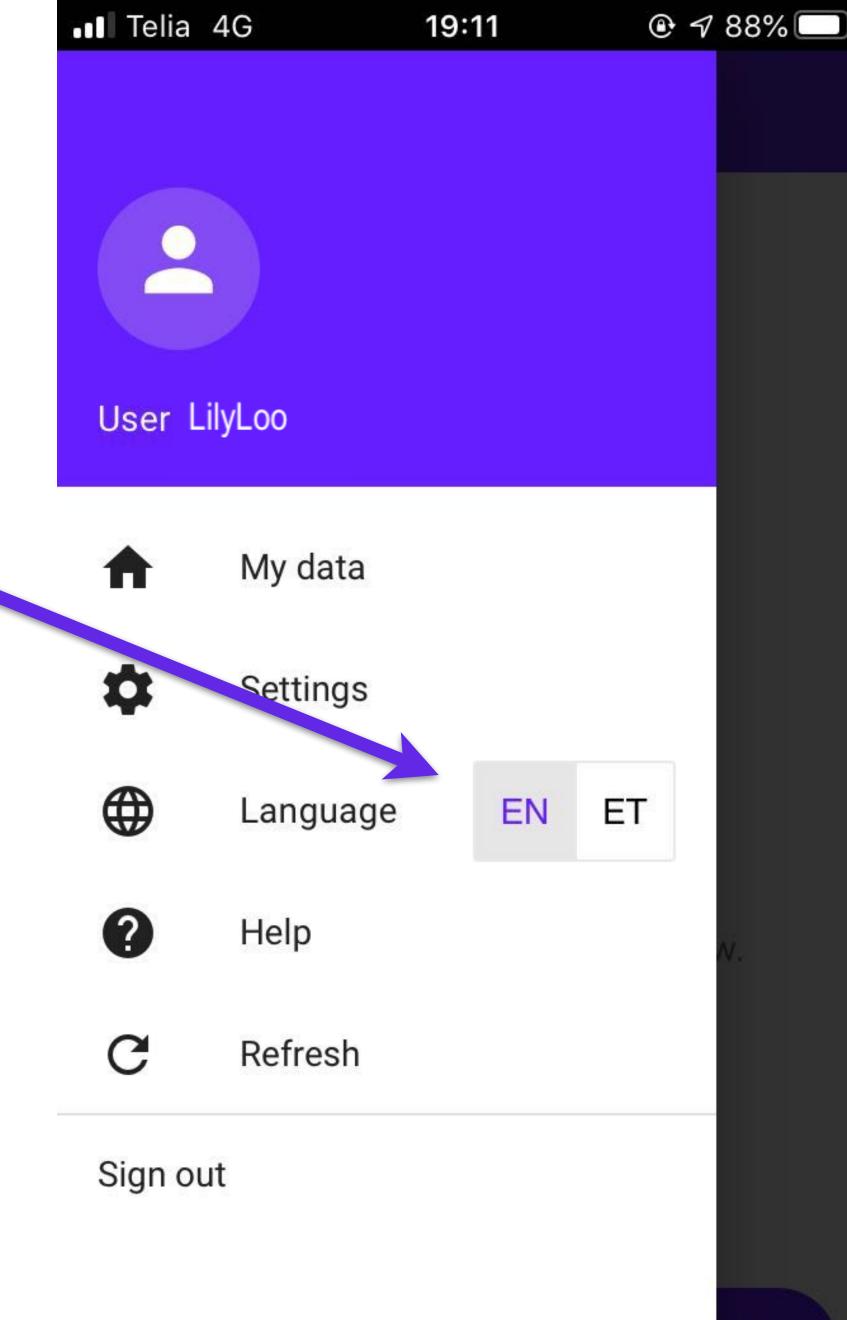


Version: 17.01.2020 10:25

d460082 (live)

The user is logged in when they see their username in the menu

Change the language of the application

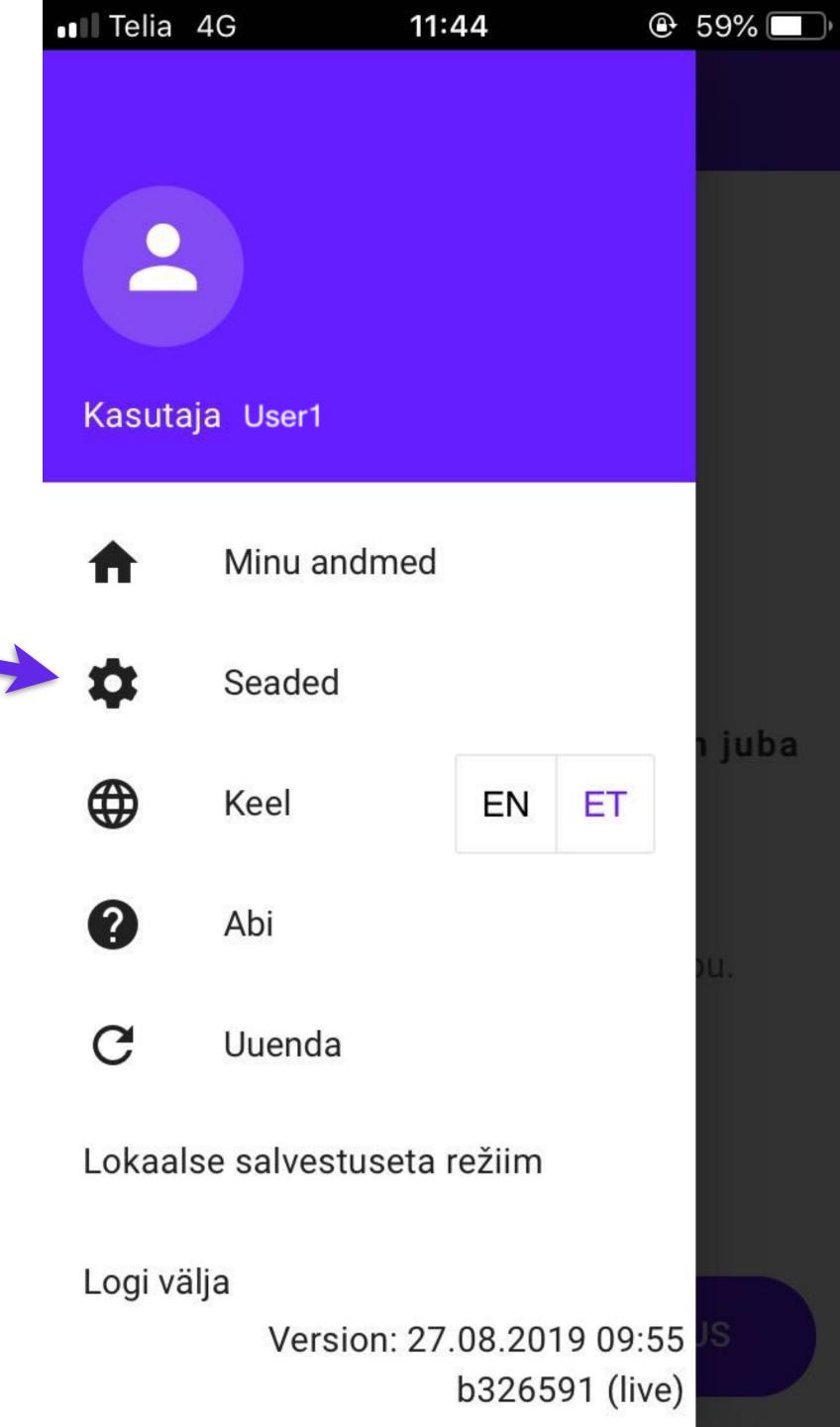


Version: 17.01.2020 10:25

d460082 (live)

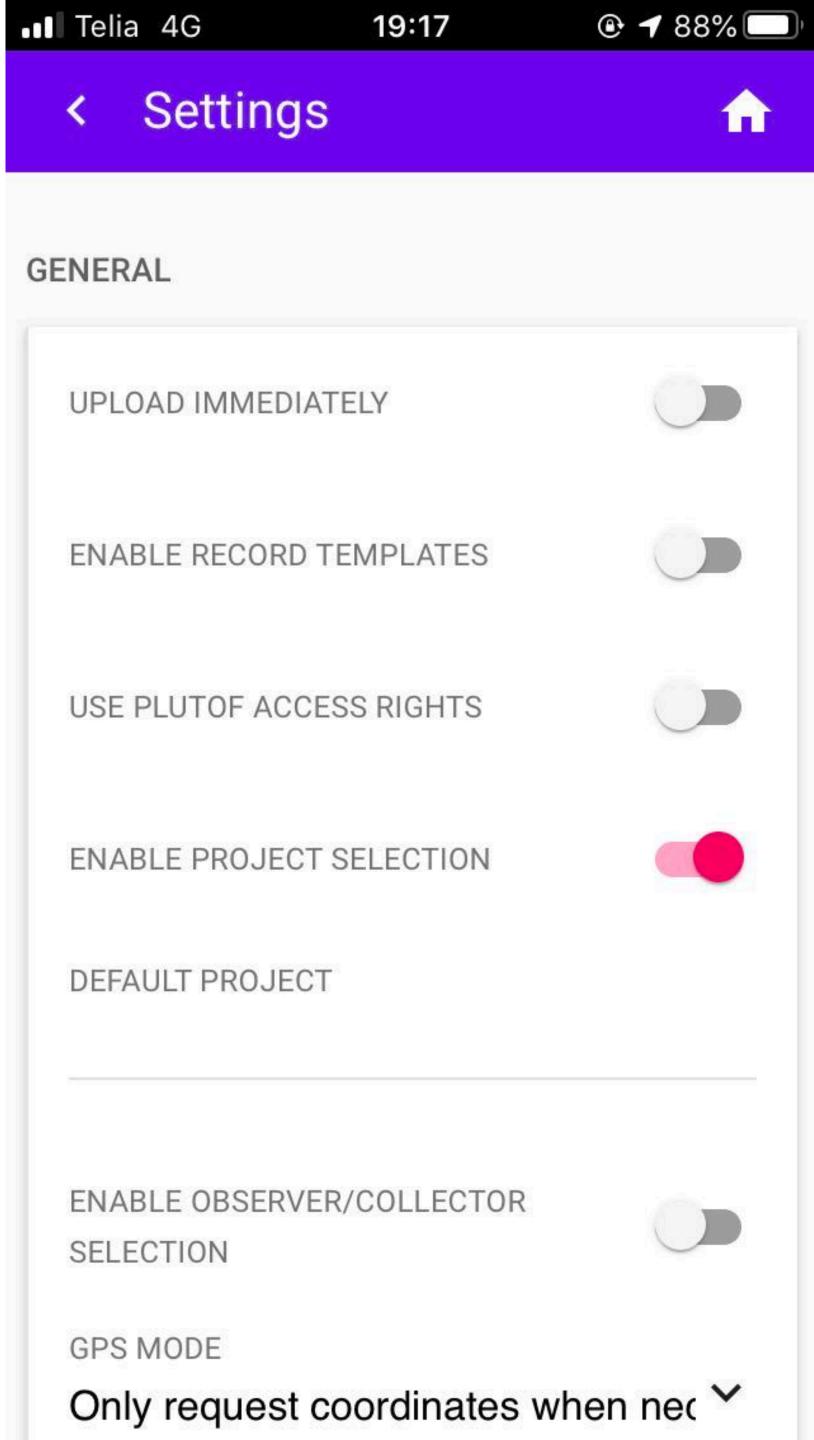
The user is logged in when they see their username in the menu
Change the language of the application

Access the application settings page



The user is logged in when they see their username in the menu
Change the language of the application
Access the application settings page

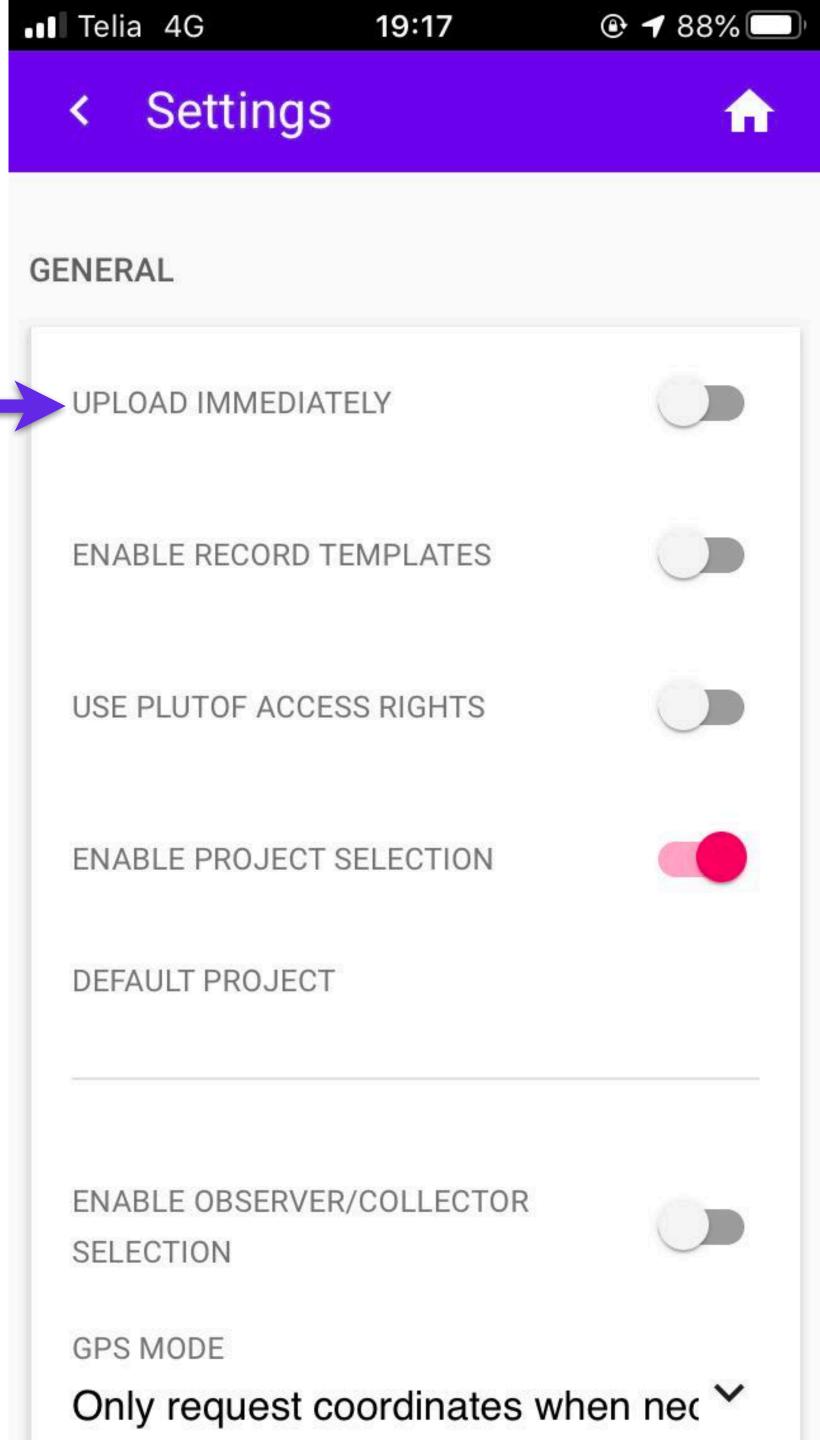
General application settings —



General Settings - Upload

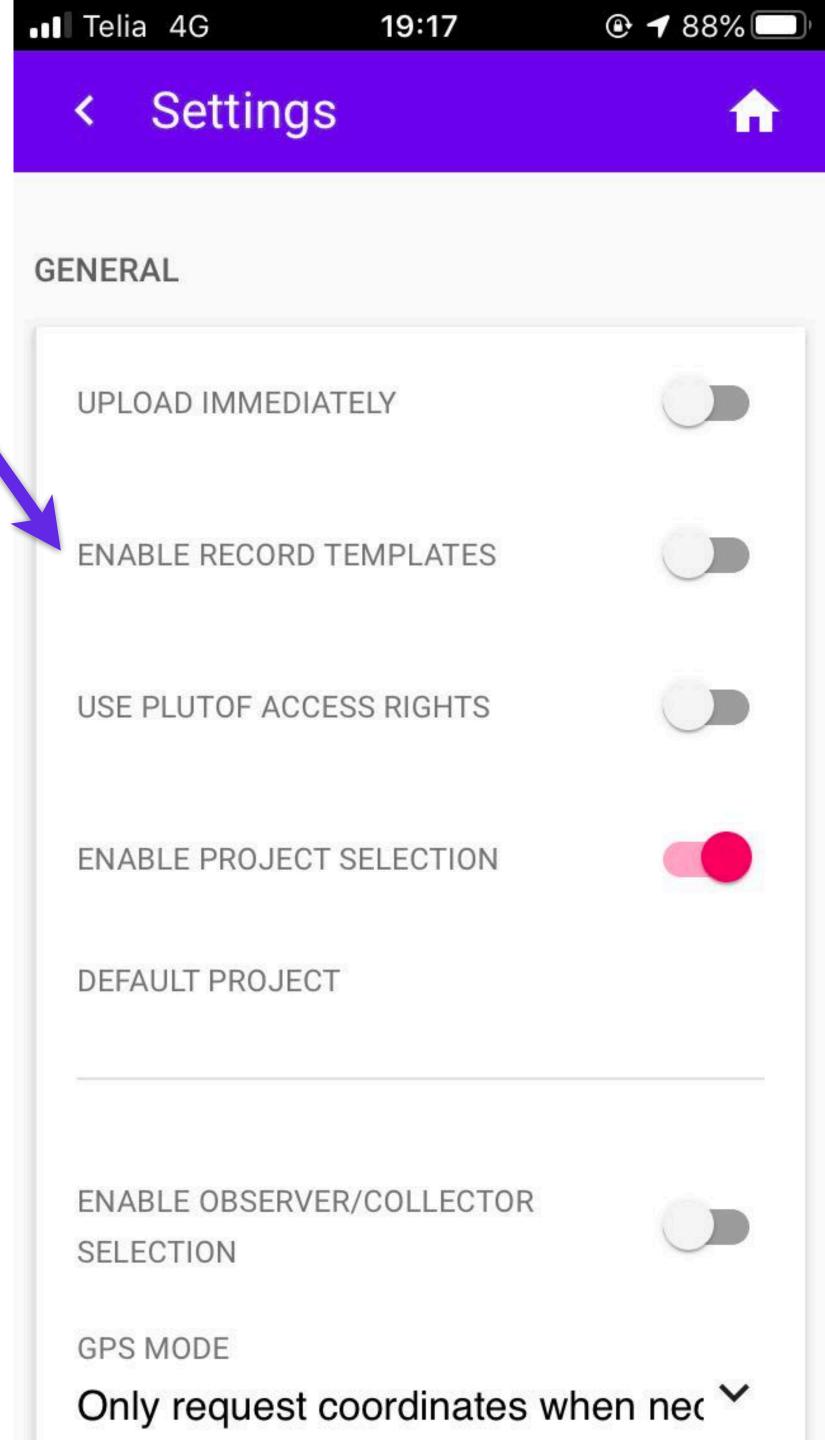
Observations and related images are automatically sent to the PlutoF desktop after saving

(This option is used when there is not enough room on the user's phone to hold video or multi-image observation.)

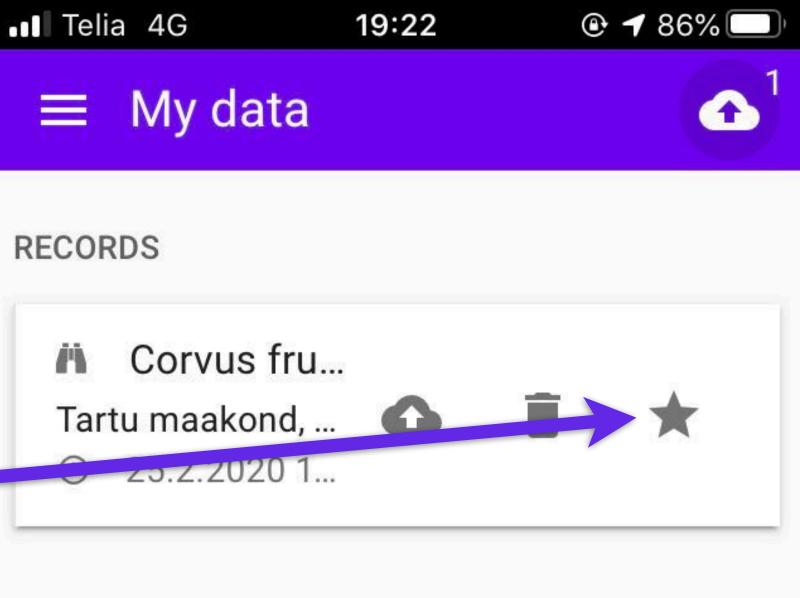


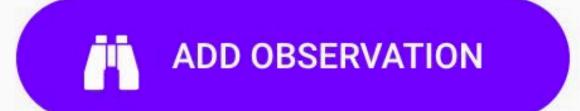
An observation saved in Legulus (but not yet sent to PlutoF) can be marked as a template

(*Advanced option. Choosing a template is useful if you want to enter multiple observations in the same location. Only the content of the taxon / species field should be changed.)



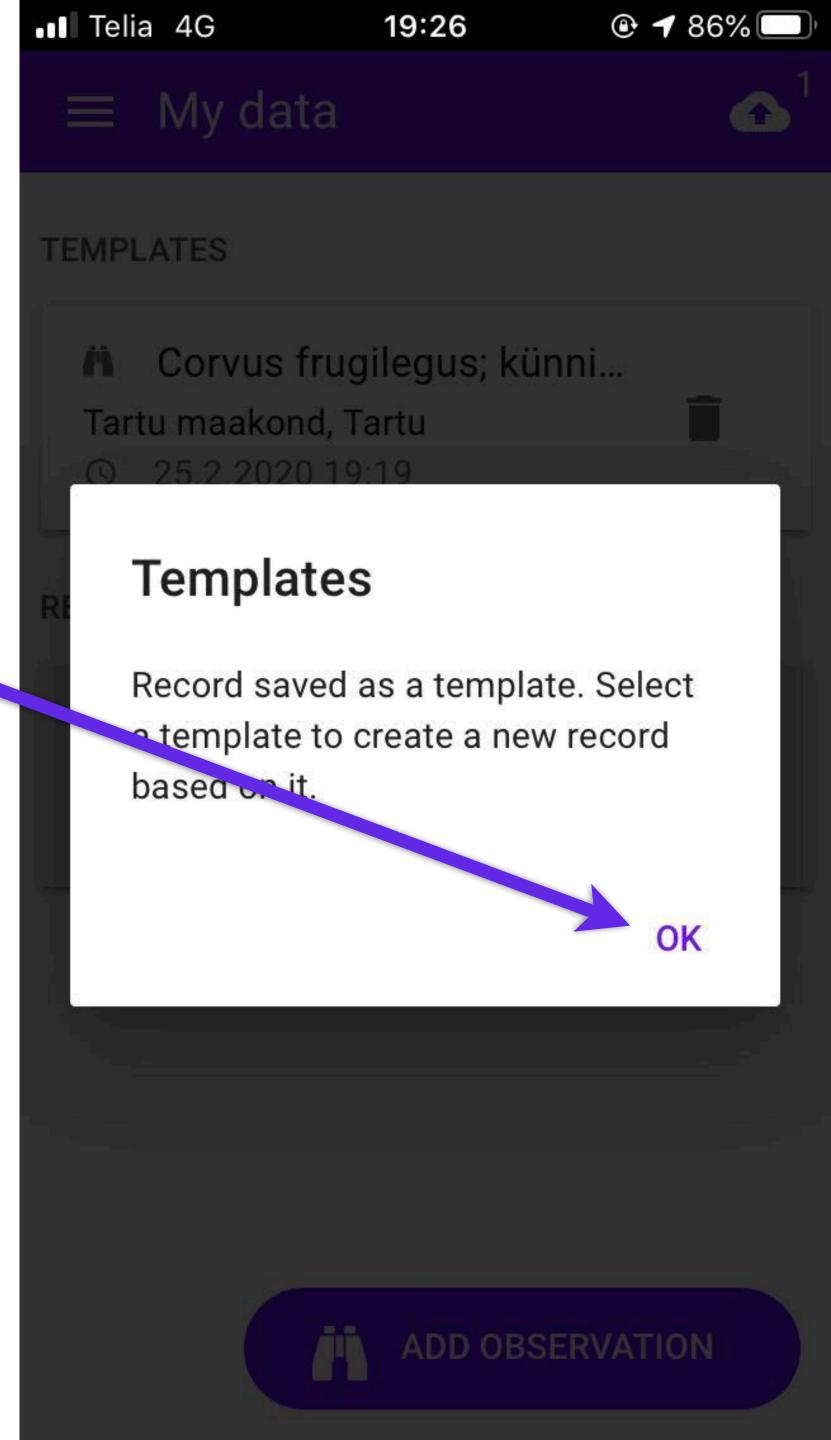
An observation saved in Legulus (but not yet sent to PlutoF) can be marked as a template Mark observation as a template





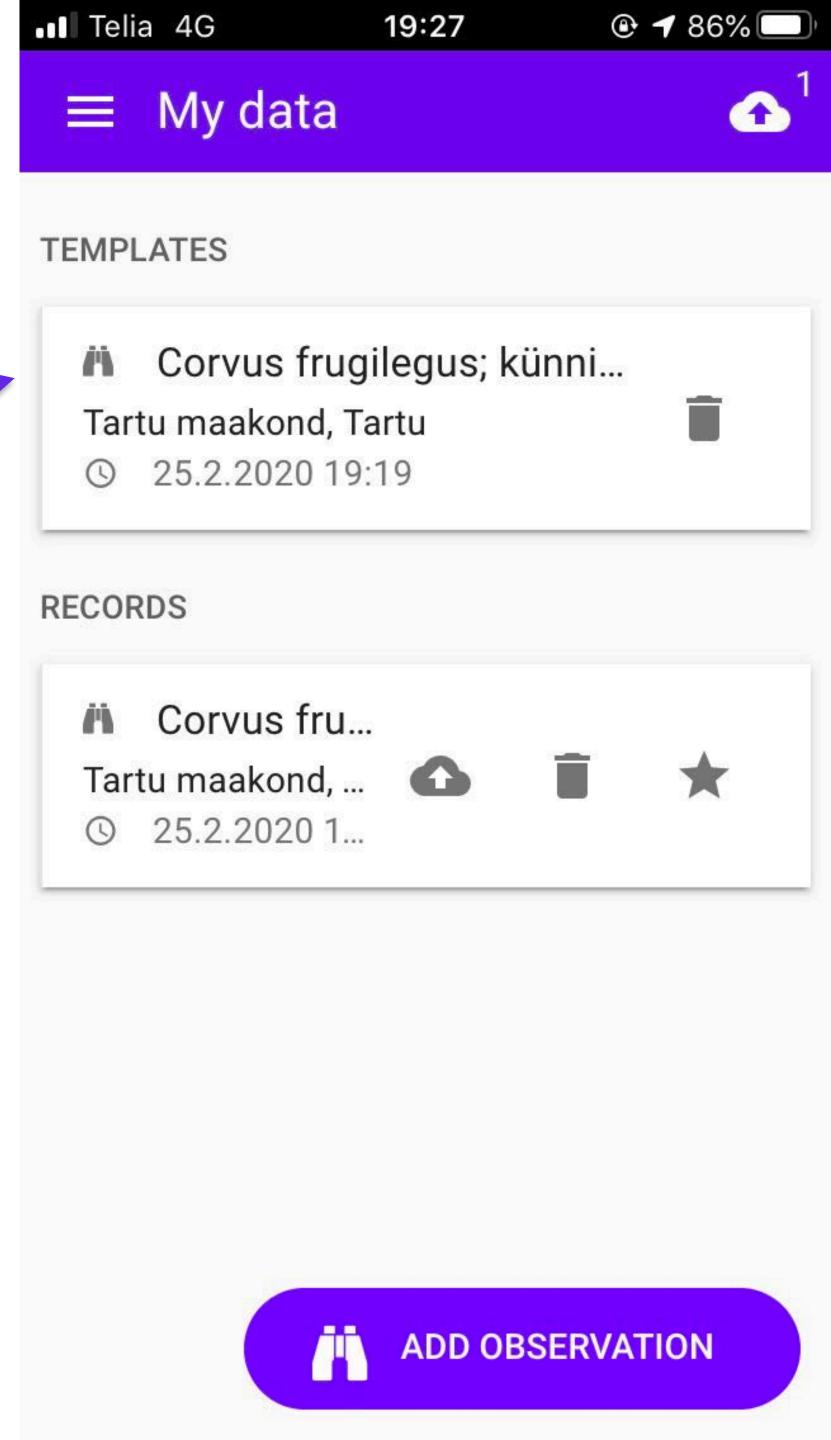
An observation saved in Legulus (but not yet sent to PlutoF) can be marked as a template

Mark observation as a template



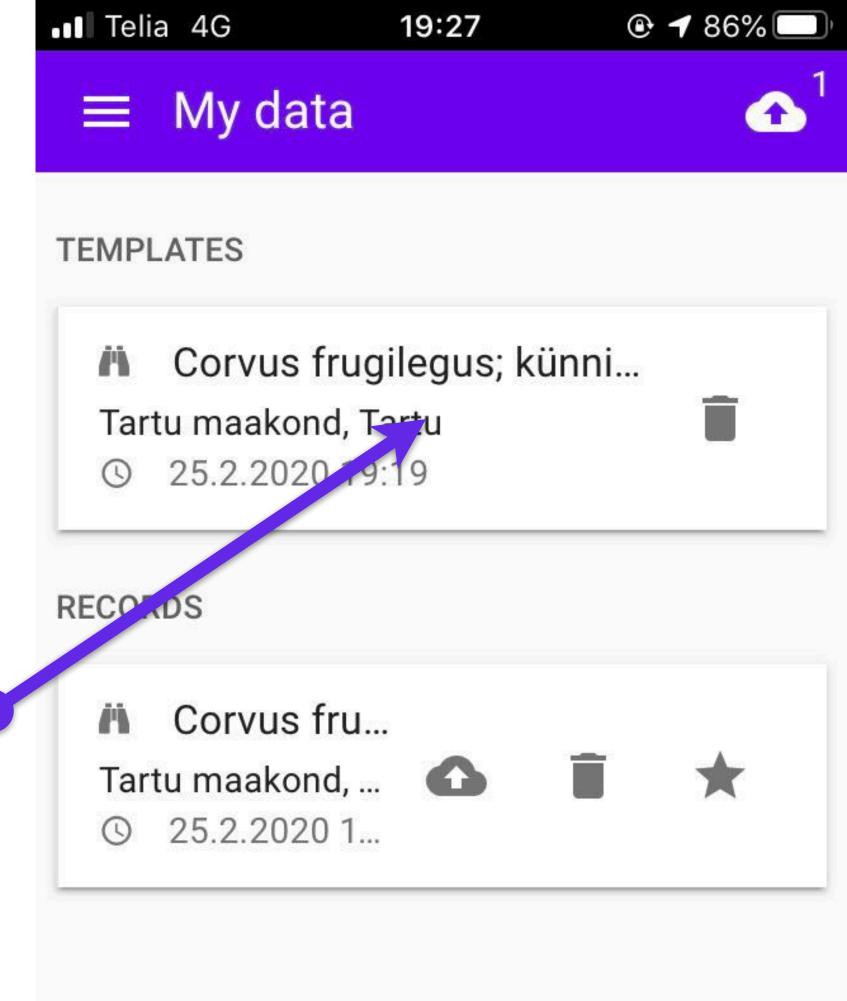
An observation saved in Legulus (but not yet sent to PlutoF) can be marked as a template Mark observation as a template

Template created •



An observation saved in Legulus (but not yet sent to PlutoF) can be marked as a template Mark observation as a template
Template created

Create a new observation from the template

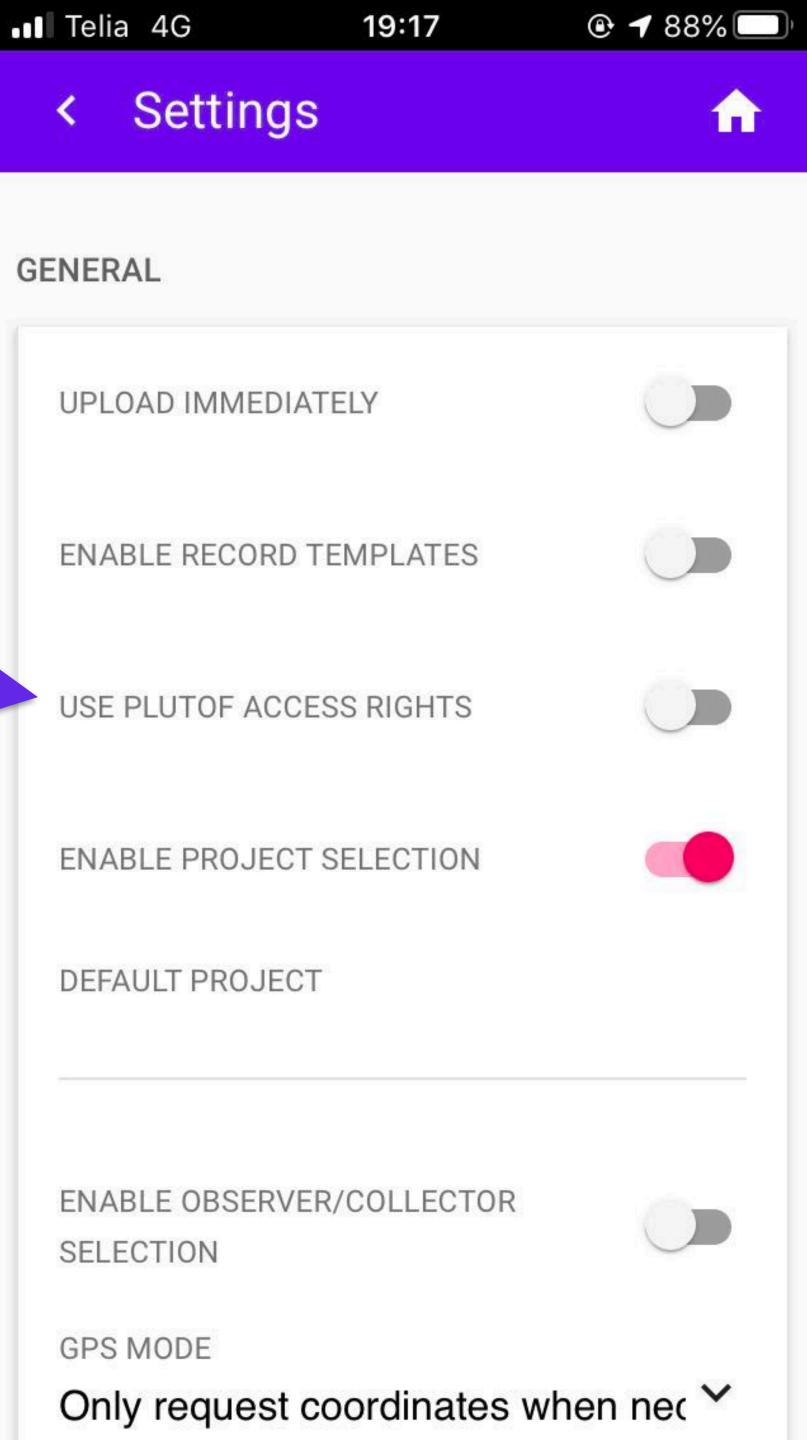




General Settings - Access Rights

This option allows user to assign special permissions to the entries (private, visible to the group, etc.)

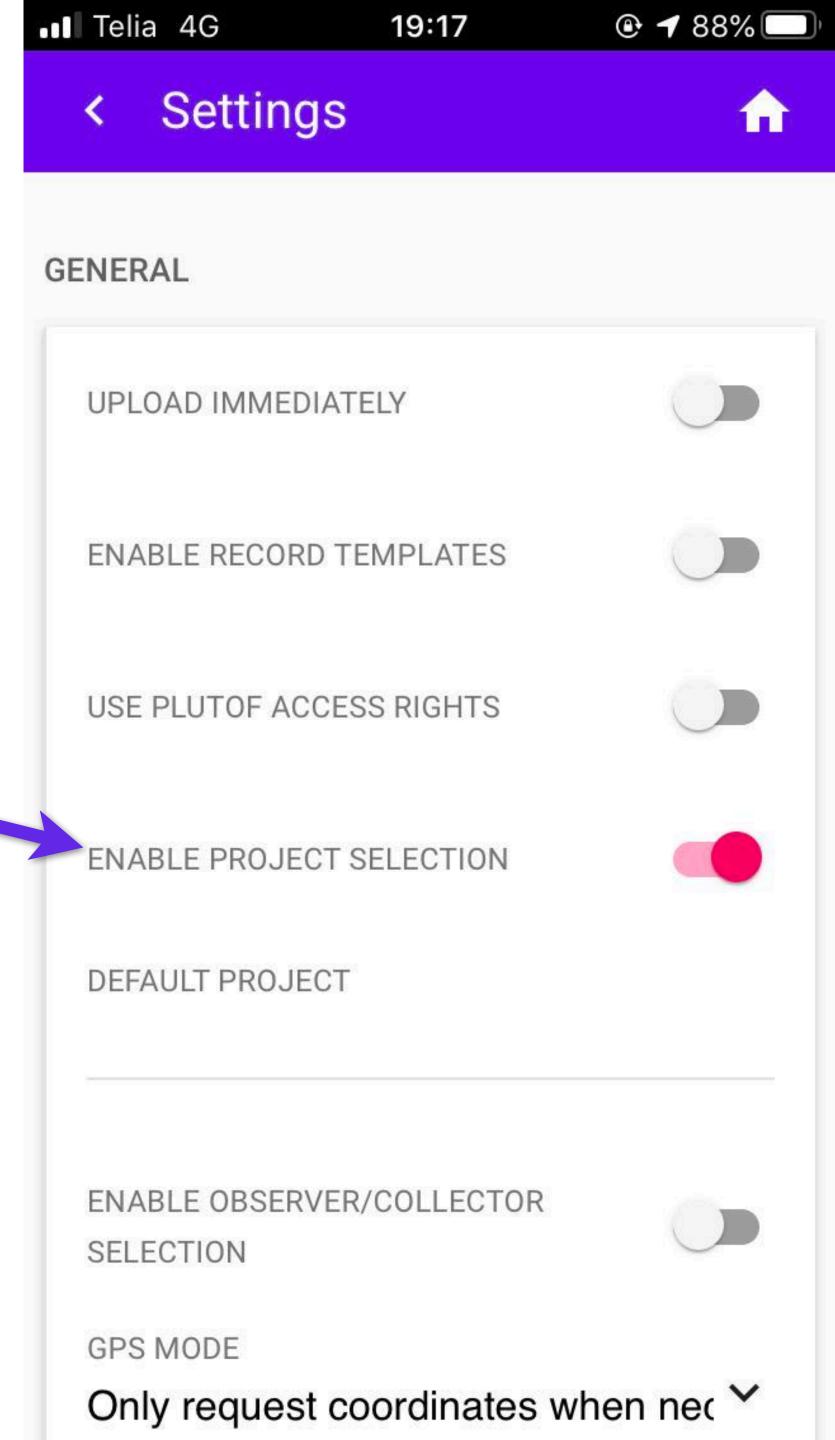
(*Advanced option. Assumes that more complex permissions are pre-configured in PlutoF.)



General Settings - project selection

"Enable project selection" makes the project selection field visible in the observation input form

(*An important option when collecting data in a pre-planned joint project. Eg Loodusvaatluste maraton or UNESCO BSP projects.)

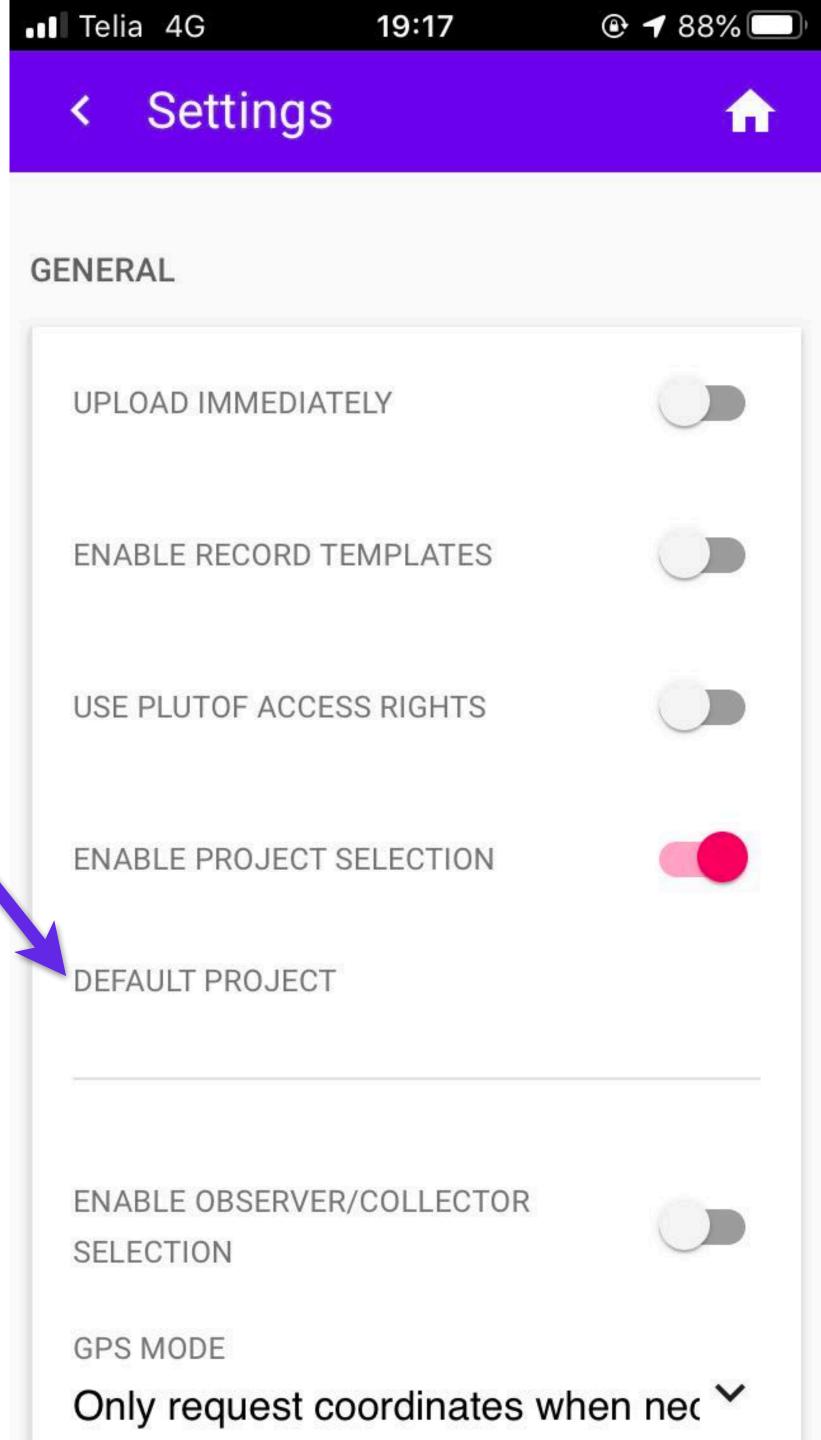


General Settings - default project

The "default project" should be used if you know in advance that you are entering all entries under one specific project. This field is used to find previously created projects in PlutoF

(Option enhances user comfort - avoids filling project field at every entry.

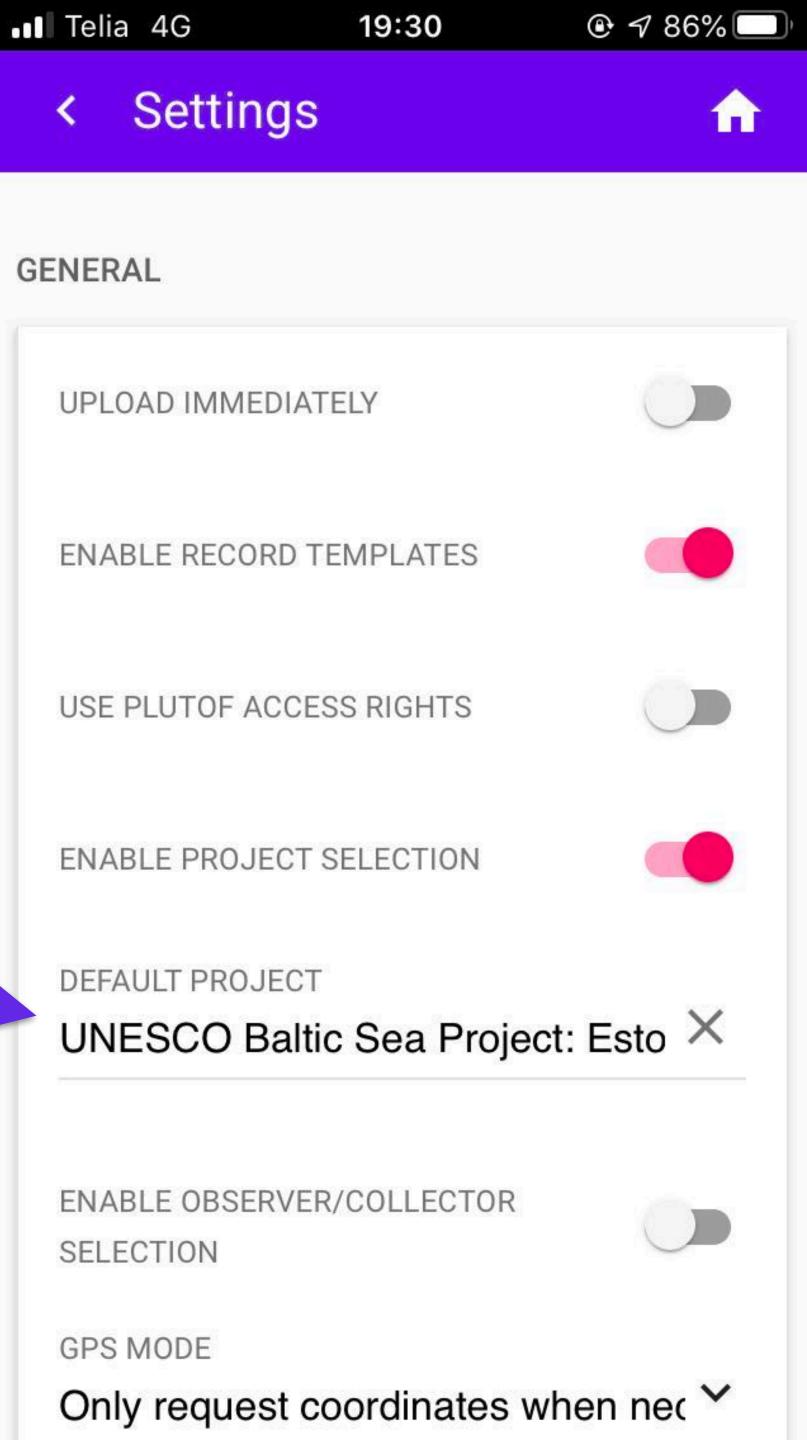
Data can only be added to a user's own project or to projects that allow linking.)



General Settings - default project

The "default project" should be used if you know in advance that you are entering all entries under one specific project. This field is used to find previously created projects in PlutoF

Default project is set

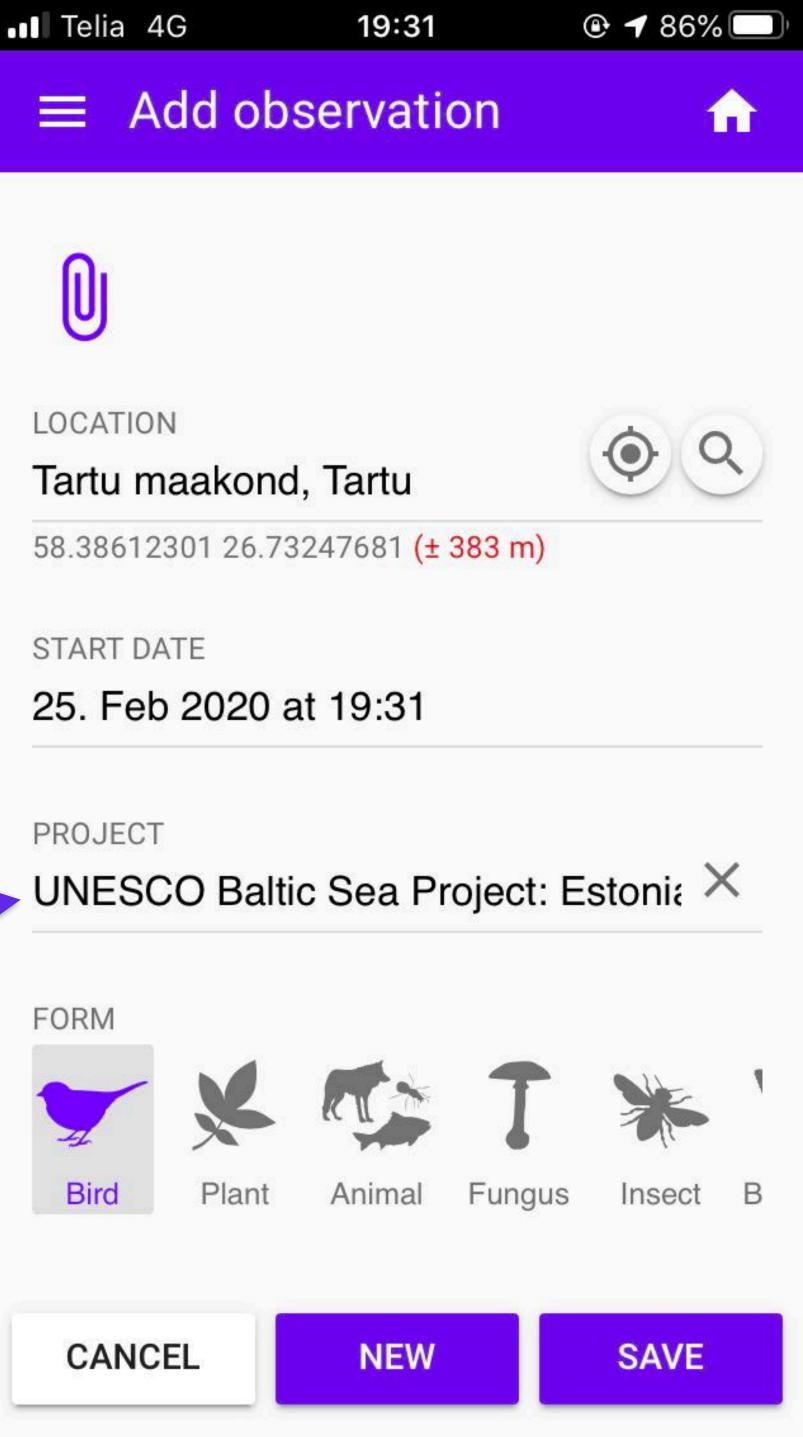


General Settings - default project

The "default project" should be used if you know in advance that you are entering all entries under one specific project. This field is used to find previously created projects in PlutoF

Default project is set

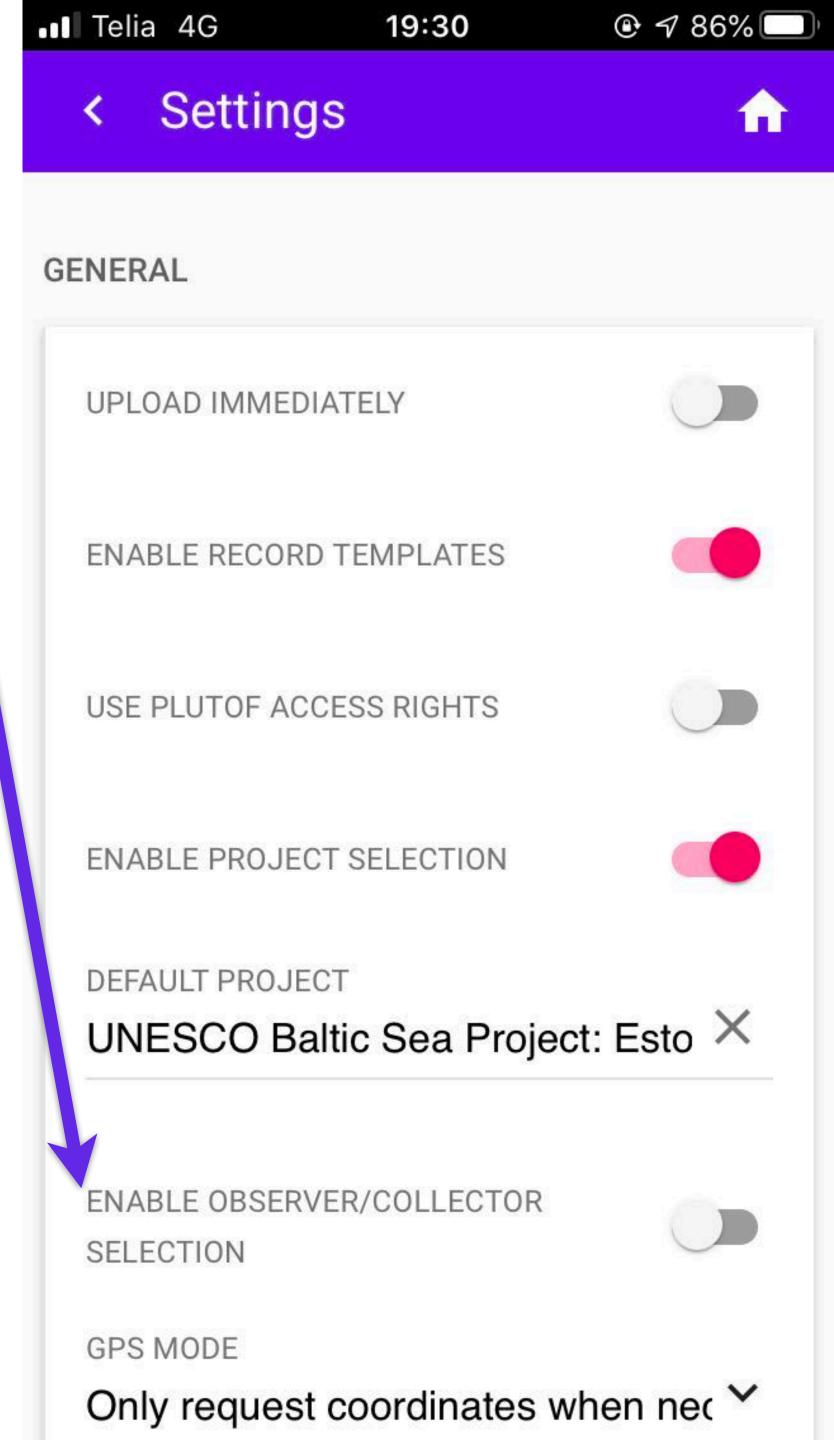
The project field is automatically pre-filled in the observation input form



General Settings - selection of observers

The "Enable observer/collector selection" option allows user to mark multiple individuals as observers when entering a nature observation.

(By default, the owner of PlutoF user account is marked as a observer. Users don't have to fill in this field every time they add observation. If multiple observers are to be entered then the option should be enabled.)

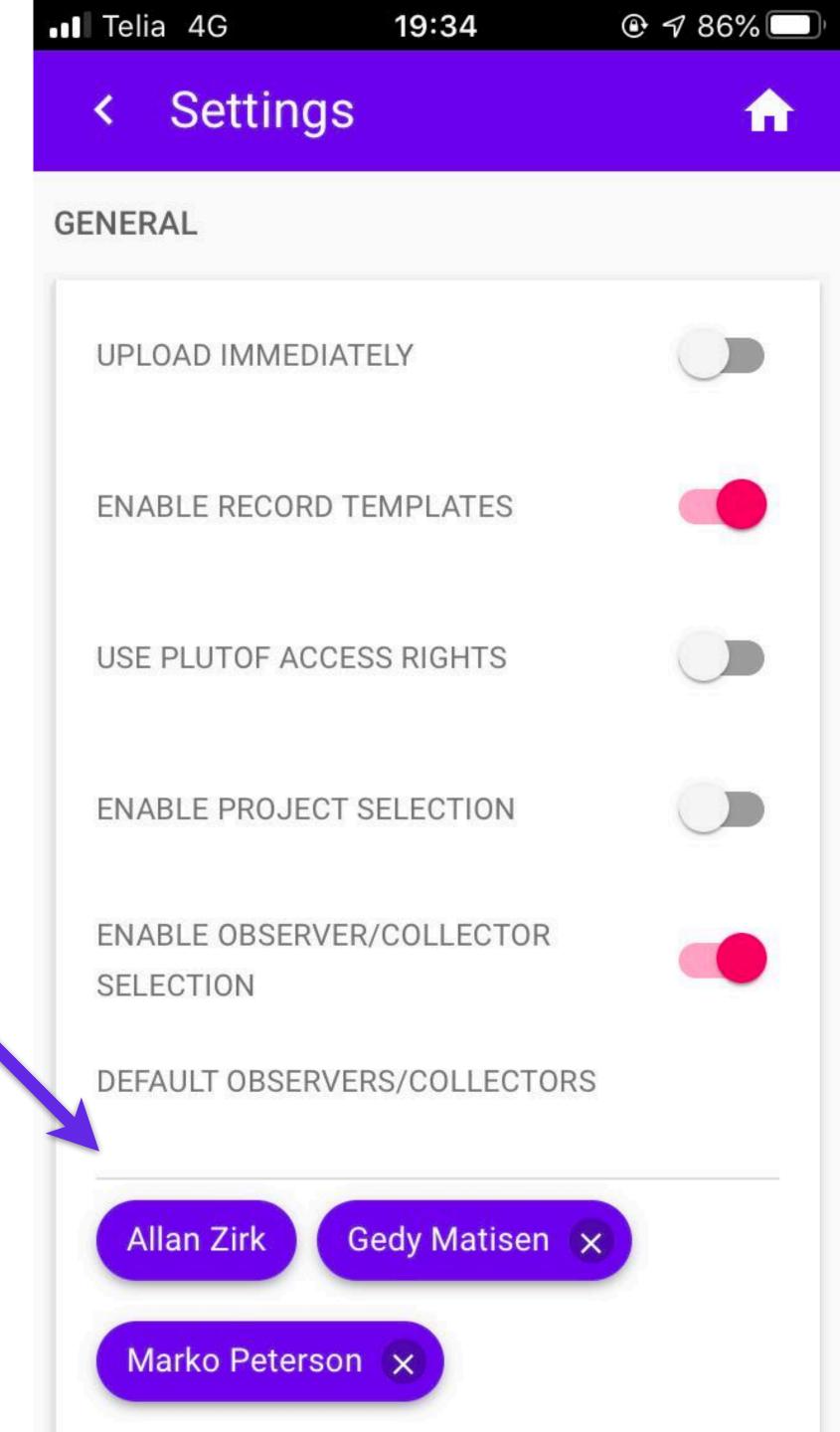


General Settings - selection of observers

The "Allow observer / collector selection" option allows you to mark multiple individuals as observers when entering a nature observation

E.g. three default observers added

(Only persons who have previously entered to PlutoF can be added.)



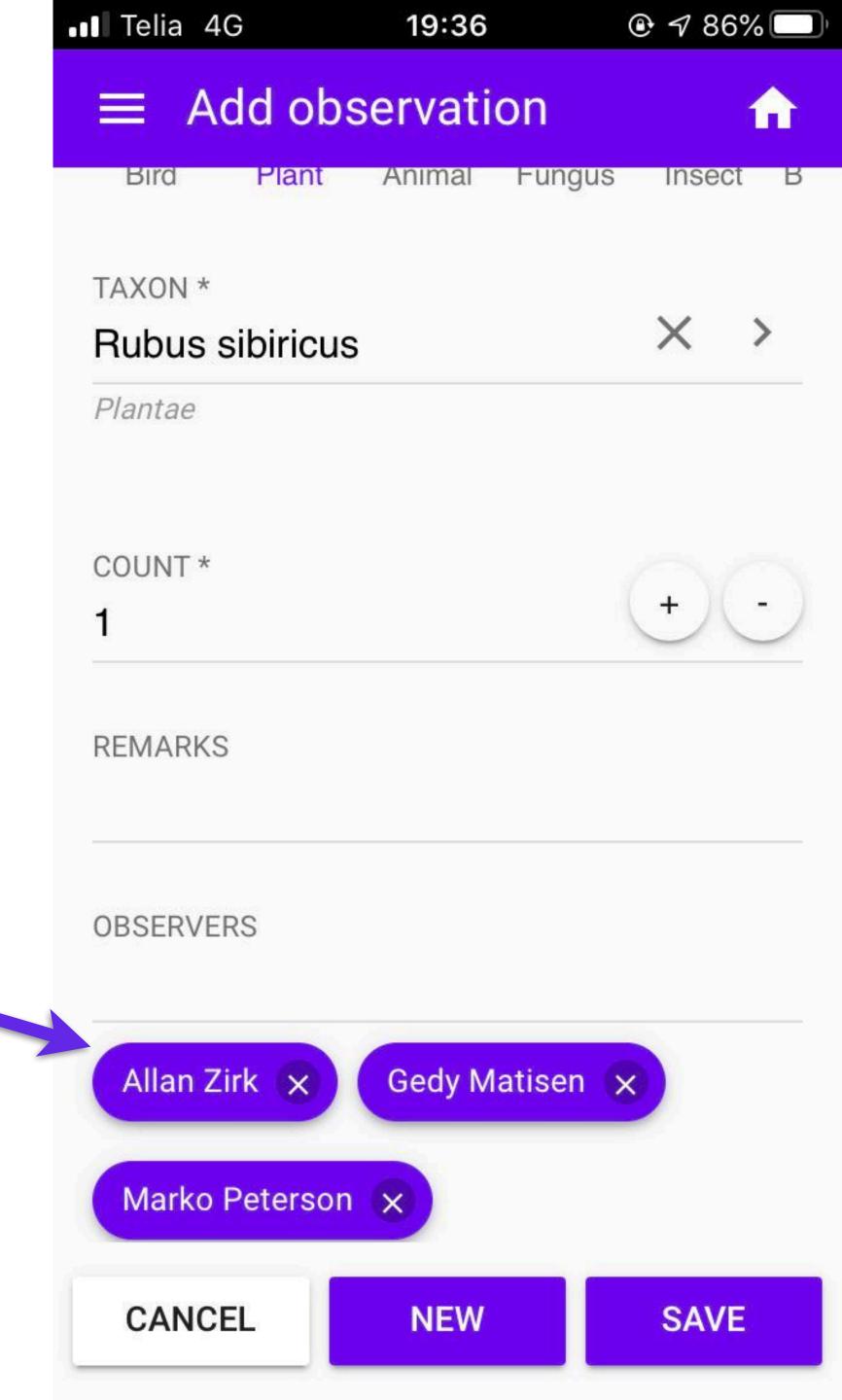
General Settings - selection of observers

The "Allow observer / collector selection" option allows you to mark multiple individuals as observers when entering a nature observation

E.g. three default observers added

The Observer field is automatically pre-filled in the observation input form

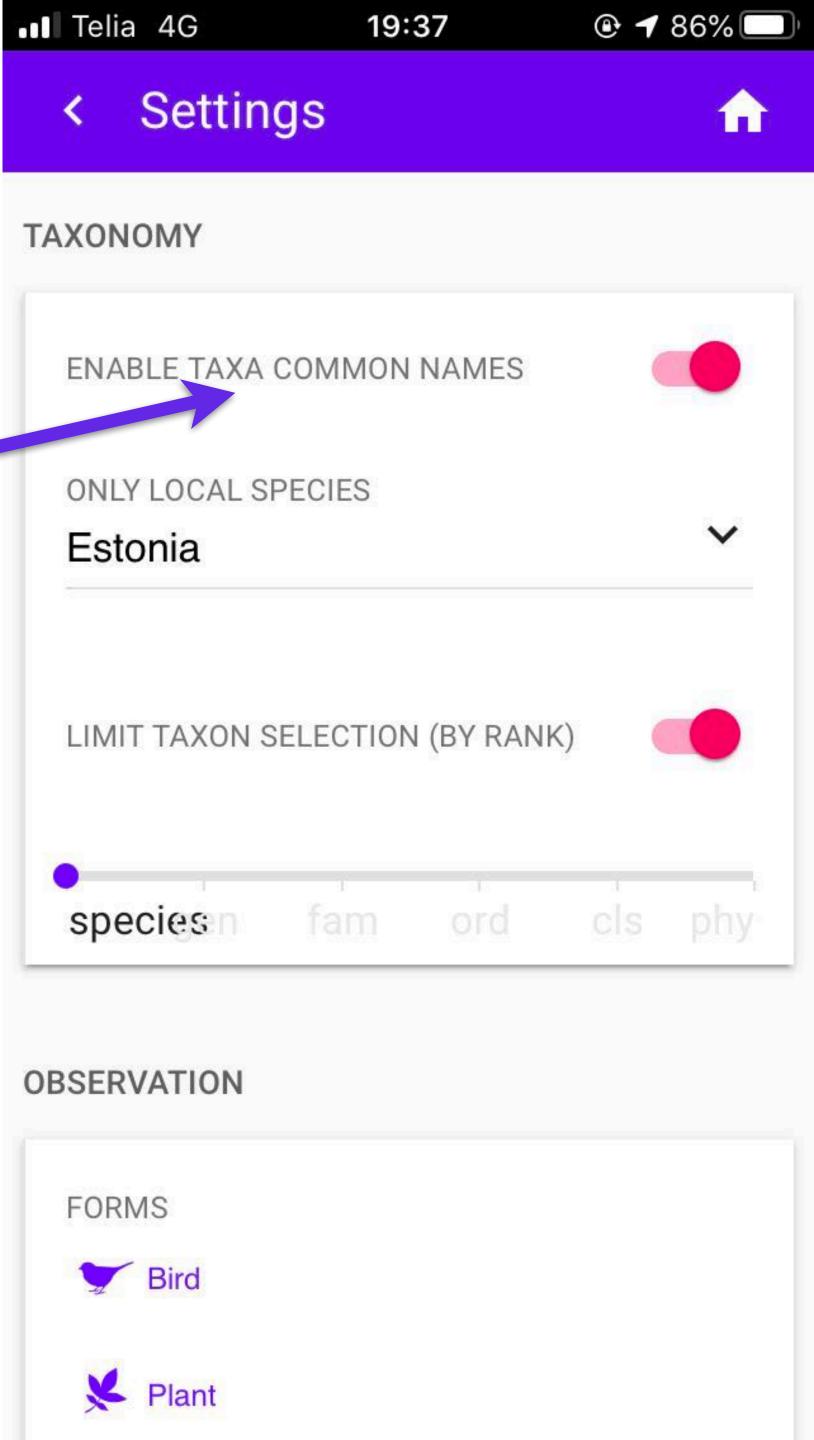
(The "x" icon removes the observer.)



General Settings - Taxonomy

The "Allow Common Name Input" option allows you to select taxa / species by common name when entering an observation

(NB! Not all species always have a common name in the database. In this case, the scientific name should be used.)

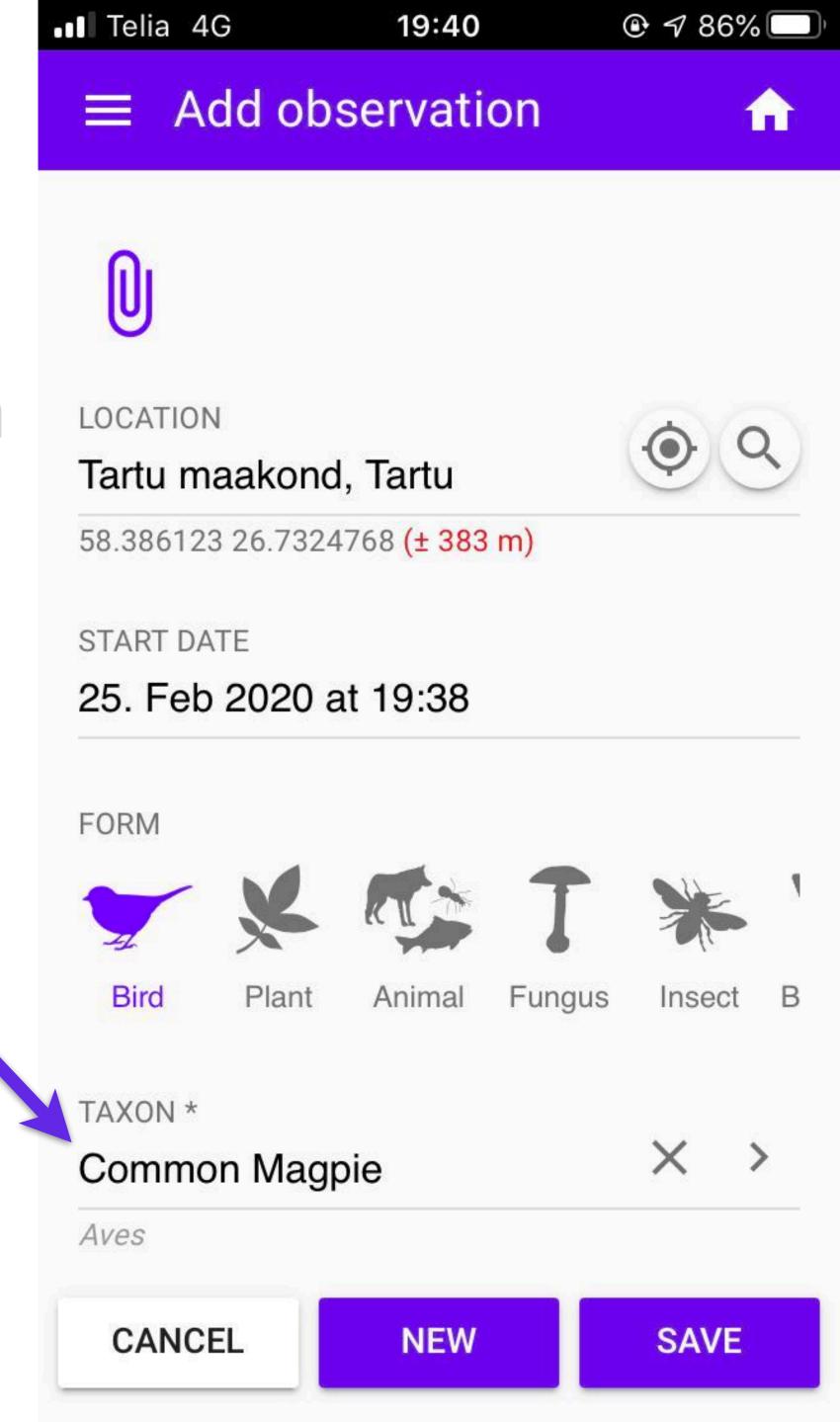


General Settings - Taxonomy

The "Allow Common Name Input" option allows you to select taxa / species by common name when entering an observation

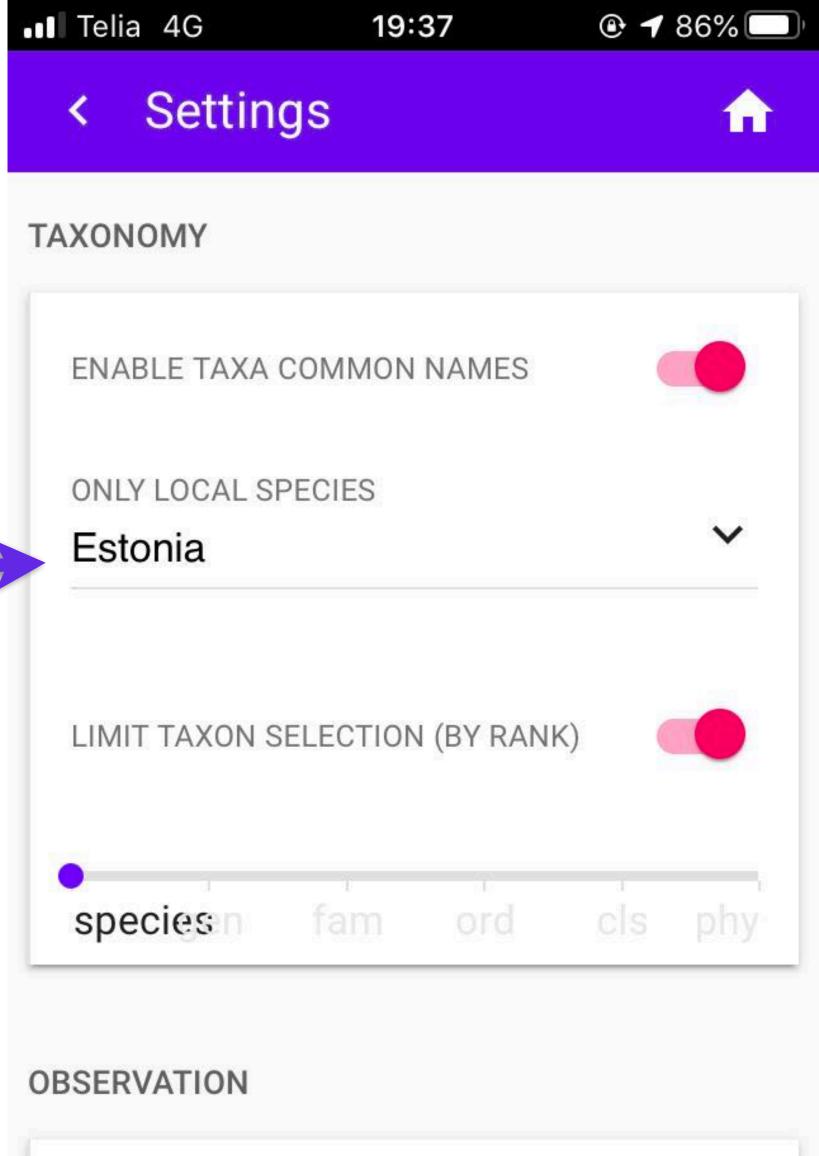
Select a taxon / species by common name when entering nature observation

(VIDEO! Adding multiple taxons in the same location https://www.youtube.com/watch?
v=a6jUx7tjyZw.)



The "only local species" option allows user to restrict the list of taxa. E.g. the option "Estonia" restricts the list to only species found in Estonia

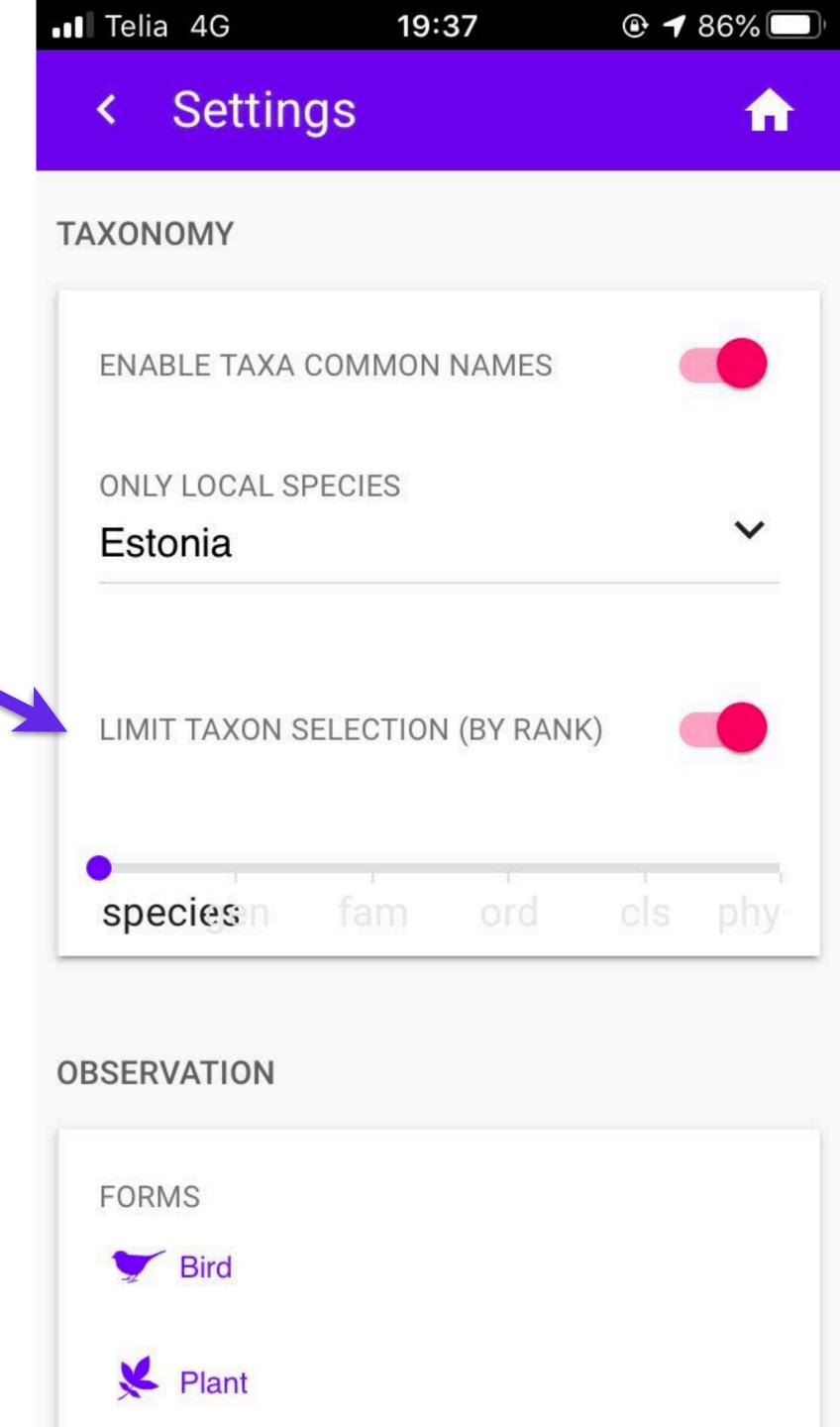
(Selection enhances user comfort by removing unlikely taxons from the selection list.)





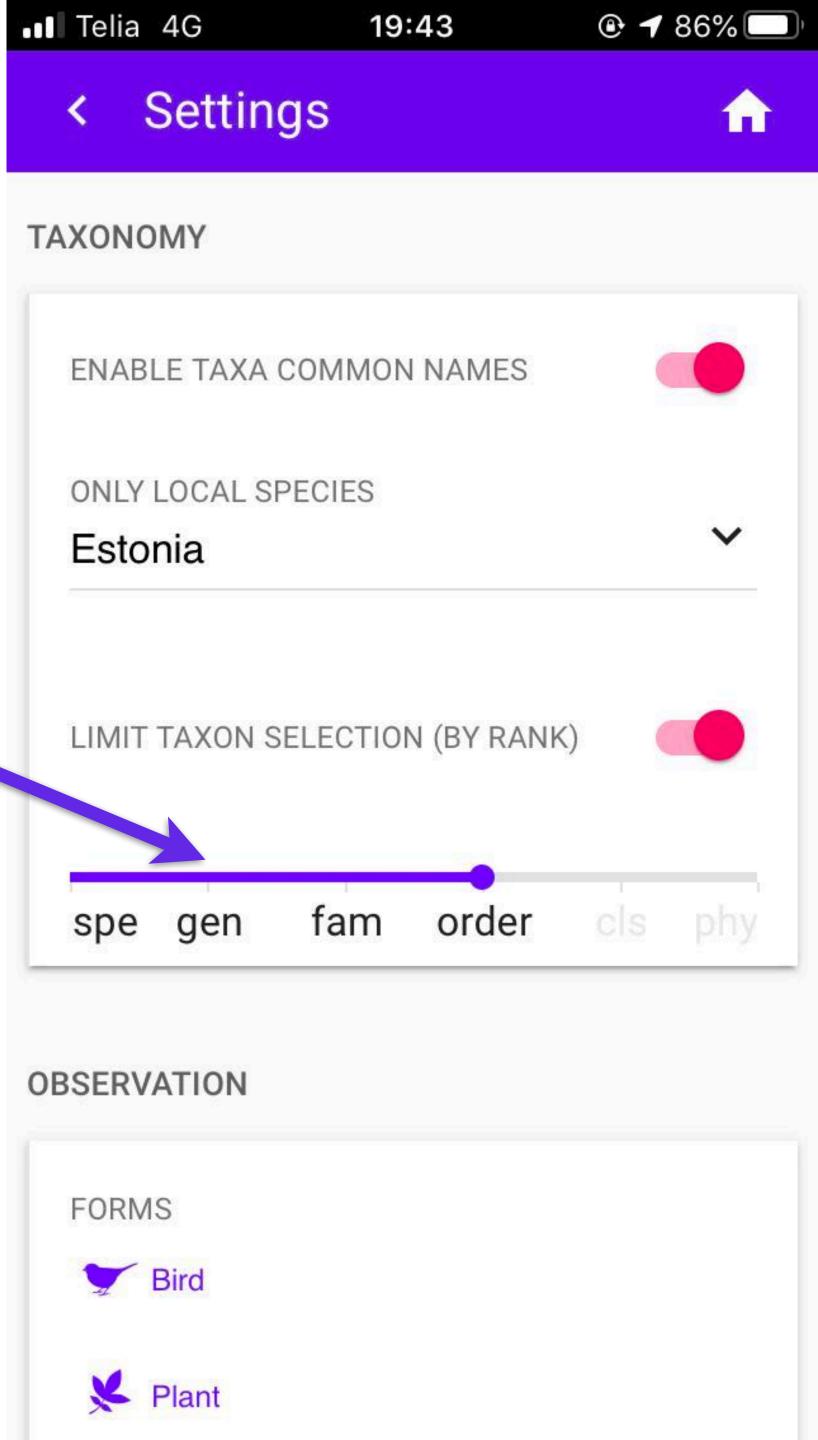
"Limit taxon selection" allows user to limit or expand the taxon selection list in the entry form - according to the taxon rank

(E.g. at this time the selection limits the entry to the species level only.)



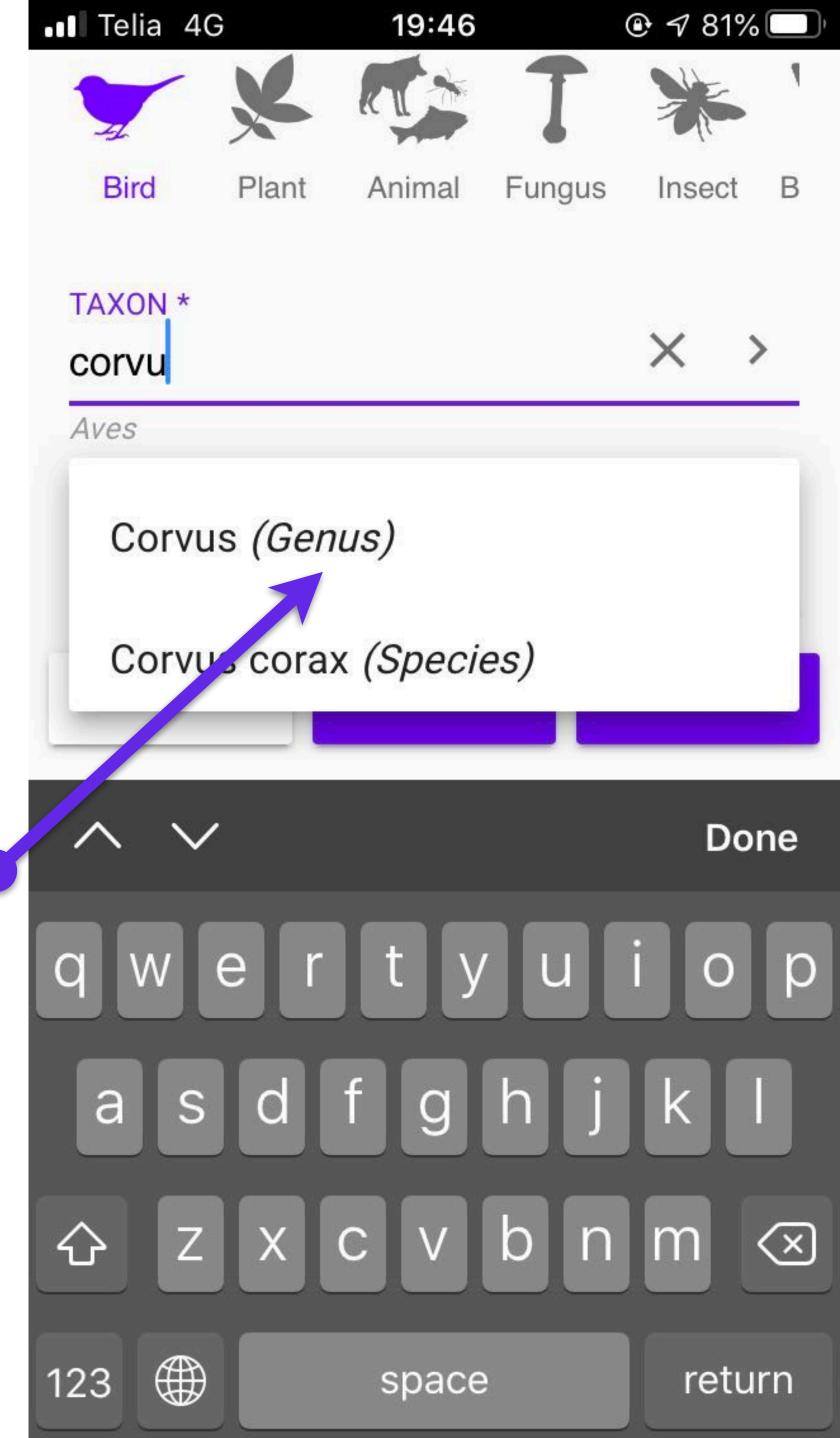
"Limit taxon selection" allows user to limit or expand the taxon selection list in the entry form - according to the taxon rank

E.g. now the option allows you to enter the level of species, genus, family, and order



"Limit taxon selection" allows user to limit or expand the taxon selection list in the entry form - according to the taxon rank E.g. now the option allows you to enter the level of species, genus, family, and order

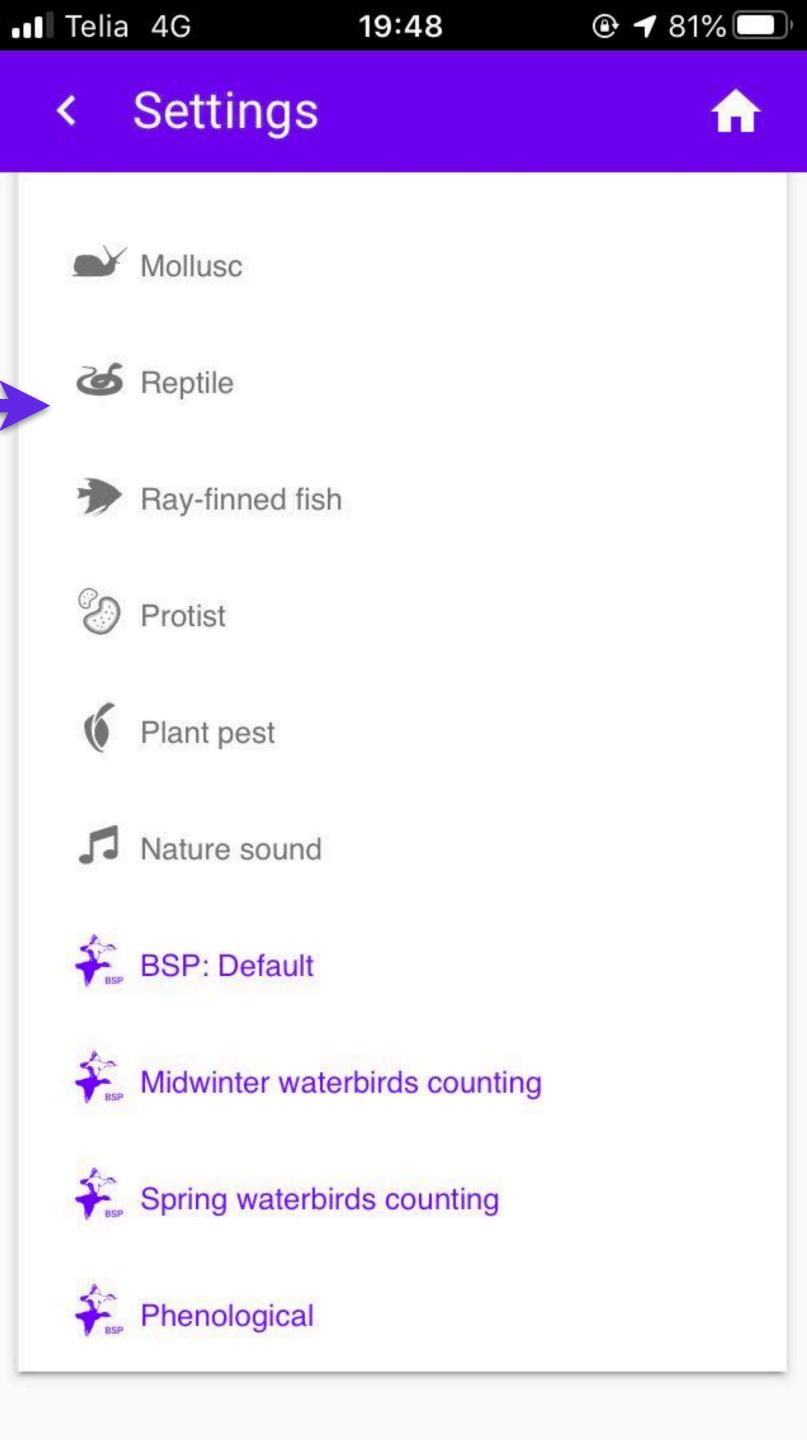
E.g. when filling observation form - the option allows user to select different taxon levels



General Settings - Forms

The "Forms" list allows user to toggle (add or remove) form selections from observation entry form

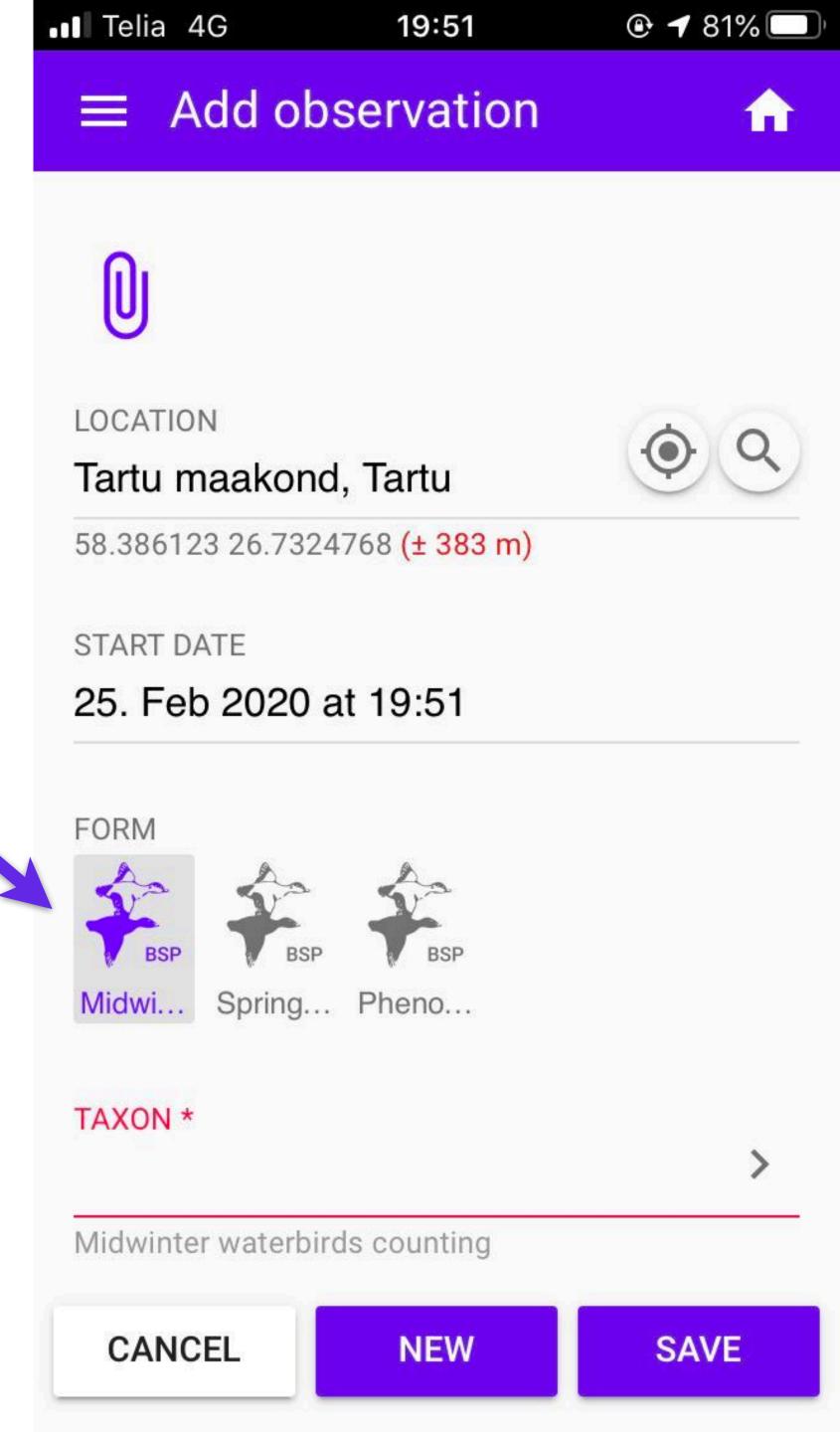
(E.g. only UNESCO BSP forms are currently allowed in the entry form: BSP: Default, Midwinter waterbirds counting, Spring waterbirds counting, Phenological.)



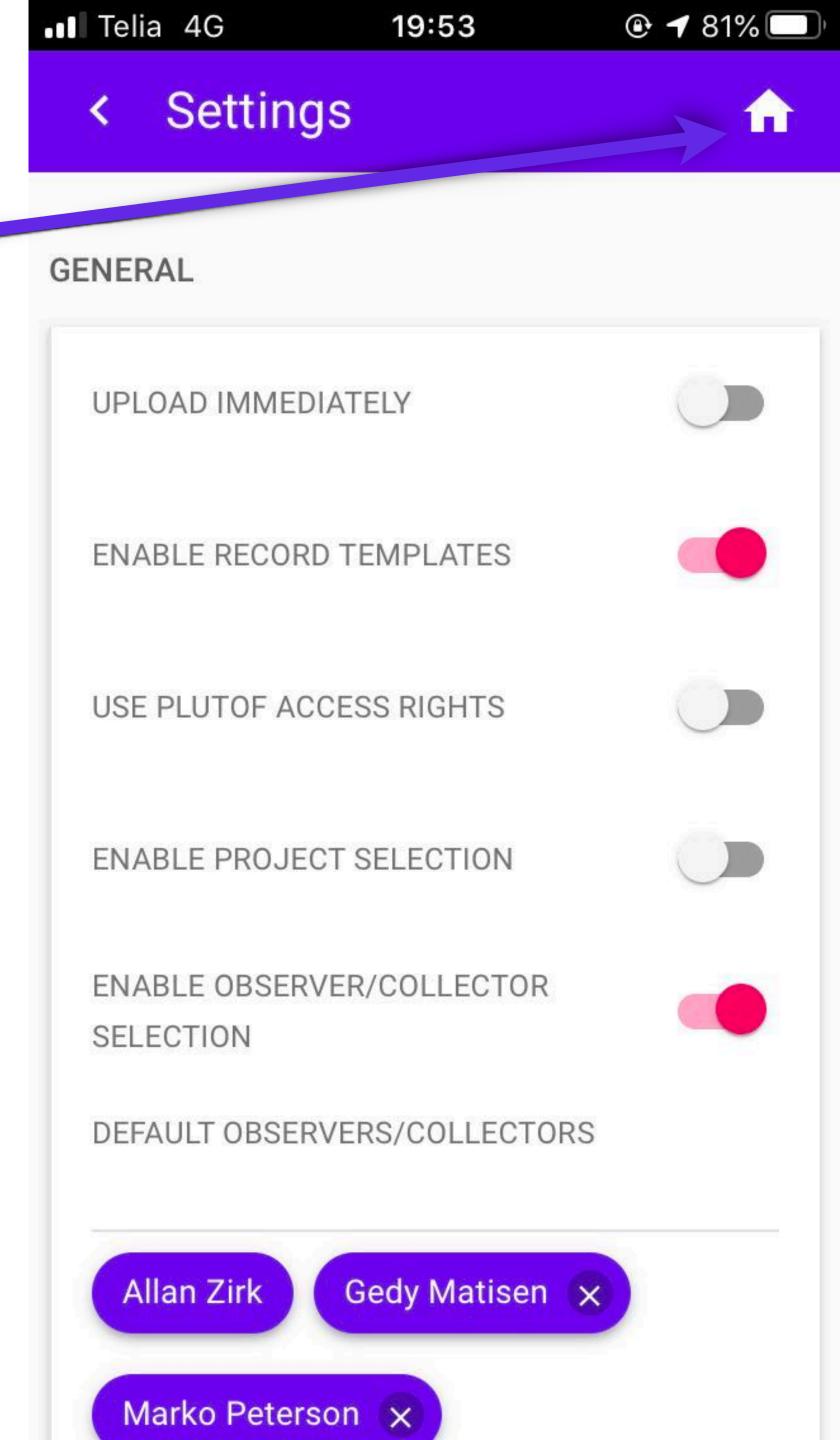
General Settings - Forms

The "Forms" list allows user to toggle (add or remove) form selections from observation entry form

E.g. there are currently three forms to choose from when entering nature observation

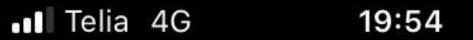


Open the "My Data" view.



Open the "My Data" view

Select "Add Observation"







Collected data will appear here.

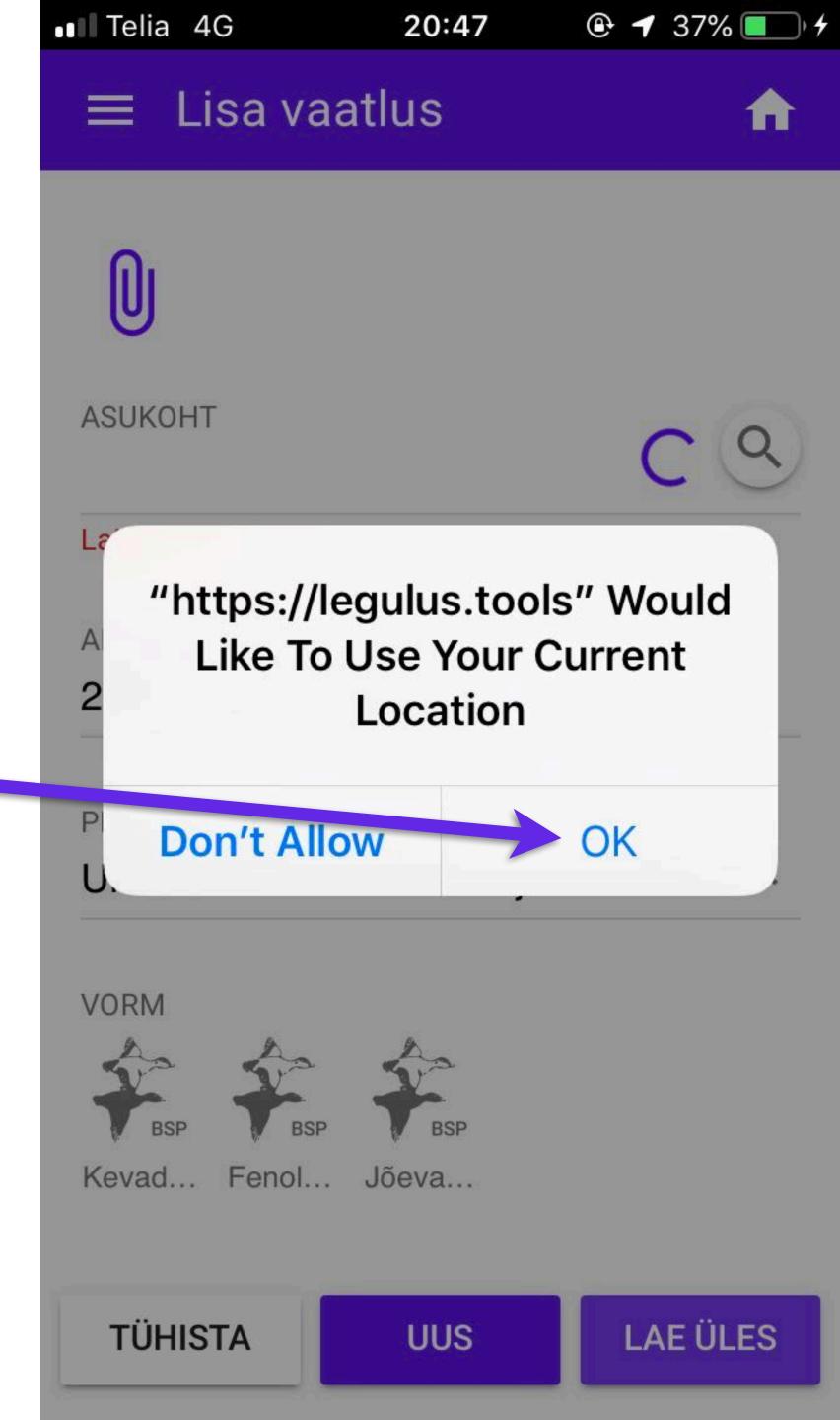
Add data by pressing button below.



Open the "My Data" view Select "Add Observation"

When opening entry form, the phone asks for permission to use GPS information - please allow

(Legulus can also be successfully used without GPS. We will introduce this feature later.)

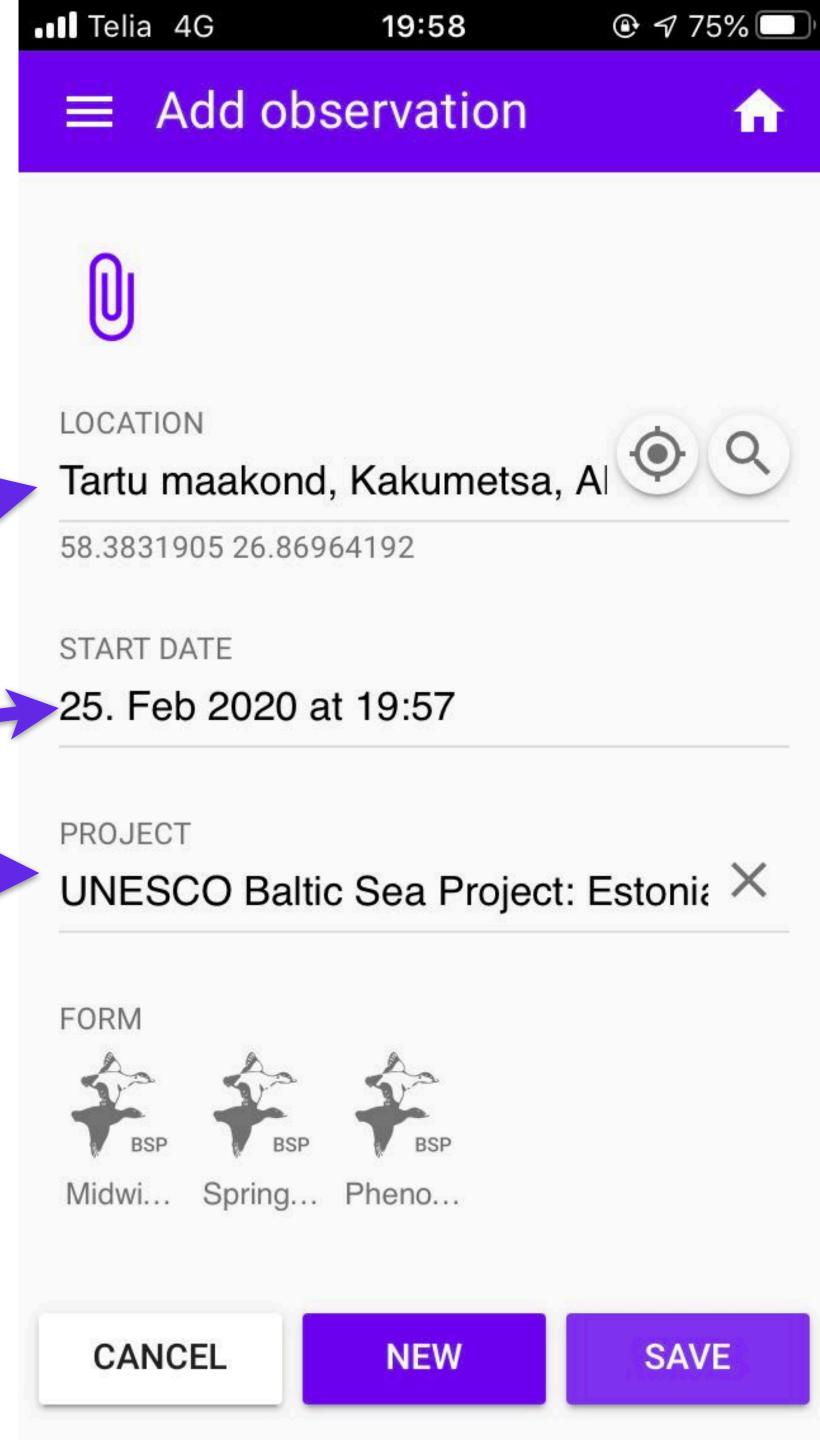


Open the "My Data" view Select "Add Observation"

When opening entry form, the phone asks for permission to use GPS information - please allow

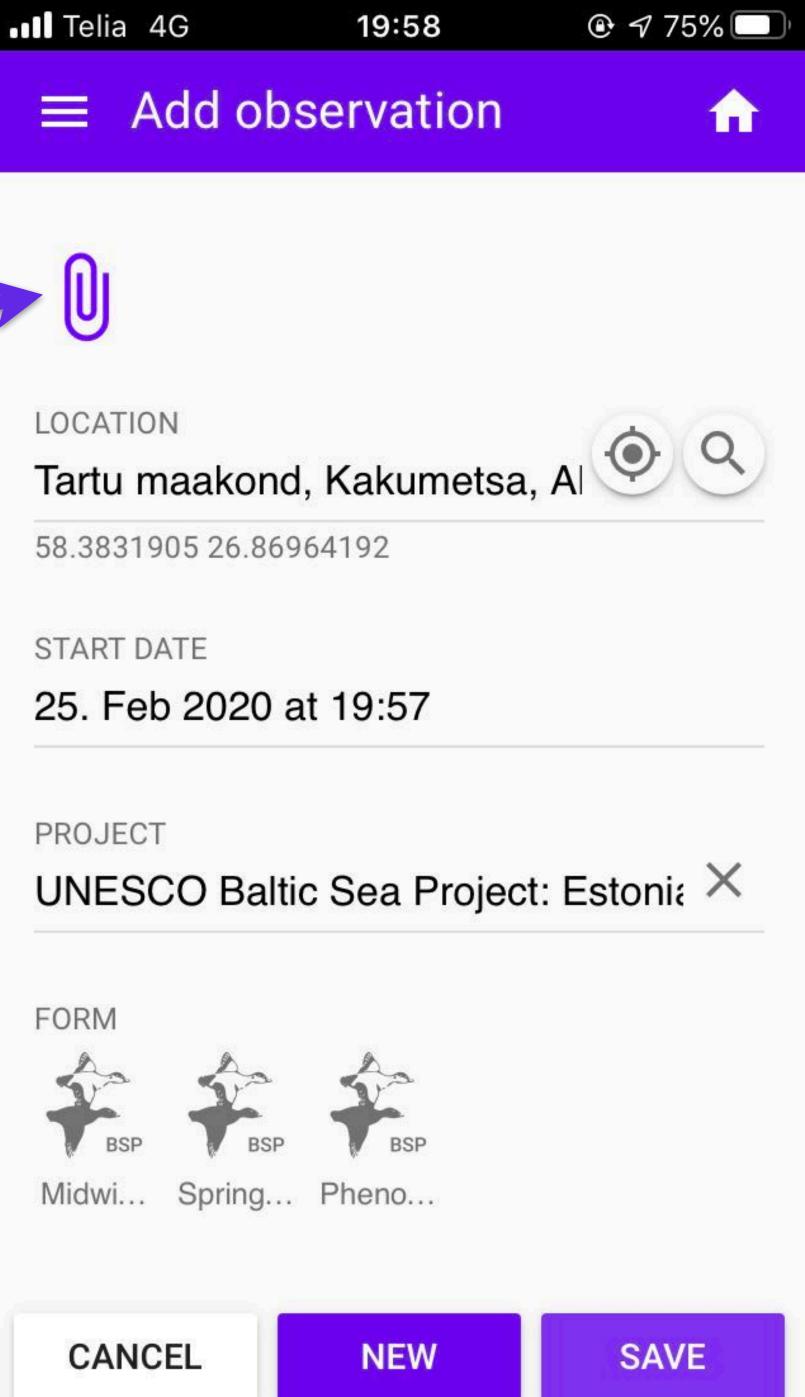
Autofill fields: location, start date and the project

(Autofill fields can be modified and refined.)



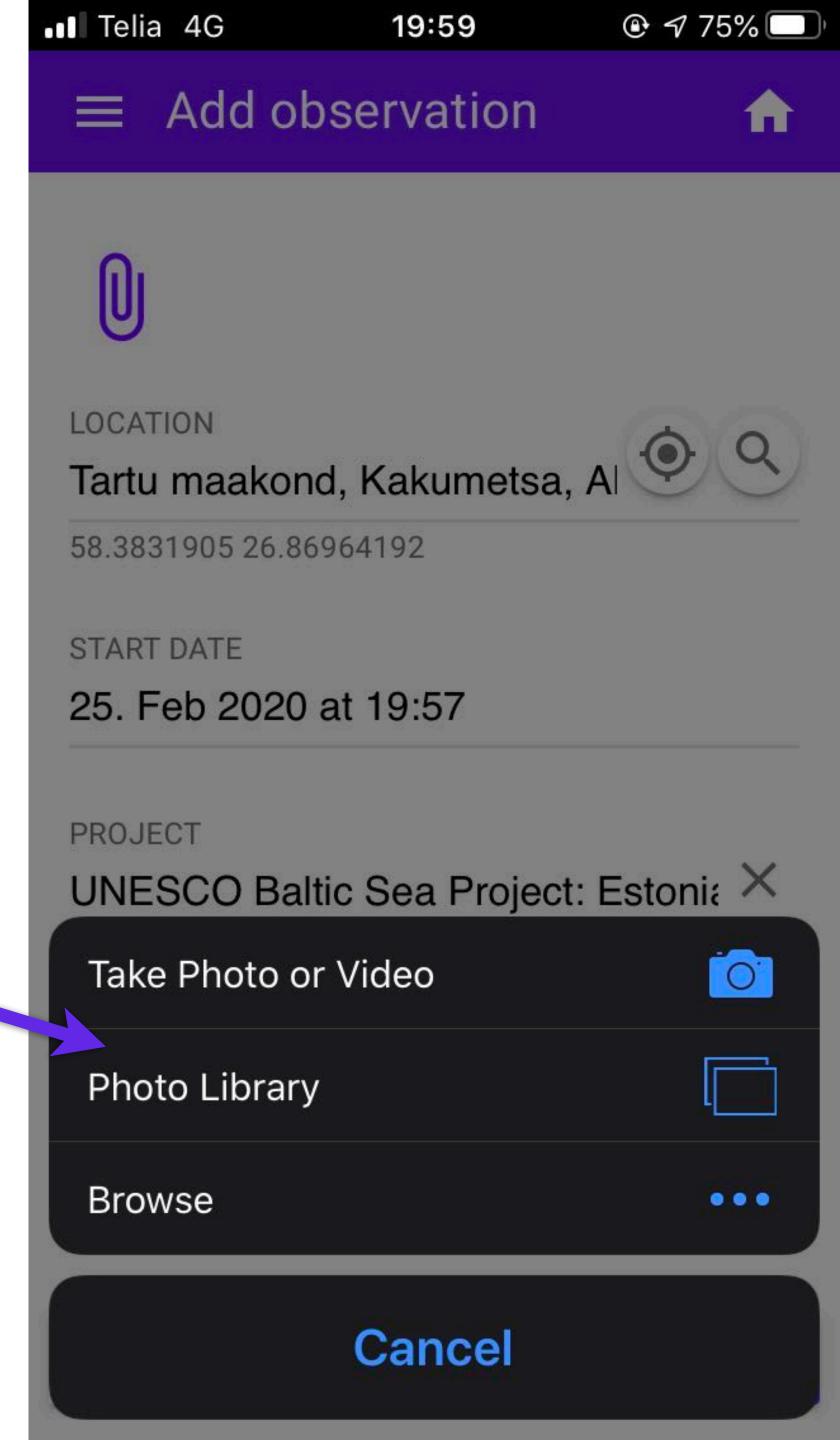
A photo, audio or video can be attached to the observation

(Media files are mainly used to identify a species or to better documenting of a rare finding.)



A photo, audio or video can be attached to the observation

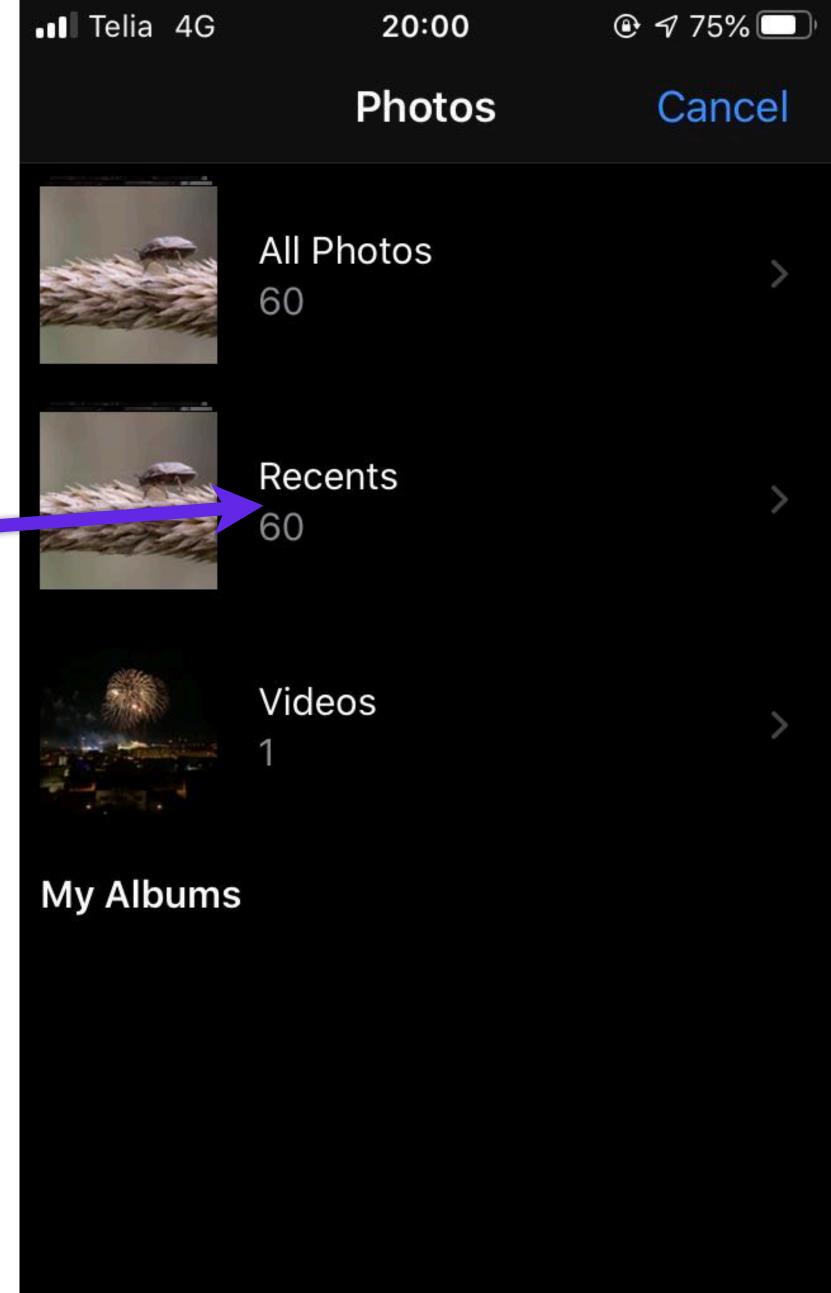
E.g. select a photo from your phone's photo gallery



A photo, audio or video can be attached to the observation

E.g. select a photo from your phone's photogallery

Select "Done" link the photo with the observation

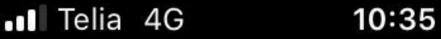


A photo, audio or video can be attached to the observation

E.g. select a photo from your phone's photo gallery Link the photo with the observation

Ask for a location and start time from the photo Remove photo

(Asking for a location and start date from a photo only works if your phone's camera had access to that information when you took the photo - GPS was active.)













LOCATION

Tartu maakond, Tartu



58.3743478 26.7179456 (± 1414 m)

START DATE

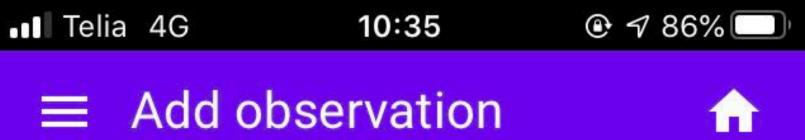
25. Feb 2020 at 10:35

CANCEL

NEW

Add observation - location

The location information is automatically filled in when GPS is turned on







LOCATION

Tartu maakond, Tartu



58.3743478 26.7179456 (± 1414 m)

START DATE

25. Feb 2020 at 10:35

CANCEL

NEW

Add observation - location

The location information is automatically filled in when GPS is turned on

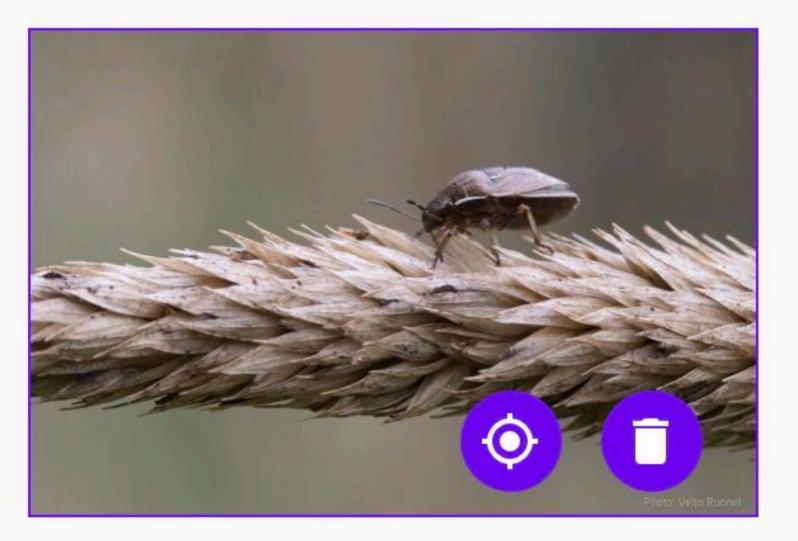
The red color gives an indication of the inaccurate location

•• Telia 4G 10:35



⊕
 √ 86%
 □









LOUTION

Tartu maakond, Tartu



58.3743478 26.7179456 (± 1414 m)

START DATE

25. Feb 2020 at 10:35

CANCEL

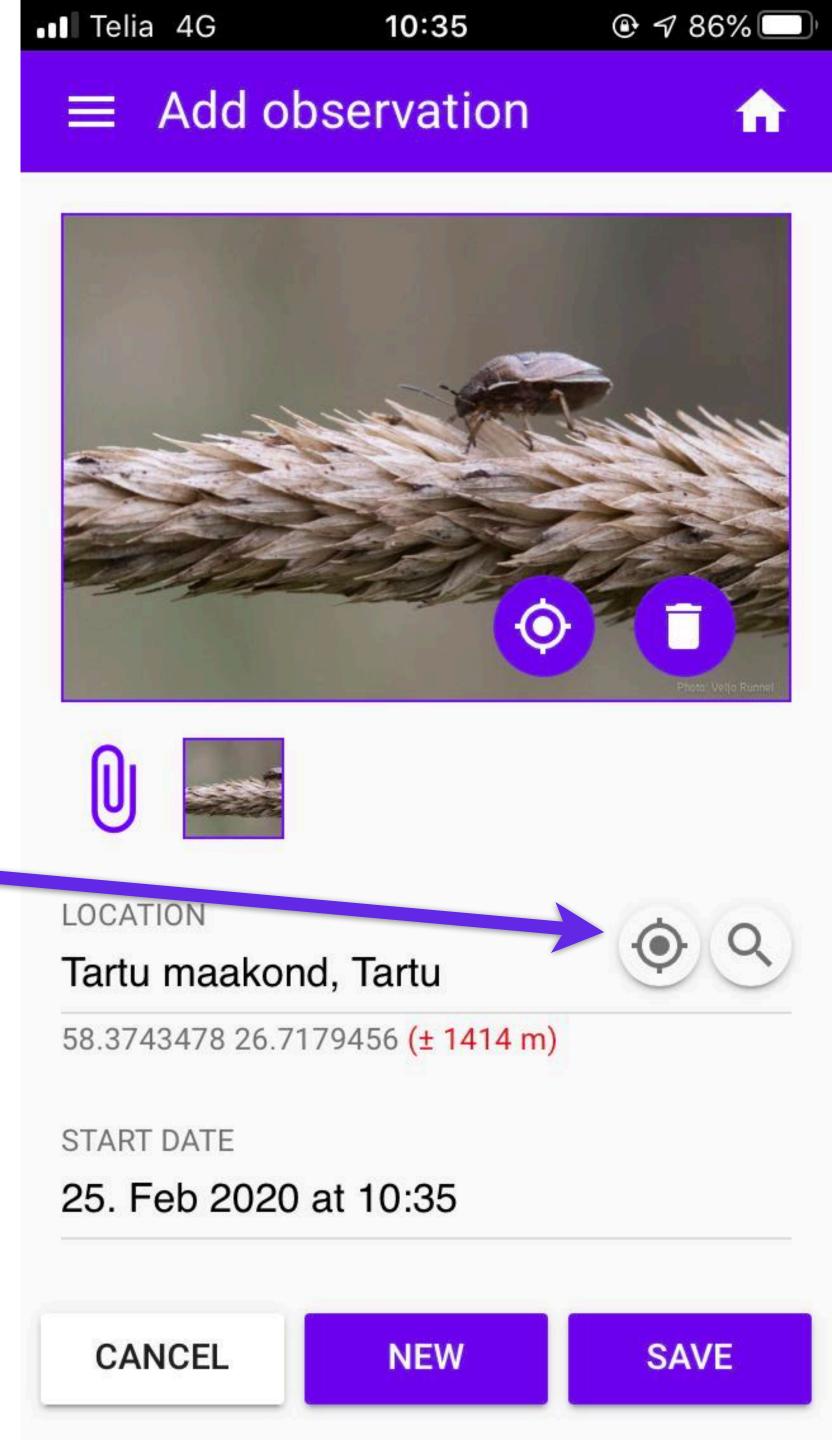
NEW

Add observation - location

The location information is automatically filled in when GPS is turned on The red color gives an indication of the inaccurate location

If the location is inaccurate, the user can query the location again

(You can also enter a location manually, in case of a poor or no GPS signal.)



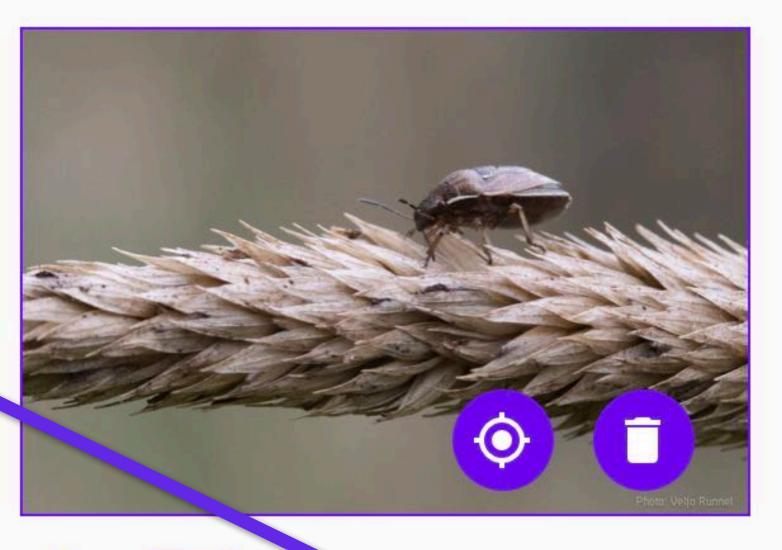
Enter the location search view

(Entering a location manually means searching for a location by name, selecting a location on the map, or selecting a previously used location.)











LOCATION



58.3743478 26.7179456 (± 1414 m)

START DATE

25. Feb 2020 at 10:35

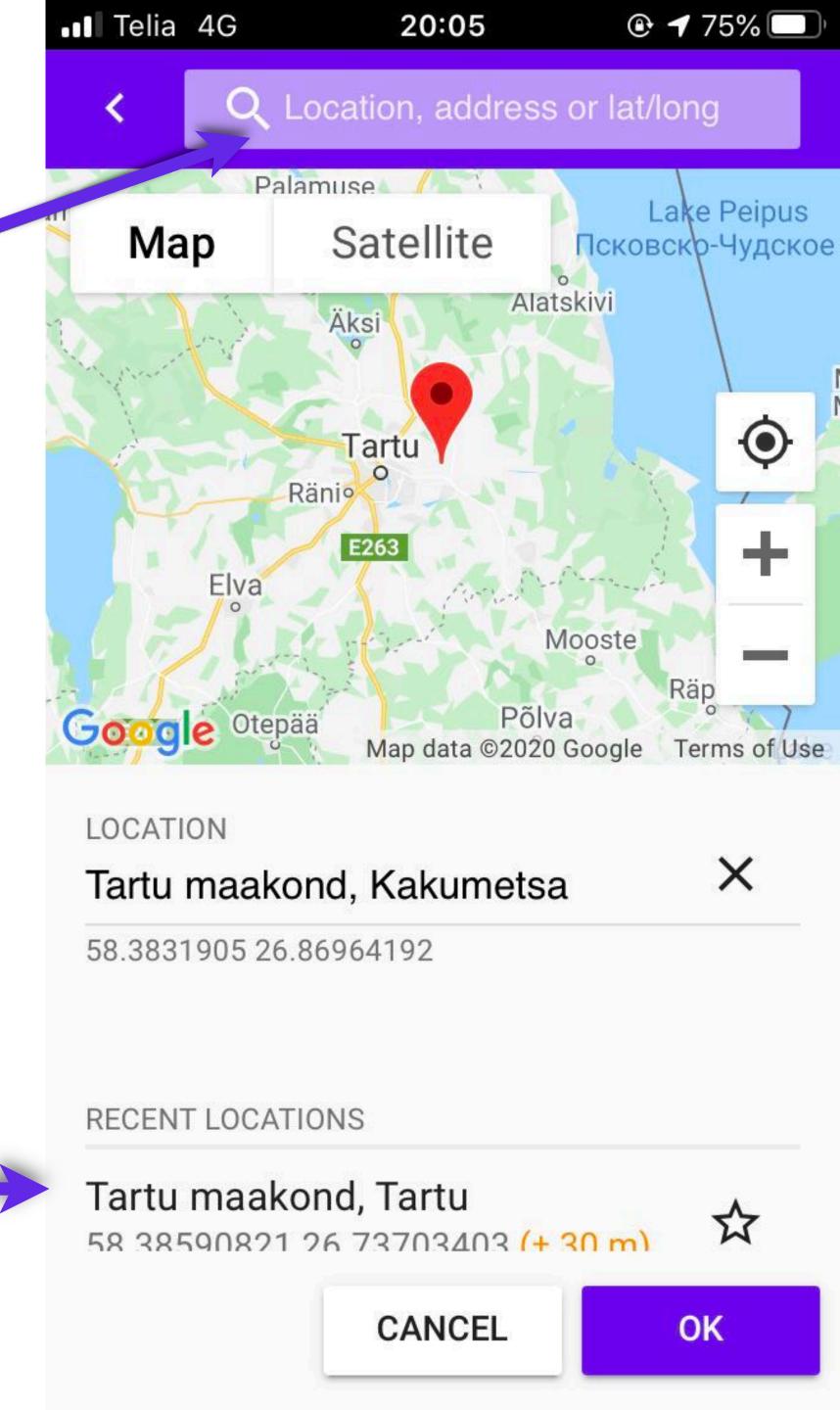
CANCEL

NEW

Search by location name or address.

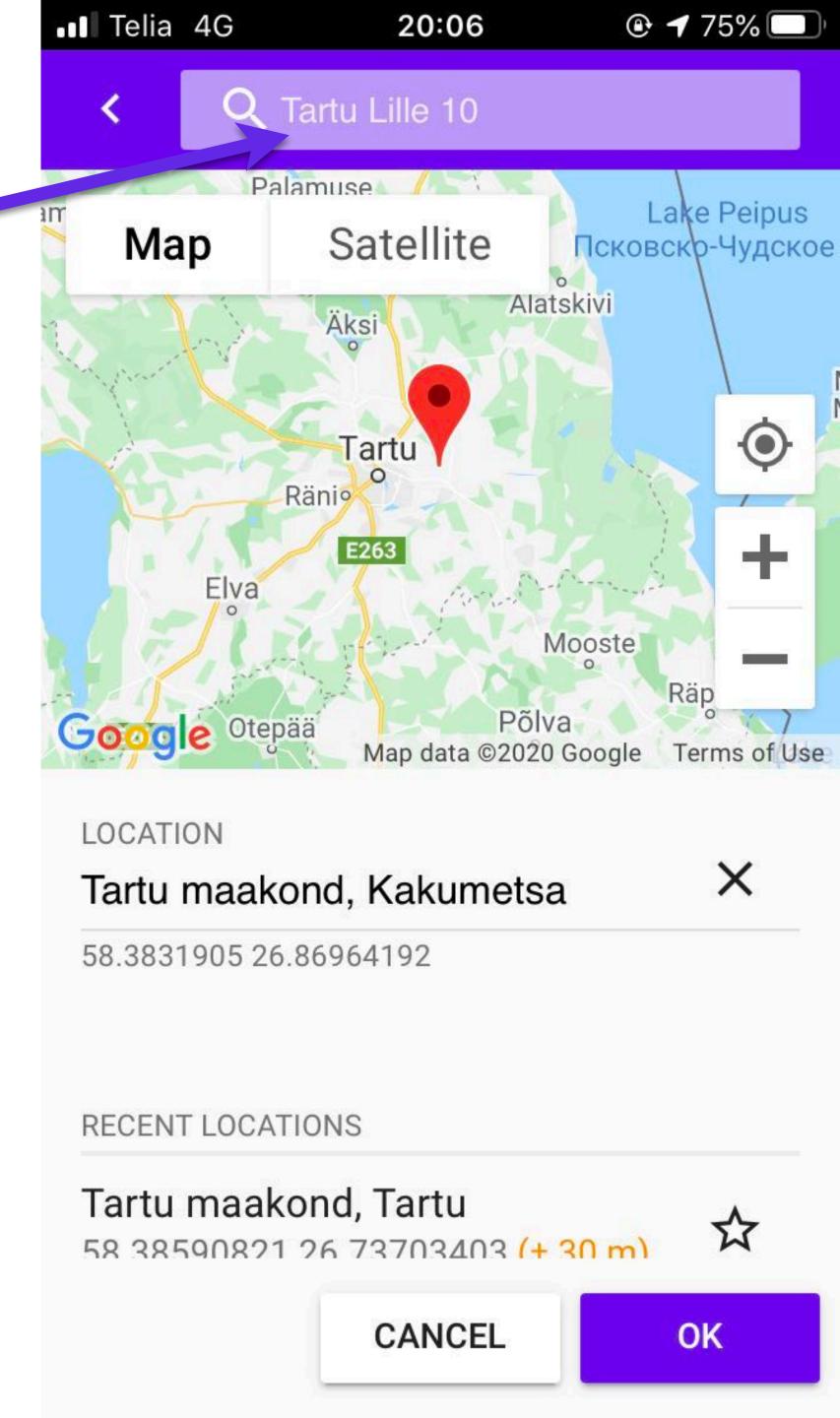
(User can also search and select a location on the map.

The 5 most recently entered locations are selectable again.)



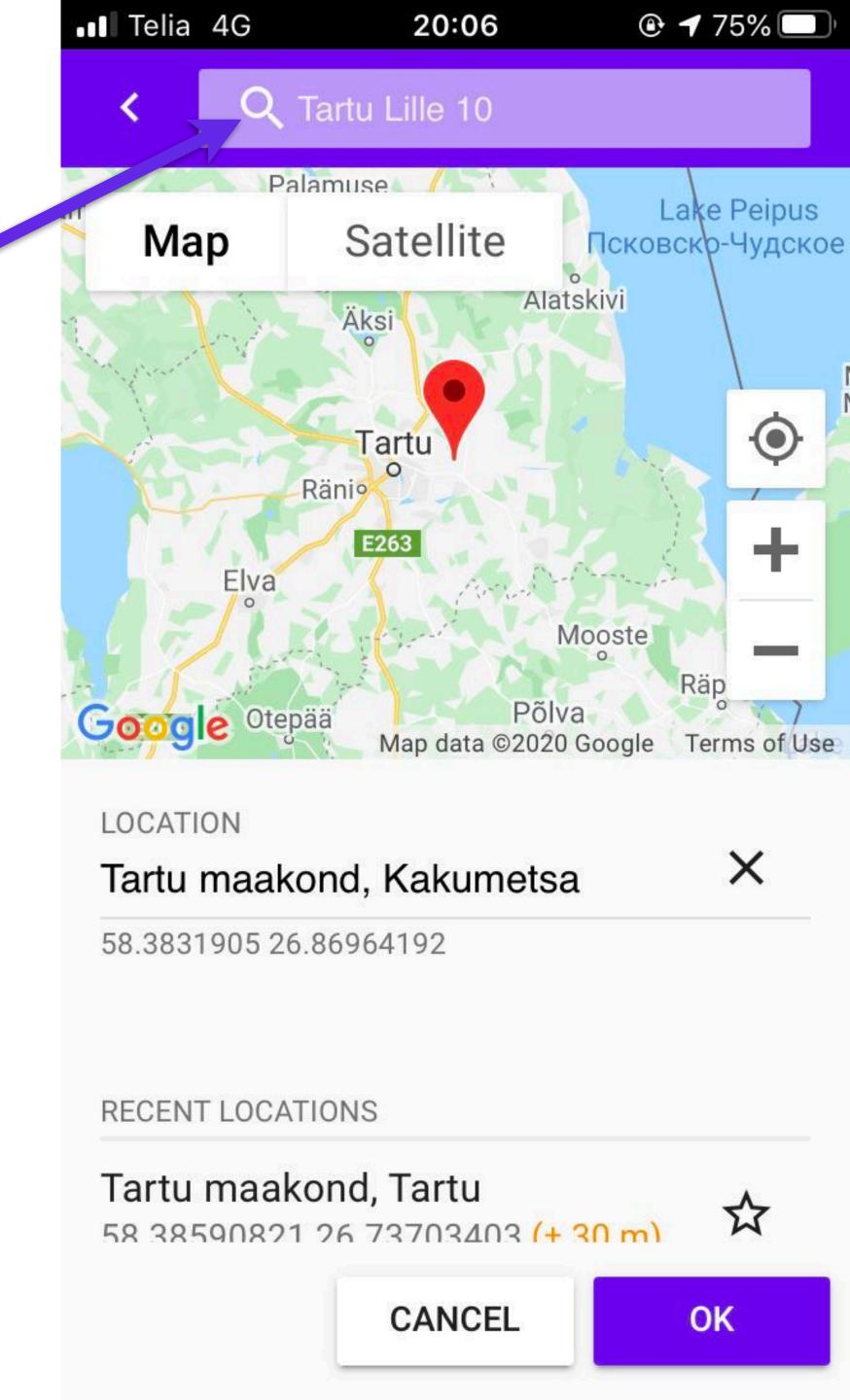
Search by location name or address

Enter an address



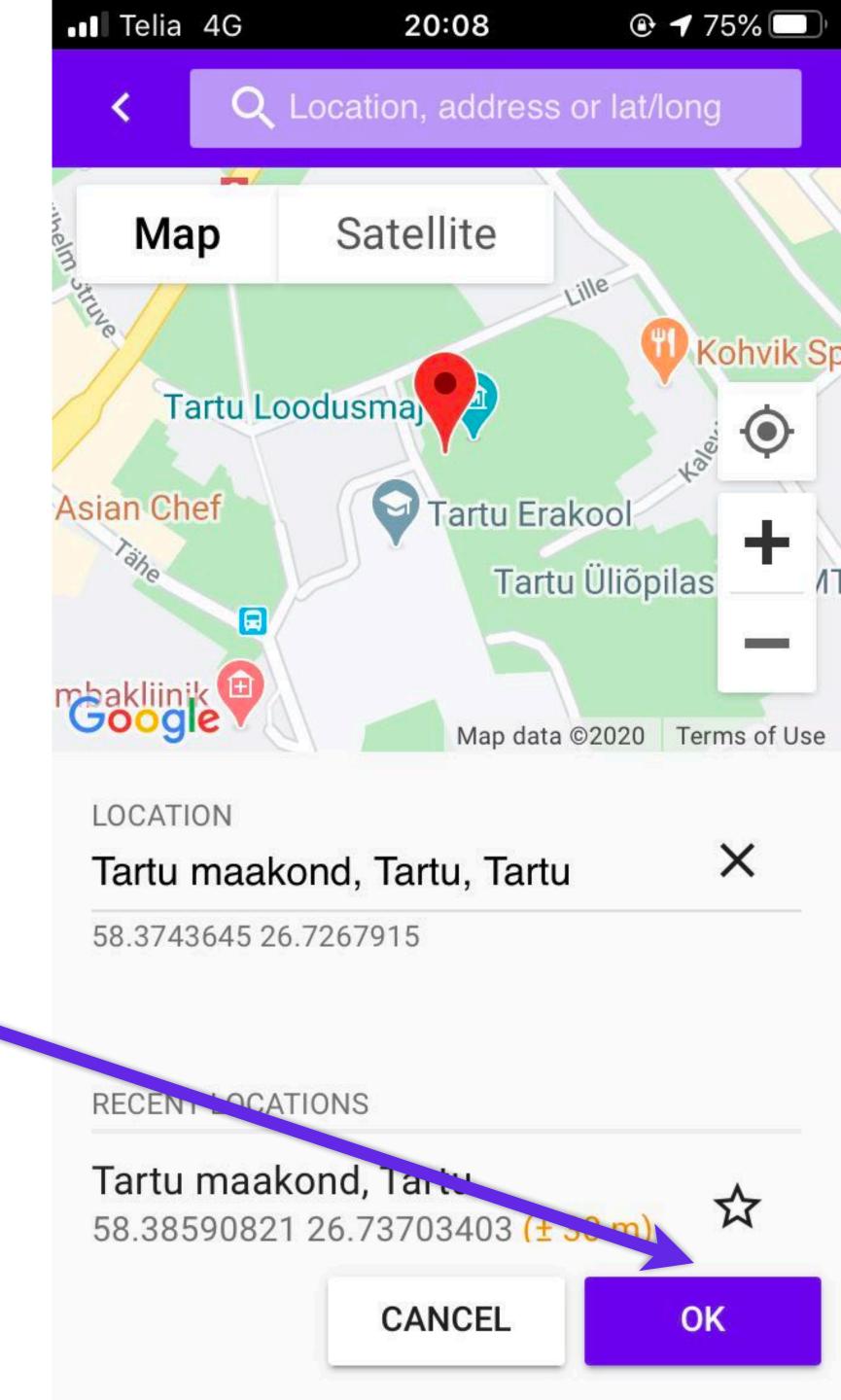
Search by location name or address Enter an address

Select search icon / button



Search by location name or address
Enter an address
Select search icon / button

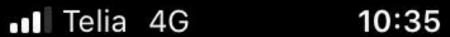
Confirm your location selection and go back to entry form



Add observation - start date

The "Start date" information is filled in automatically

(Information can be changed manually.)



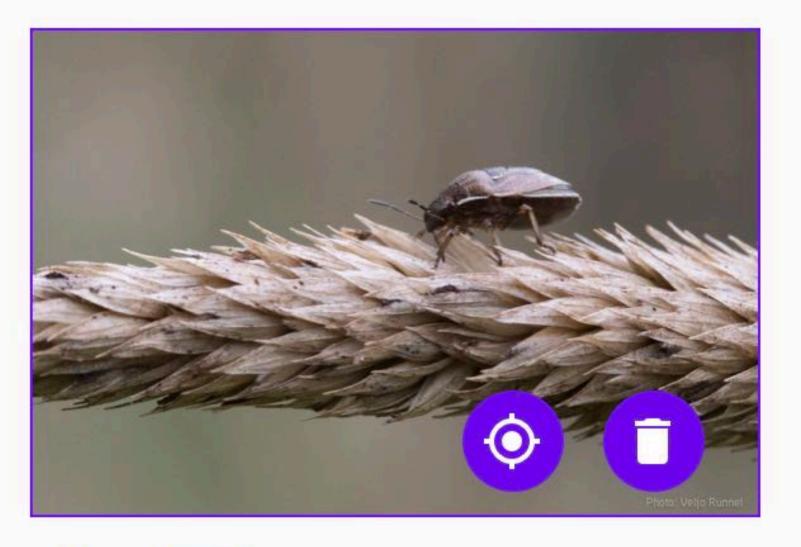
Add observation



⊕

√ 86%

□







LOCATION

Tartu maakond, Tartu



58.3743478 26.7179456 (± 1414 m)

START DATE

25. Feb 2020 at 10:35

CANCEL

NEW

Add observation - start date

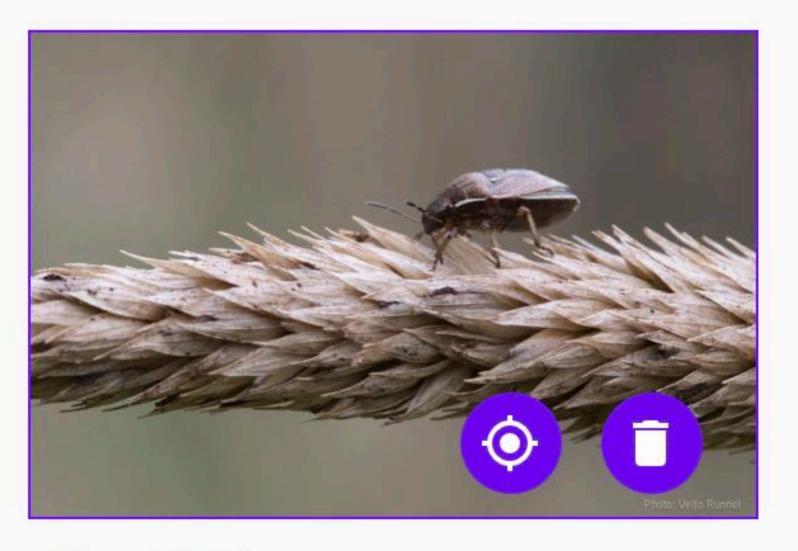
The "Start date" information is filled in automatically

Selecting the field content will allow manual changing of the "start date" value

•• Telia 4G 10:35











LOCATION

Tartu maakond, Tartu



58.3743478 26.7179456 (± 1414 m)

START DATE

25. Feb 2020 at 10:35

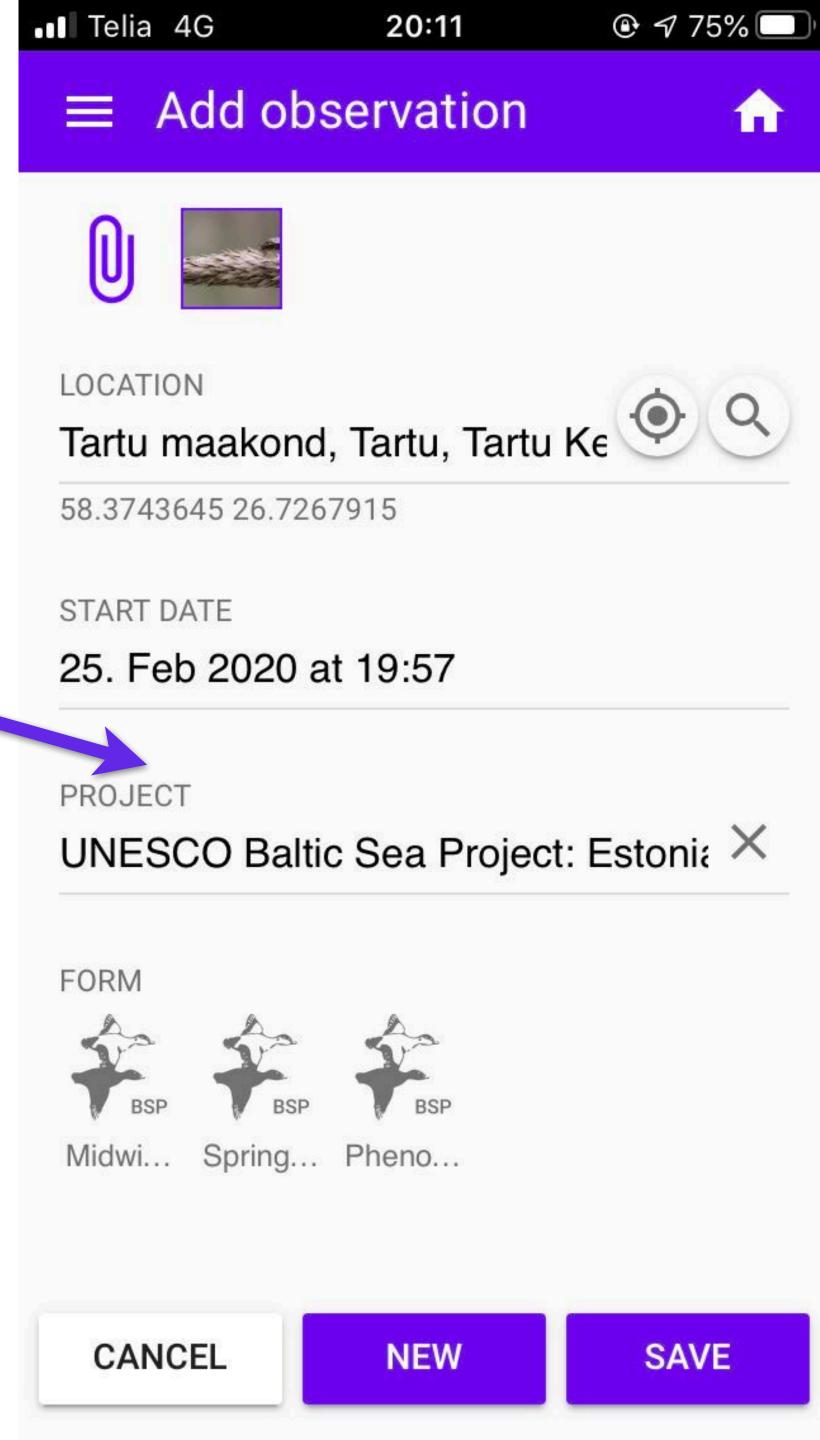
CANCEL

NEW

Add observation - project

E.g. "UNESCO Baltic Sea Project" participants can later view, manage and analyze all the gathered data as one dataset

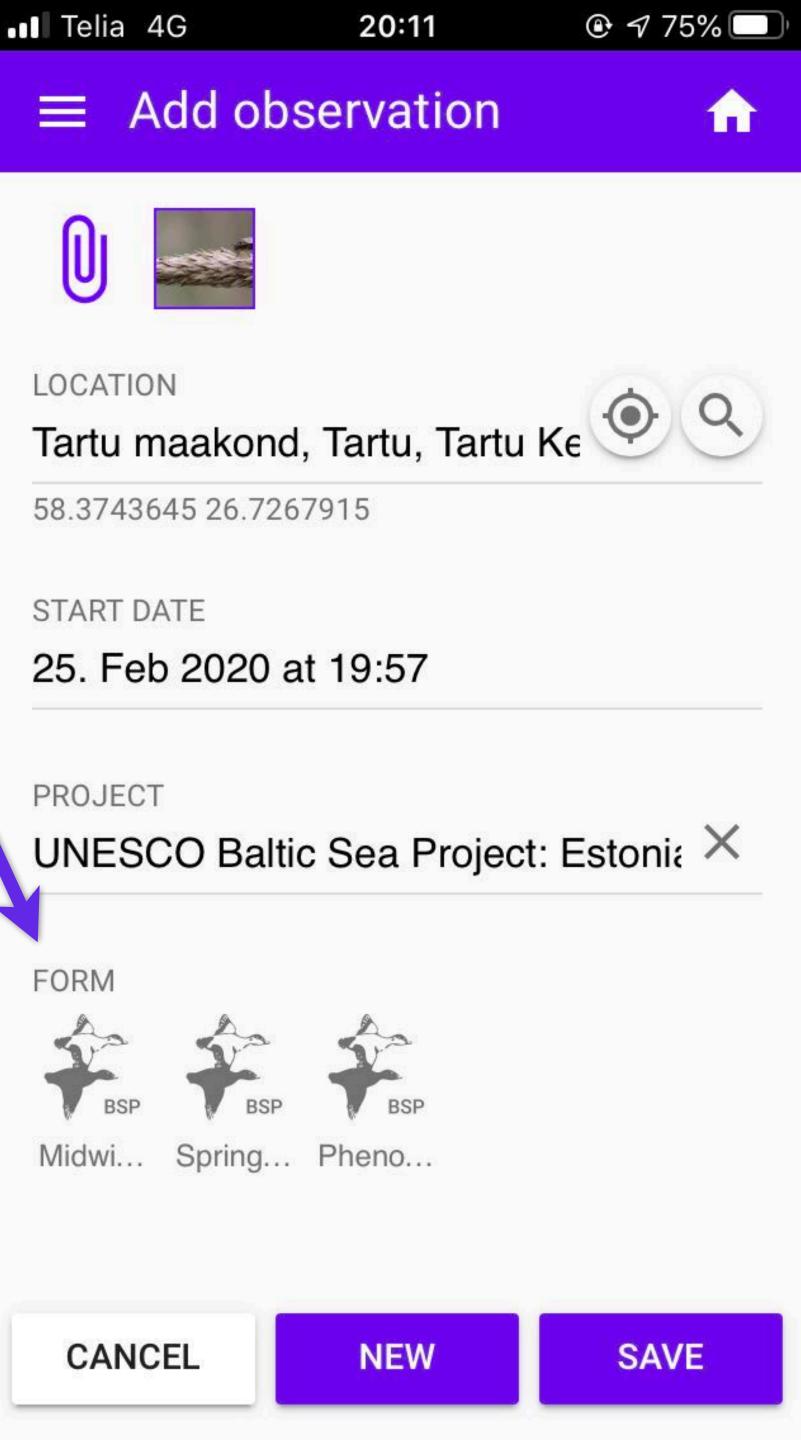
(*Leaving the project blank does not interfere with entering nature observation.)



Add observation - form

The choice of form determines which speciesspecific fields still need to be completed

(NB! If there is no suitable form in the observation input form - eg. There are currently only 3 choices. Then you can enable more forms from the Settings.)

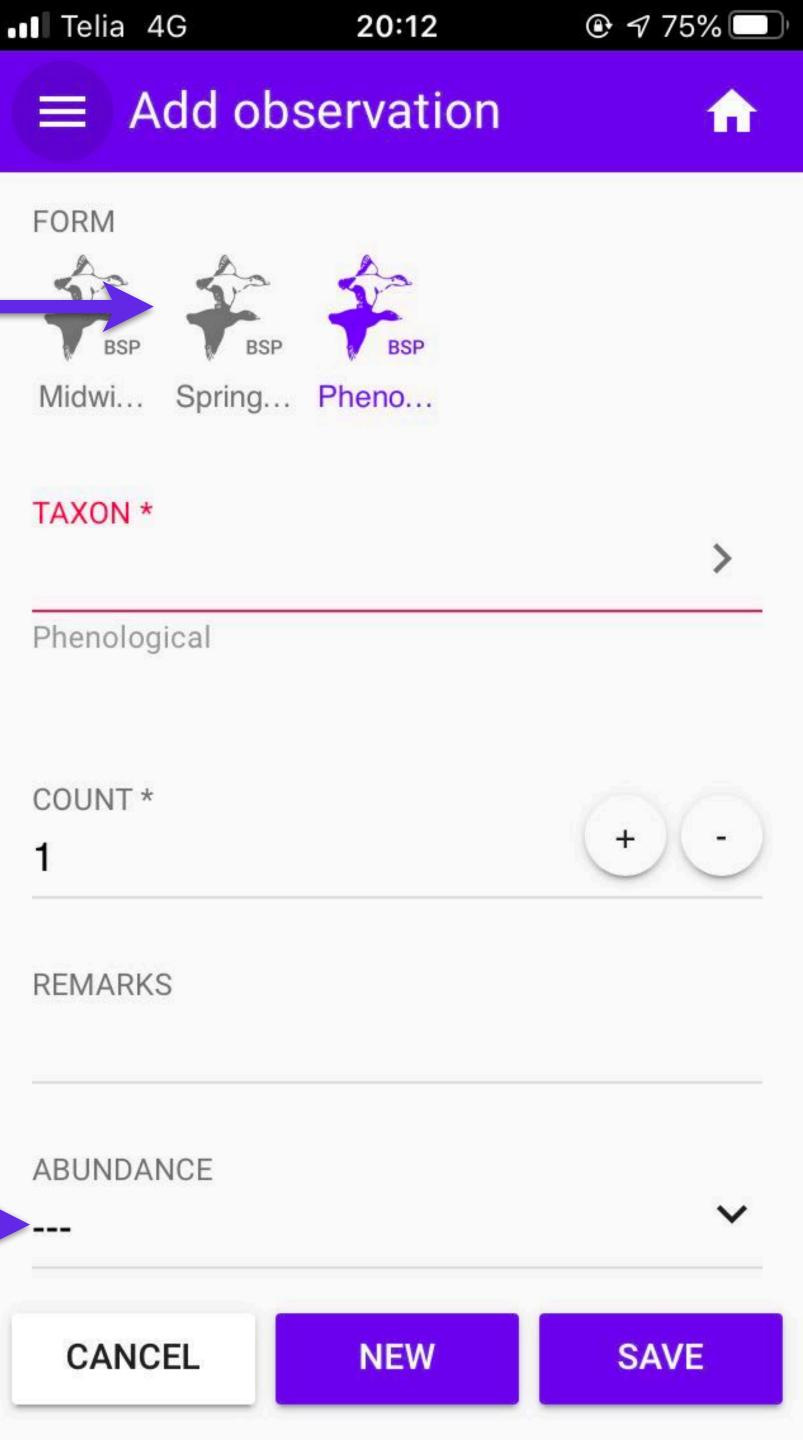


Add observation - form

The form "Phenological" is selected.

This is a simple form with only one required (red) field. The remaining fields are optional. The more fields user fills in, the higher the quality of the observation record.

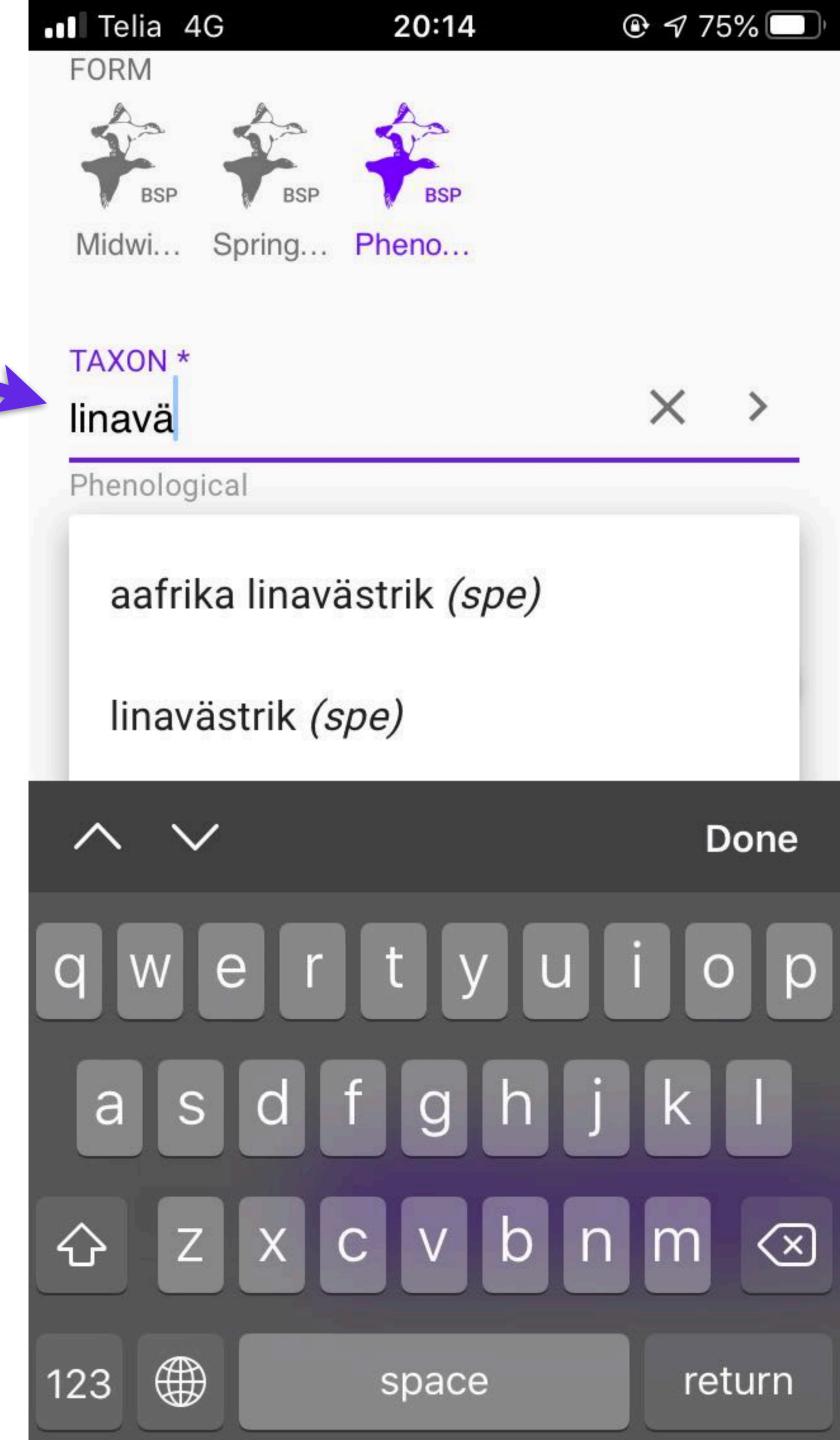
(NB! If the name of the field does not sufficiently explain what information is desired then it is worthwhile to press the field. This will open up possible field values.)



Add observation - taxon

Find and select a taxon / species name

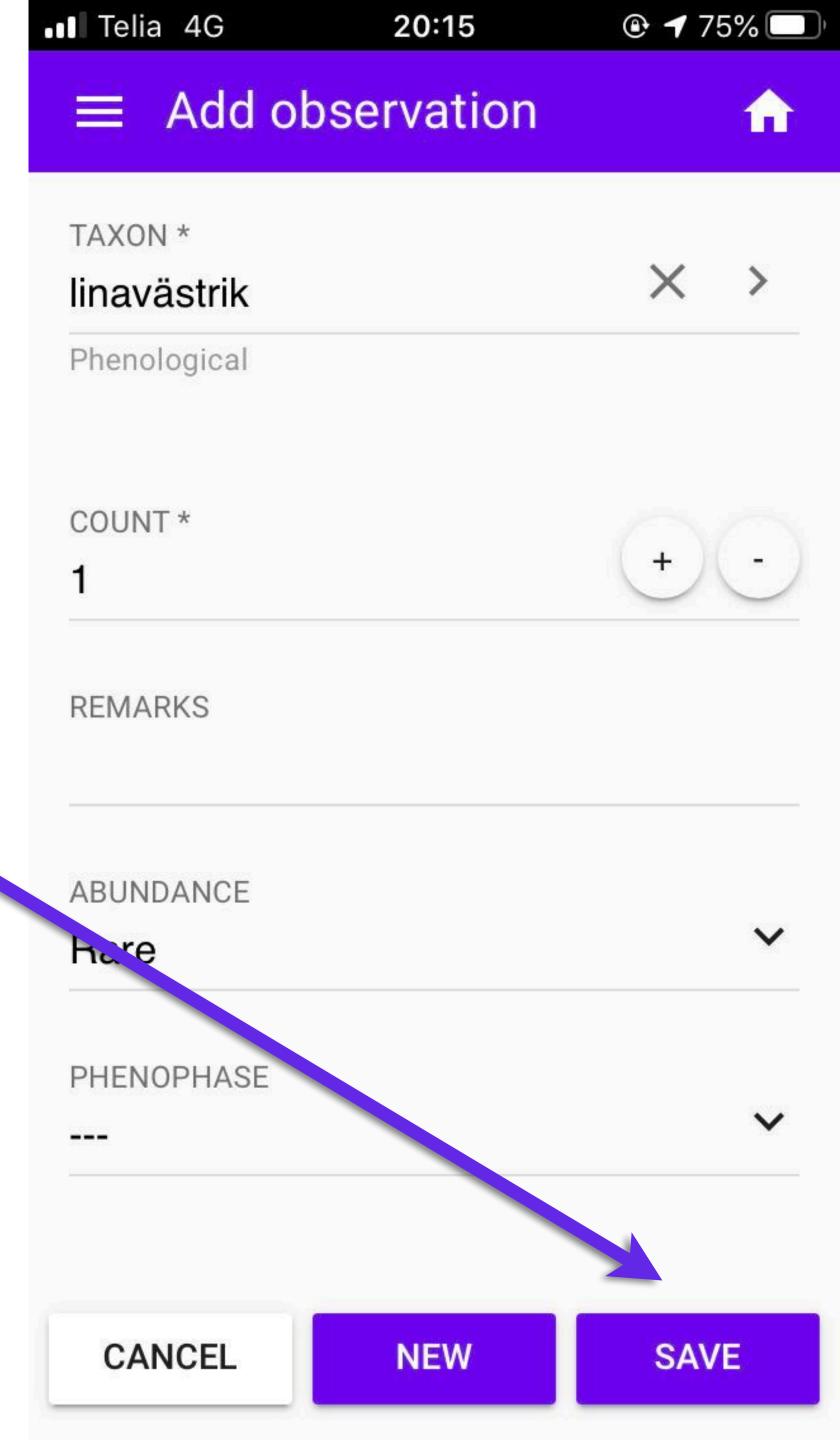
(*The choice of form restricts which taxa are allowed to select. Taxon restrictions are made by the author / moderator of the form on the PlutoF workbench. These taxon restrictions can be later modified and supplemented.)



Save observation

Save observation

(*Saving does NOT mean that the observation has been uploaded to the PlutoF workbench. Upload must be done separately.)

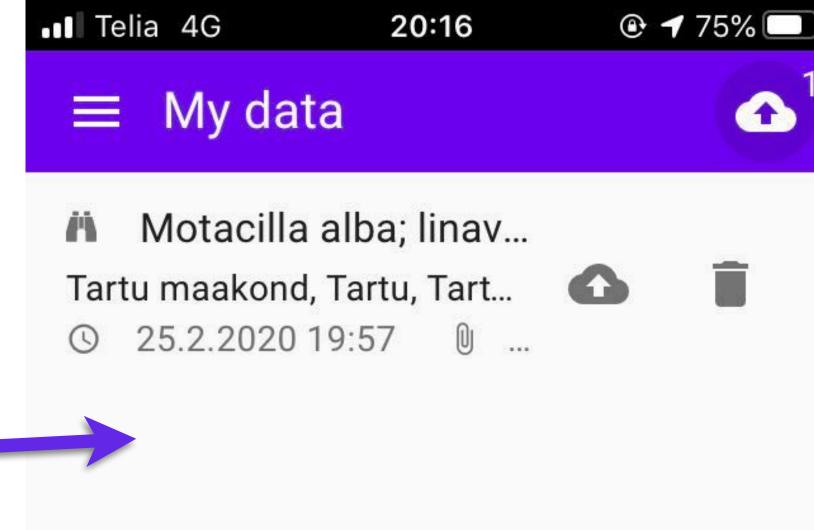


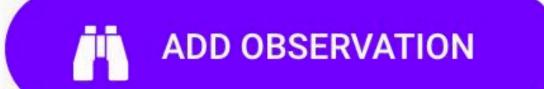
Save observation

Save observation

All saved observations are added to the "My Data" view

(*If there is an observation listed in "My Data", it means that the observation has not yet been uploaded to the PlutoF workbench.)

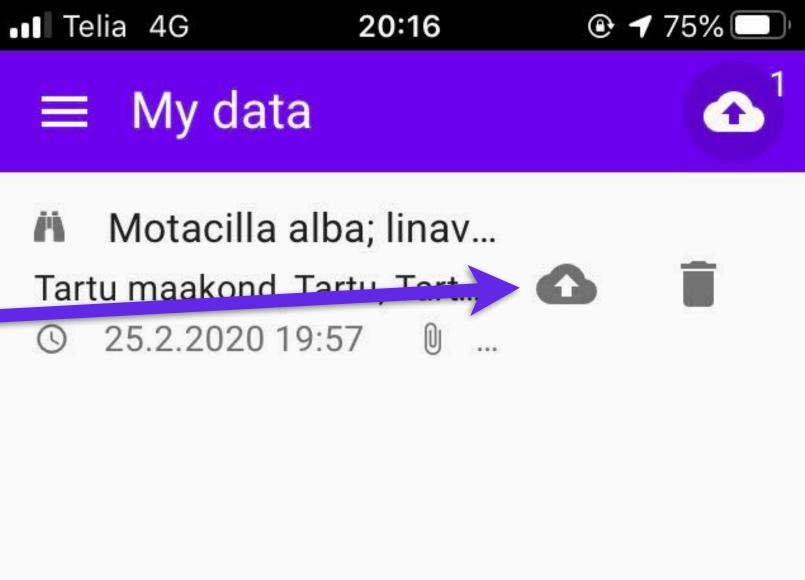


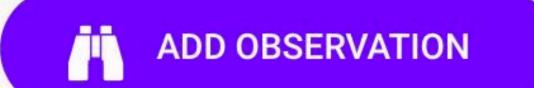


Upload to PlutoF

Upload observation to PlutoF workbench

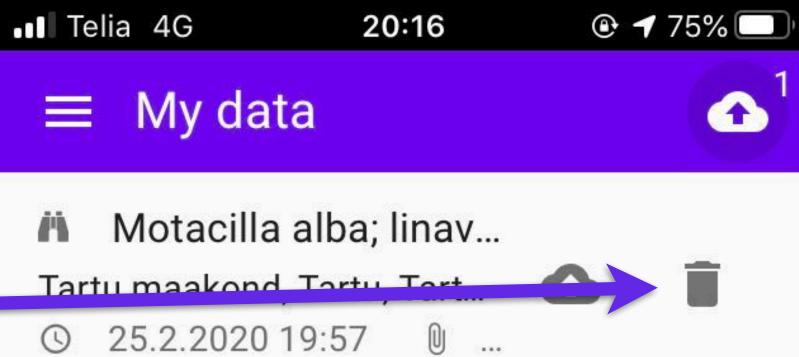
(*Nature observation has been successfully uploaded when it is no longer visible in the "My data" view.)





Deleting observation

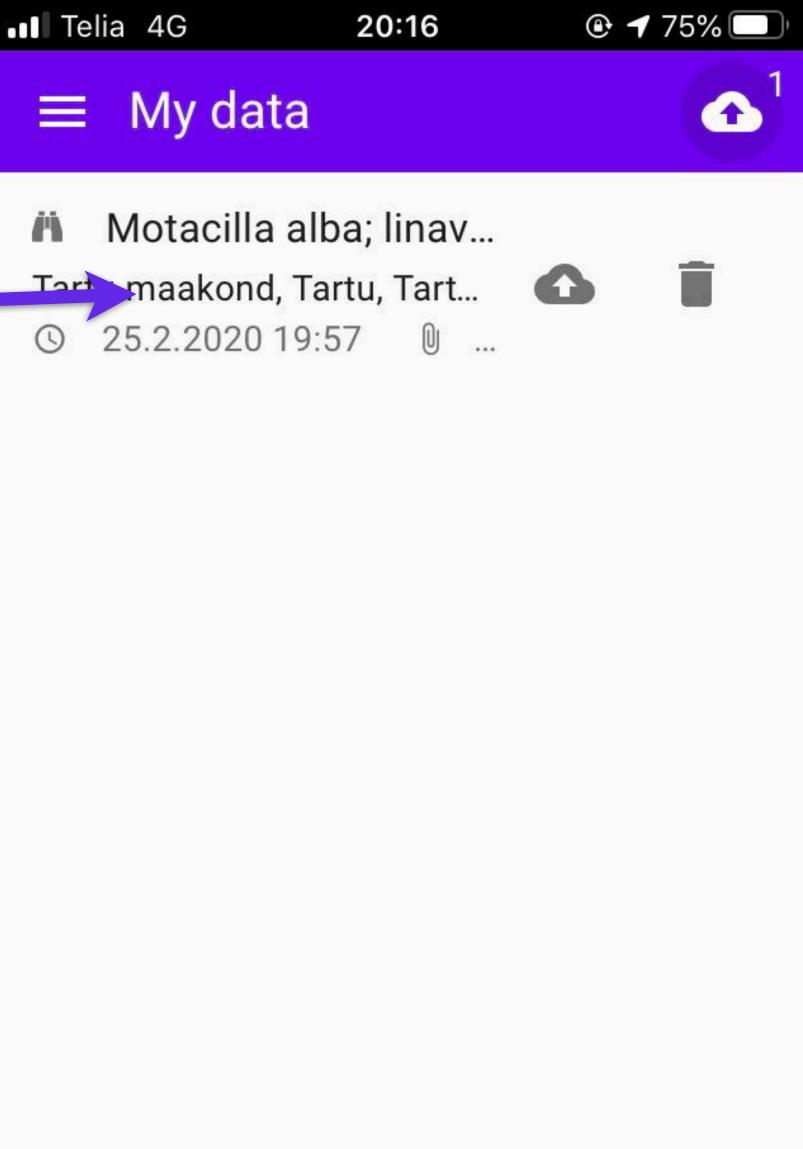
Delete saved view



Edit observation

Open observation for editing

(*In Legulus, observation can only be edited before uploading to PlutoF. Later, the observation can be modified and enhanced on the PlutoF workbench.)





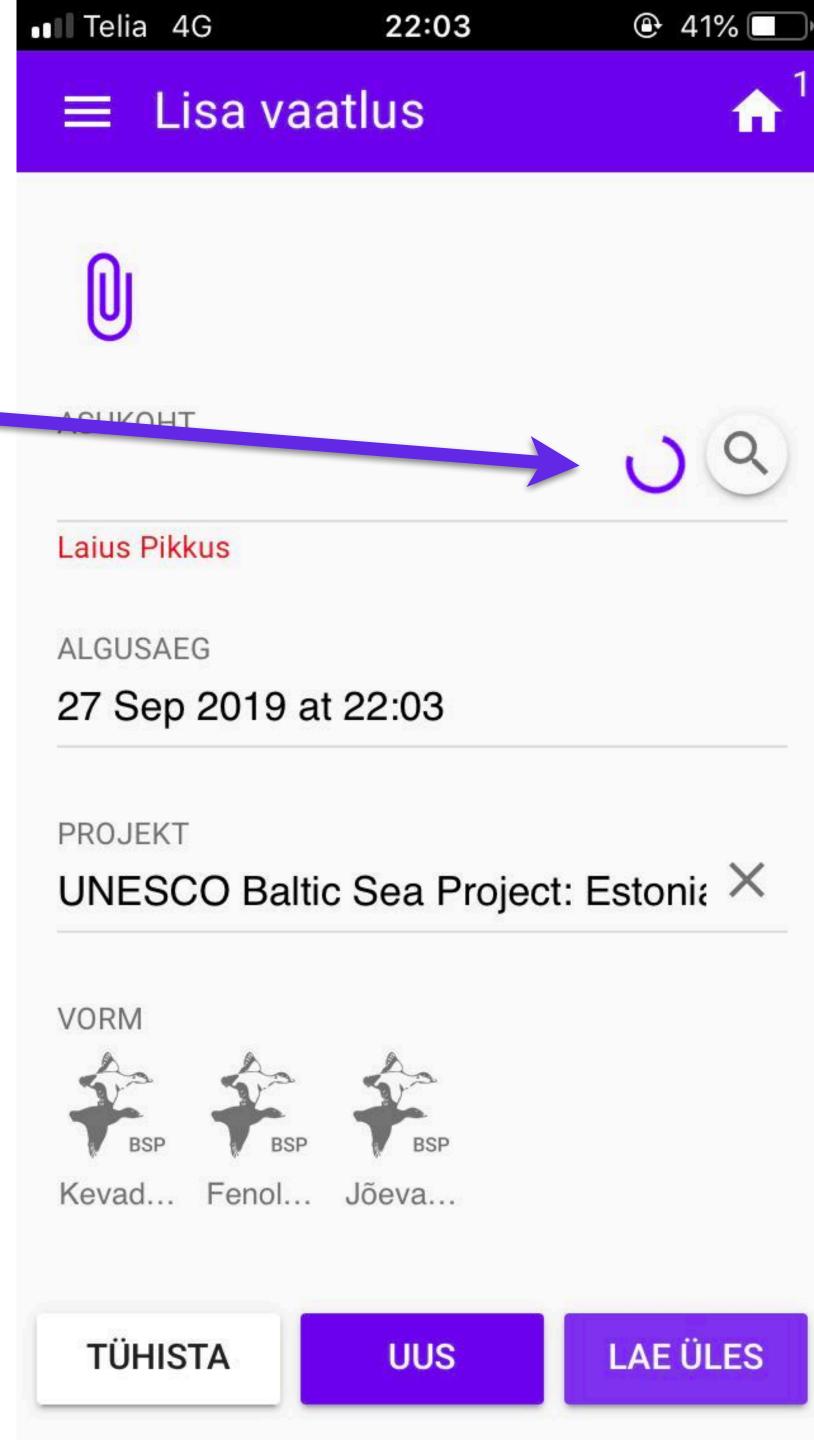
Phone Settings - GPS

Missing "location" information and the rotating icon indicate that the phone's GPS might be turned OFF

GPS should be turned ON for comfortable use of Legulus. GPS Setting in phone menu:

iPhone = Settings > Privacy > Location Services.

Android = Settings > Location



KIK projekt nr 12559 "Säästva arengu haridusele suunatud Läänemere Projekti (BSP) võrgustiku arendamine ja koostöö 2018-2020"









