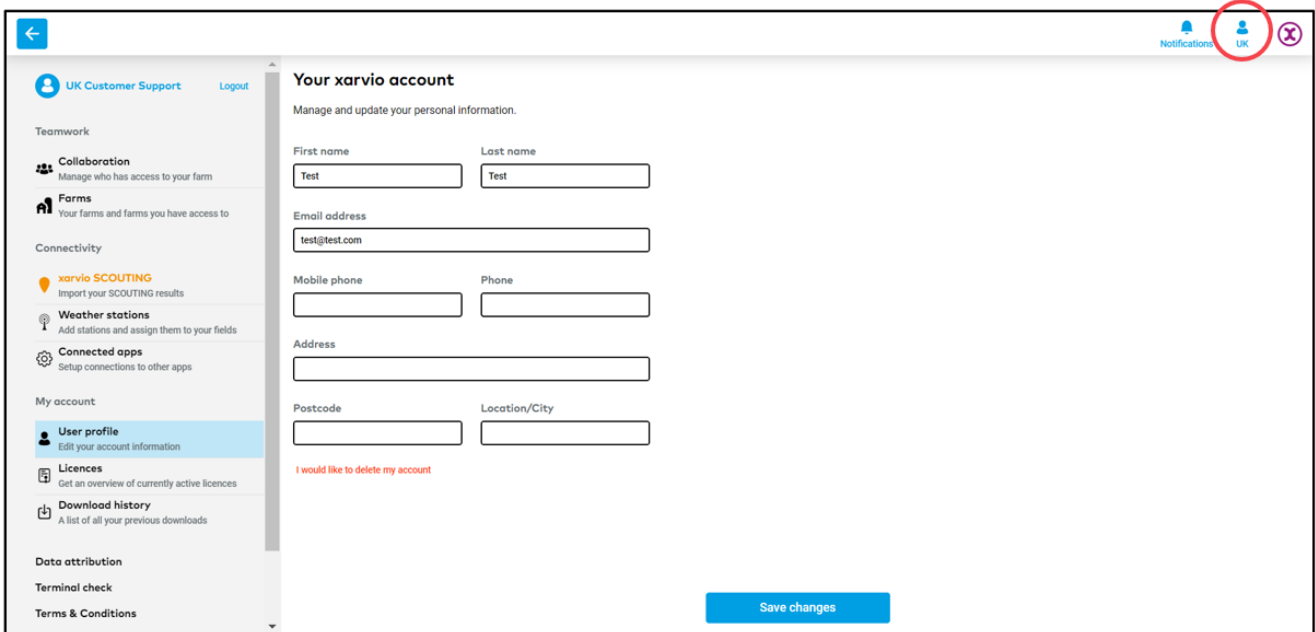


Weather station

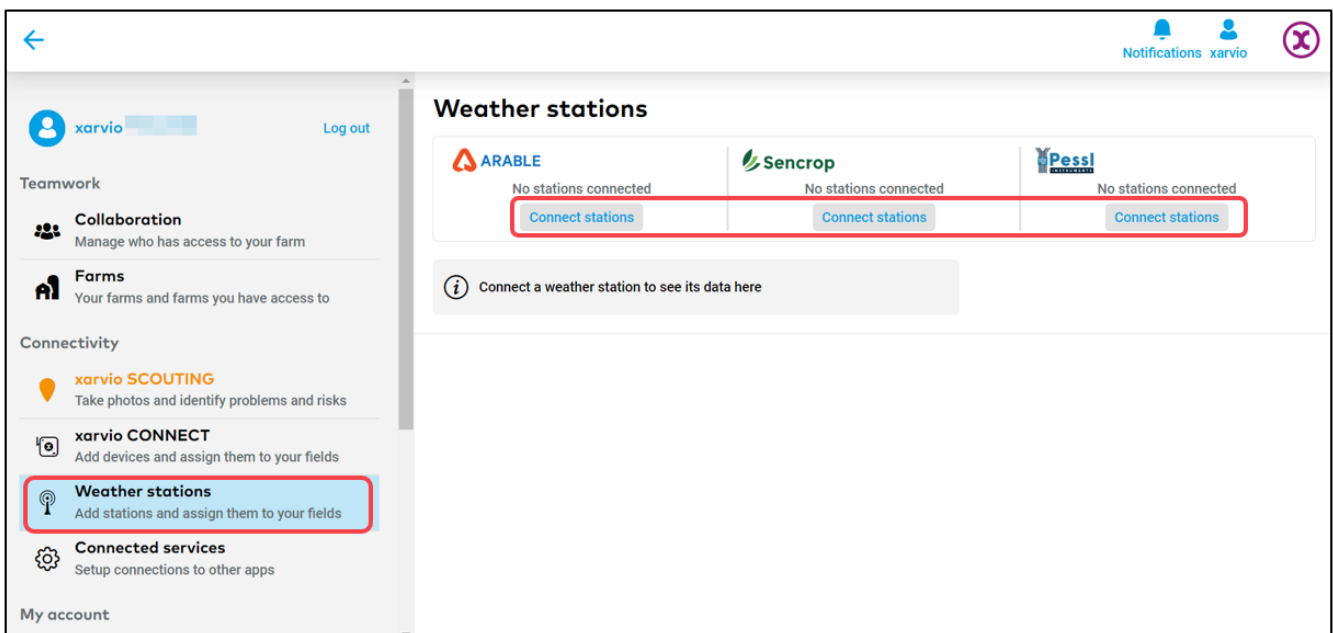
By linking weather station to xarvio FIELD MANAGER, **real time weather conditions** will be directly displayed in the platform. Additionally, the weather data from your device feeds into xarvio's algorithms and these measurements further improve the risk and growth stage models for more precise recommendations.

1. The first step is to connect the weather station to your FIELD MANAGER account.

- To do this, log into the application and click on **your profile** (top right corner of the screen).

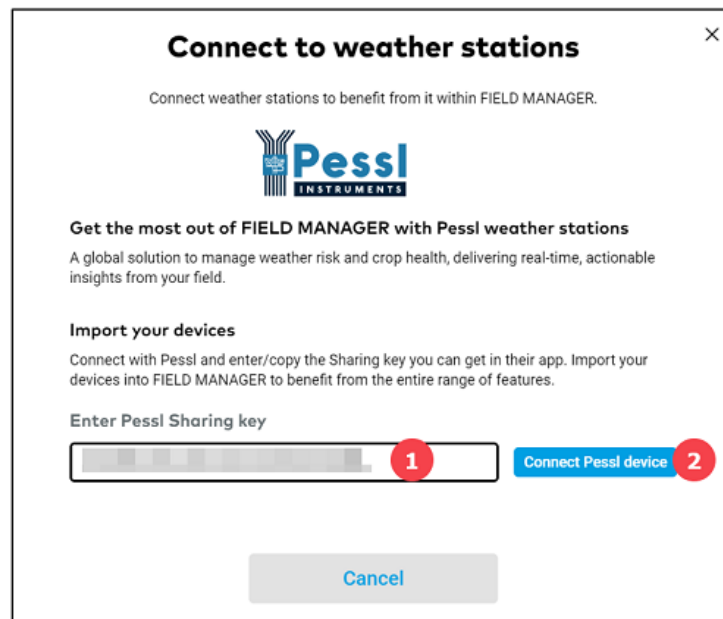


- On the left panel, click on **Weather stations** to integrate any weather station device you own (**Arable, Sencrop** or **Pessi**) with xarvio FIELD MANAGER.



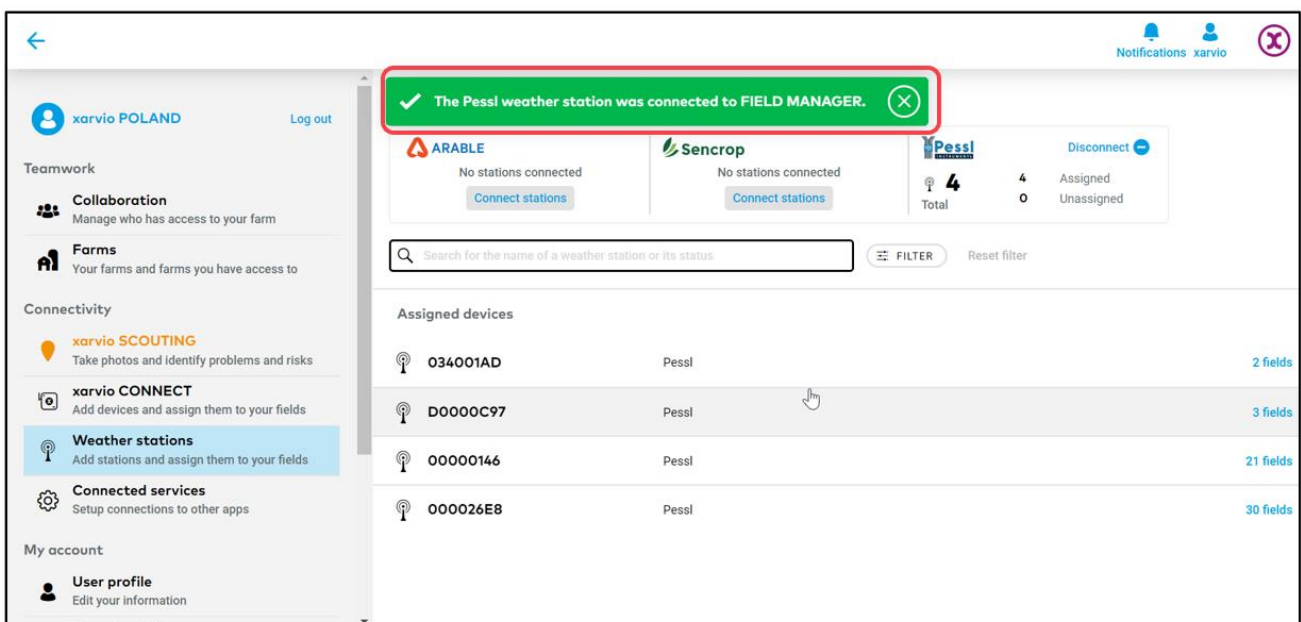

The API key (Arable) or Sharing key of the device is needed to connect it to xarvio FIELD MANAGER. This can be obtained right after purchasing the weather station (Arable) or it can be generated on our partners platform (Sencrop, FieldClimate by Pessi Instruments).

- Enter the **API key/Sharing key** for the device and click **Connect devices** to proceed.



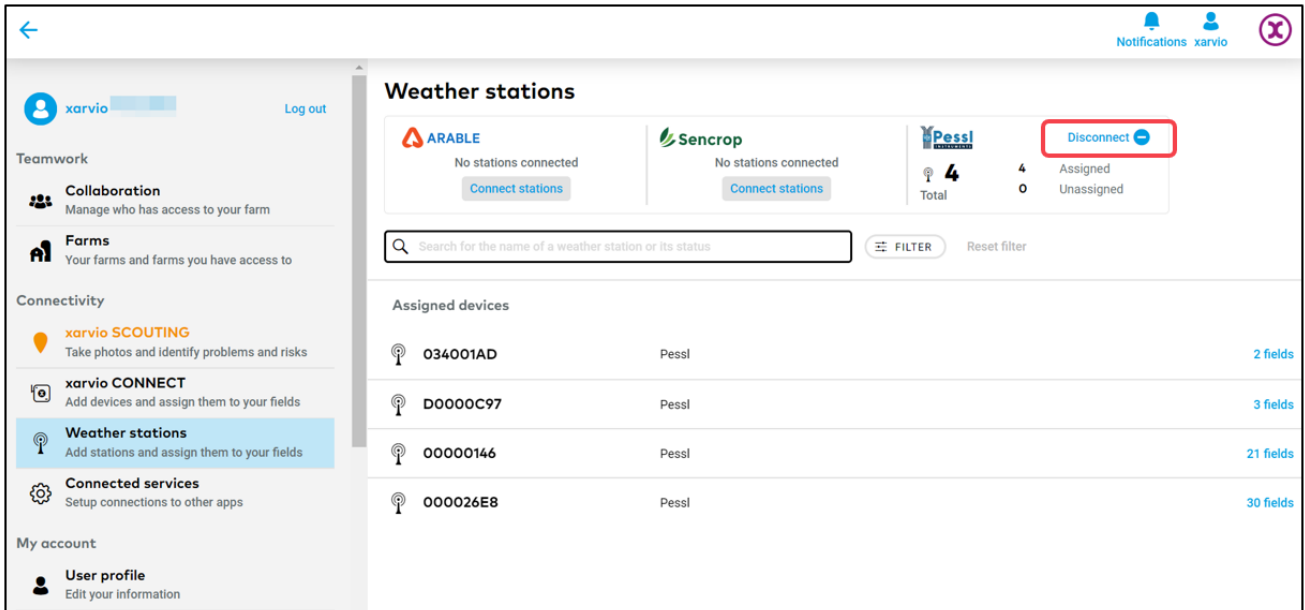
1. Paste or enter **API/Sharing key**.
2. Click **Connect device** to display weather data.

- Once successfully connected, all devices linked to that **API/Shared key** will be displayed.

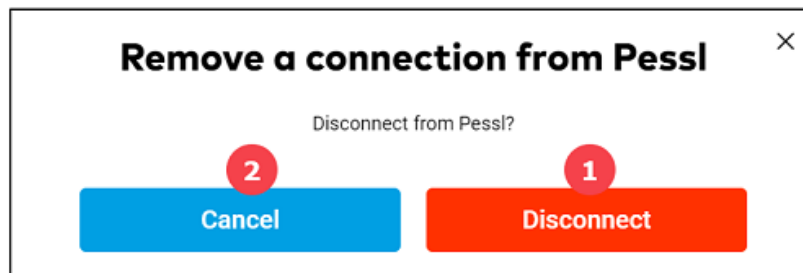


- Next step is to **assign fields** in xarvio FIELD MANAGER and get live in-field weather data.

- If you want to disconnect the device from xarvio FIELD MANAGER, click on **Disconnect**.



- On the **pop-up screen**, click:
 1. **Disconnect** to proceed.
 2. **Cancel** to abort disconnection.

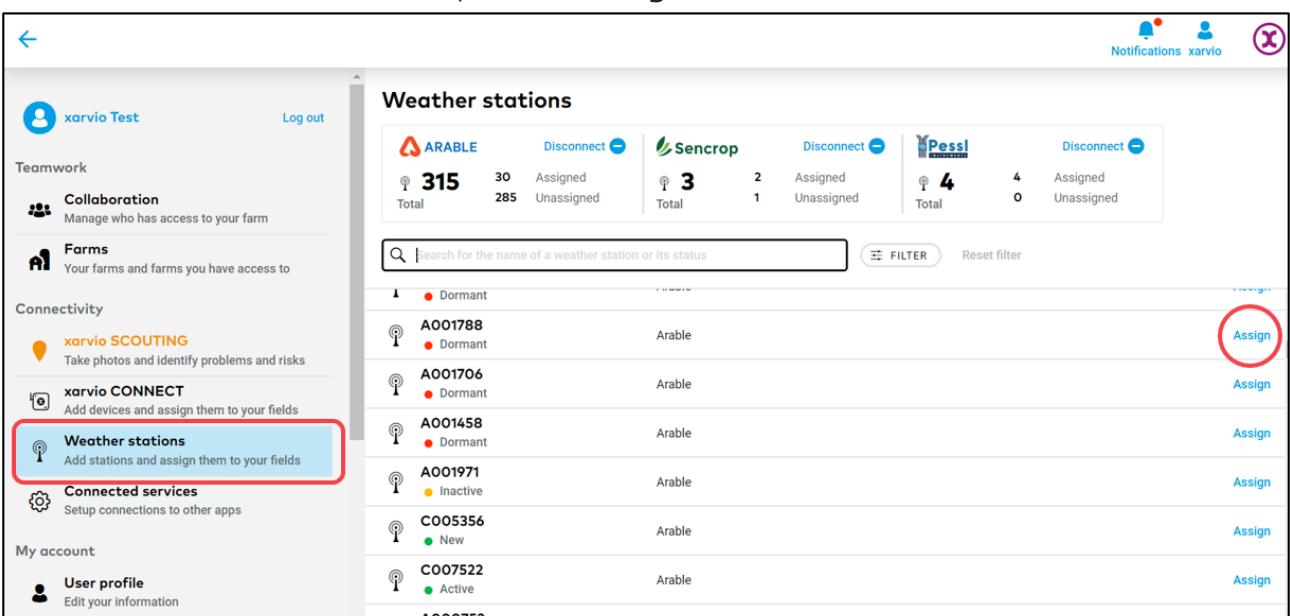


2. The second step is to assign field(s) to the weather station device in FIELD MANAGER.



Assigning the field is essential to incorporate the field-specific weather data with xarvio's agronomic models and receive more precise field recommendations.

- In the **Weather station** section, click on **Assign** to add a field.



- If some of your fields are already assigned to a weather station and you would like to add another one, find the device and click **Assign field** in right top corner.

A001808 Assign fields

ARABLE A001808 Station - Live weather

27.7 °C **71.0 %** **281.2 W/m²** **0.0 mm** **- %** **- km/h** **-**
 Temperature Humidity Solar radiation Precipitation Soil moisture Wind speed Wind direction

Status

● **Active** **62 %** Battery health **Very Good** Signal strength

Station location -60.503502, -31.826309

Connected fields Historic connections

Field name	Farm name	Connected since	
Field 001 40.99 ha	farm TEST test test	03. Mar 2021	Edit Disconnect
Field 005 31.82 ha	farm TEST test test	03. Mar 2021	Edit Disconnect

- xarvio FIELD MANAGER will list the fields that are closer to the device.
- On the next screen, select the fields to map and click **Assign to station**.

Weather station assignment ✕

A001808 ● Active
 assigned since 03.03.2021 2

Selected fields 3
[Reset all assignments](#)

farm TEST
 Field 002
17.26 ha 4

5
Assign to station

1

1. **Select** or **de-select** fields on the map just by clicking on them.
2. Enter the **date** of assignment.
3. Click to **Reset all assignments**.
4. Click to **delete** particular field from the list.
5. Click **Assign to station** to map selected fields to you weather station.

- Fields currently **connected** to your device will be listed in **Connected fields** section.

A001808 Assign fields

ARABLE A001808 Station - Live weather

27.7 °C **71.0 %** **281.2 W/m²** **0.0 mm** **- %** **- km/h** **-**
 Temperature Humidity Solar radiation Precipitation Soil moisture Wind speed Wind direction

Status

● **Active** **62 %** **Very Good**
 Battery health Signal strength

Station location -60.503502, -31.826309

Connected fields Historic connections

Field name	Farm name	Connected since	
Field 001 40.99 ha	farm TEST test test	03.Mar 2021 Edit	Disconnect
Field 005 31.82 ha	farm TEST test test	03.Mar 2021 Edit	Disconnect
Field 002 17.26 ha	farm TEST test test	03.Mar 2021 Edit	Disconnect

- If you want to **disconnect** a field assigned to your Arable device, click on **Disconnect** option.

A001808 Assign fields

ARABLE A001808 Station - Live weather

27.7 °C **71.0 %** **281.2 W/m²** **0.0 mm** **- %** **- km/h** **-**
 Temperature Humidity Solar radiation Precipitation Soil moisture Wind speed Wind direction

Status

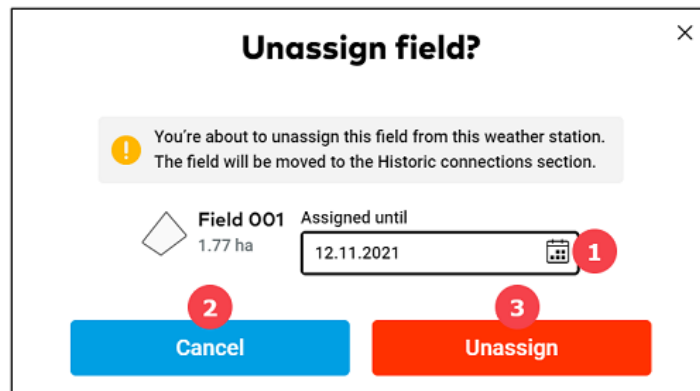
● **Active** **62 %** **Very Good**
 Battery health Signal strength

Station location -60.503502, -31.826309

Connected fields Historic connections

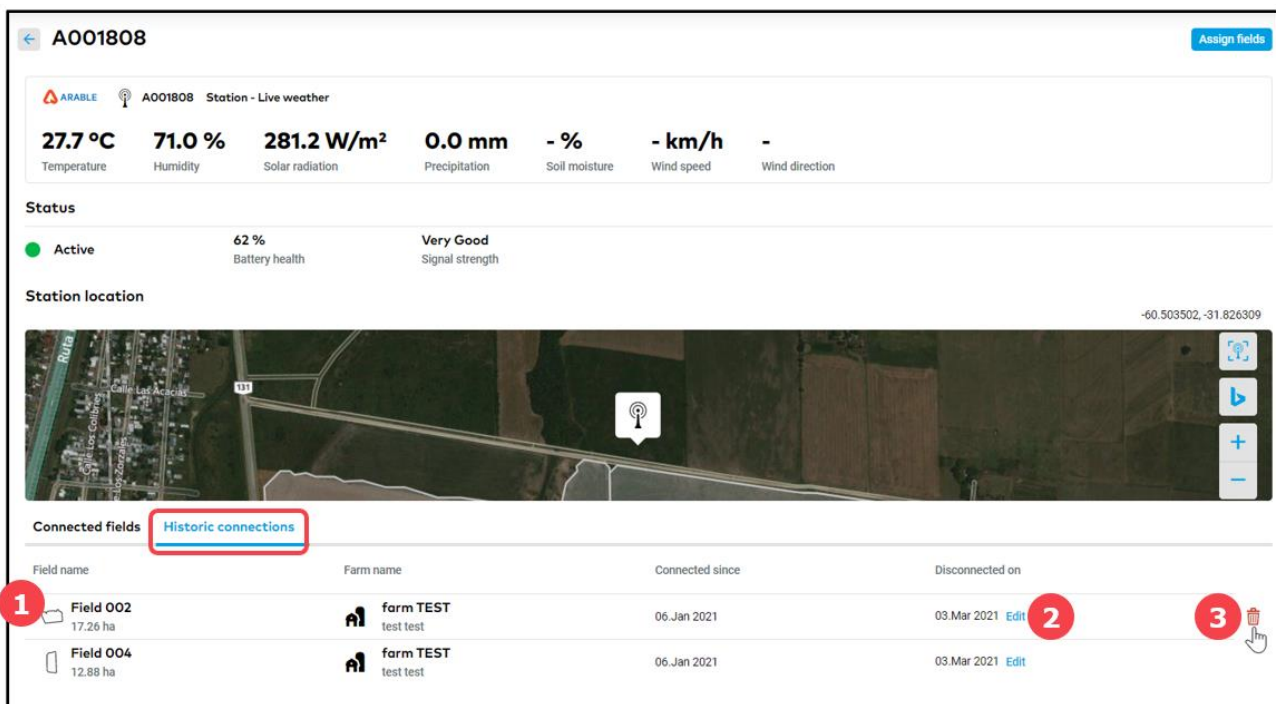
Field name	Farm name	Connected since	
Field 001 40.99 ha	farm TEST test test	03.Mar 2021 Edit	Disconnect
Field 005 31.82 ha	farm TEST test test	03.Mar 2021 Edit	Disconnect
Field 002 17.26 ha	farm TEST test test	03.Mar 2021 Edit	Disconnect

- On the next screen, confirm by clicking on **Unassign**. Fields can always be reassigned to the device.



1. Enter the **date** of disconnection.
2. Click **Cancel** if you change your mind.
3. Click **Unassign** to proceed.

- Disconnected fields can be found in **Historical connections** section.



1. List **fields disconnected** from the Arable device.
2. Click **to edit the disconnection date**.
3. **Delete** the field from the list.

- Once the fields are successfully linked to the weather station in xarvio FIELD MANAGER, you will be able to see all **live weather data** captured by the device.

The screenshot displays the xarvio FIELD MANAGER interface for a weather station. At the top, the device name 'A001808' is shown with a red circle '1' next to it. Below this, the 'Station - Live weather' section (marked with a red circle '2') displays various weather metrics: Temperature (24.8 °C), Humidity (92.0 %), Solar radiation (1.1 W/m²), Precipitation (0.8 mm), Soil moisture (- %), Wind speed (- km/h), and Wind direction (-). The 'Status' section (marked with a red circle '3') shows the device is 'Active', with a battery health of 63% and a signal strength of 'Very Good'. The 'Station location' section (marked with a red circle '4') includes a map showing the station's location and coordinates (-60.503479, -31.826441). Below the map, there is a table of 'Connected fields' with columns for 'Field name', 'Farm name', and 'Connected since'. The table lists three fields: Field 001 (40.99 ha), Field 005 (31.82 ha), and Field 002 (17.26 ha), all connected to 'farm TEST' on 03. Mar 2021. Each entry has an 'Edit' link and a 'Disconnect' button.

Field name	Farm name	Connected since
Field 001 40.99 ha	farm TEST test test	03. Mar 2021 Edit
Field 005 31.82 ha	farm TEST test test	03. Mar 2021 Edit
Field 002 17.26 ha	farm TEST test test	03. Mar 2021 Edit

1. Shows the device **name**.
2. Presents live in-field **weather data** received from the device.
3. Shows the **Status** of the device - activity, battery health etc.
4. **Device location** on the map along with its latitude and longitude.



Have you got any questions?
We are here for you!

Toll free phone: +49 30 22957857
Email: support@xarvio.info
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Obtaining xarvio Sharing Key

If you want to access real time weather data from your **weather station** in xarvio FIELD MANAGER and integrate them into xarvio agronomic models, you need to first obtain a **Sharing key**, which can then be entered into the xarvio FIELD MANAGER system.

For Sencrop weather station:

- Go to **Sencrop** portal <https://app.sencrop.com/login> and log into your account.

Hello! Happy to see you again 😊

New on Sencrop? [Register](#)

Your email

Your password

Log in

[Forgot your password?](#)

- Once logged in, click on your profile (top right corner of the screen) and select **DST** from the dropdown list.

Sencrop Dashboard Forecasts Maps Agronomy

All my stations Analyze my stations

Tailor your weather data to your needs
In order to personalize your app, complete your profile and your crops
[Complete my information](#)

Rainfall
0mm For 1 hour
0.5mm Yesterday

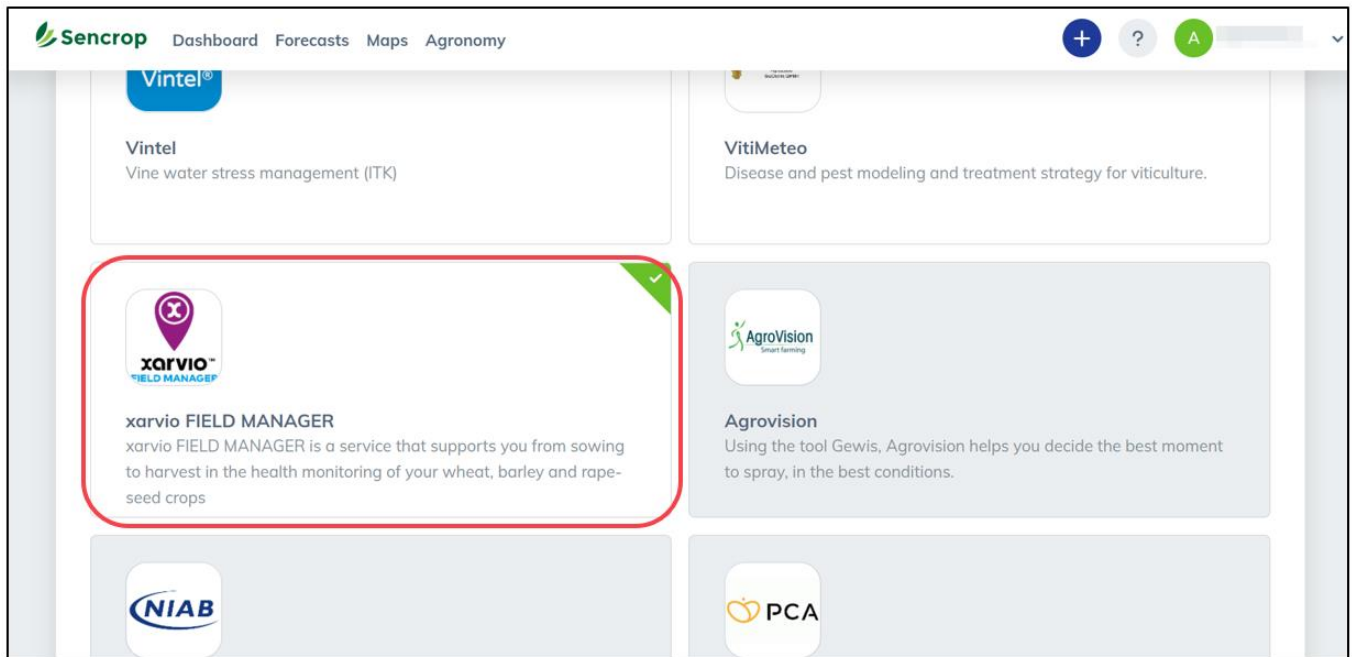
Rainfall
0mm Today
2.8mm Last 7 days

Rainfall
0mm For 1 hour
0mm Yesterday

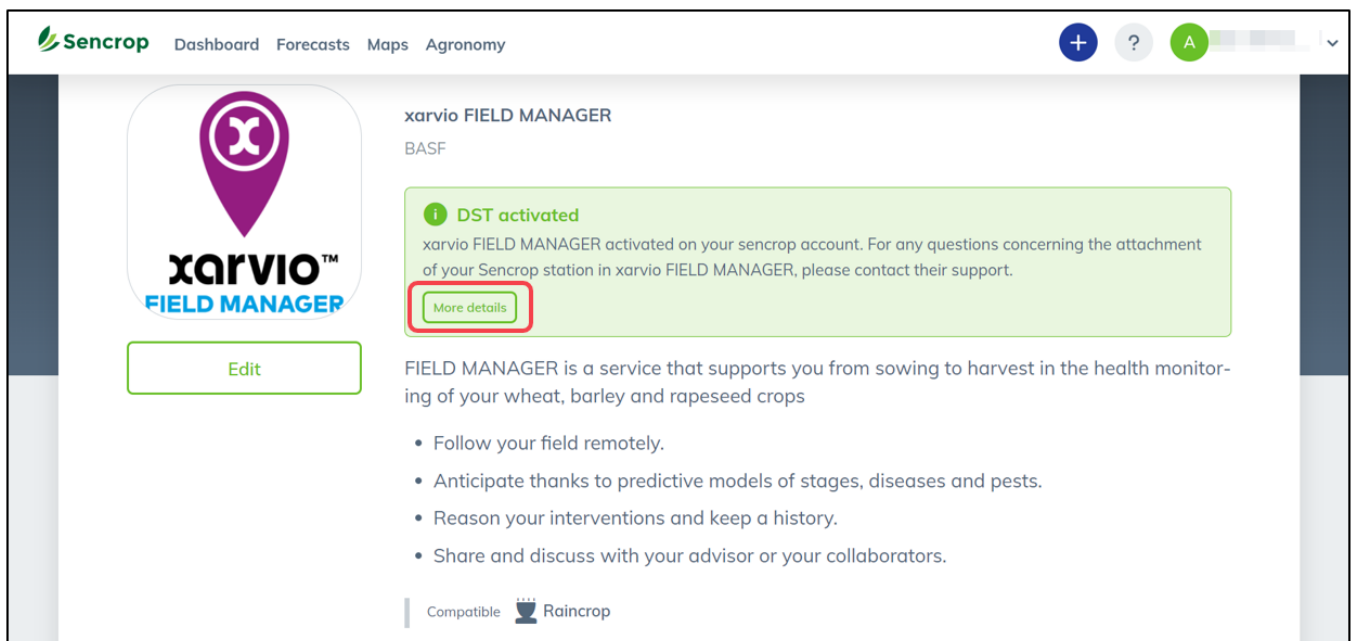
Rainfall
0mm Today
1.5mm Last 7 days

API Demo1
FARMING
Networks
Alerts
Cumulatives
DST
Quotes
ACCOUNT
My farm
Invitations
Settings
OTHER
Help
Log out

- From tools and services, select **xarvio FIELD MANAGER**.

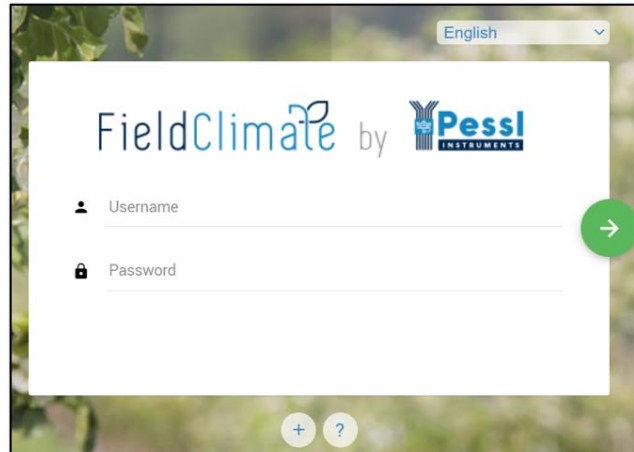


- Click on **More details** to get a **Sharing key** (activation code).



For Pessl weather station:

- Go to **FieldClimate by Pessl Instruments** portal: <https://ng.fieldclimate.com/auth/login> and log into your account.



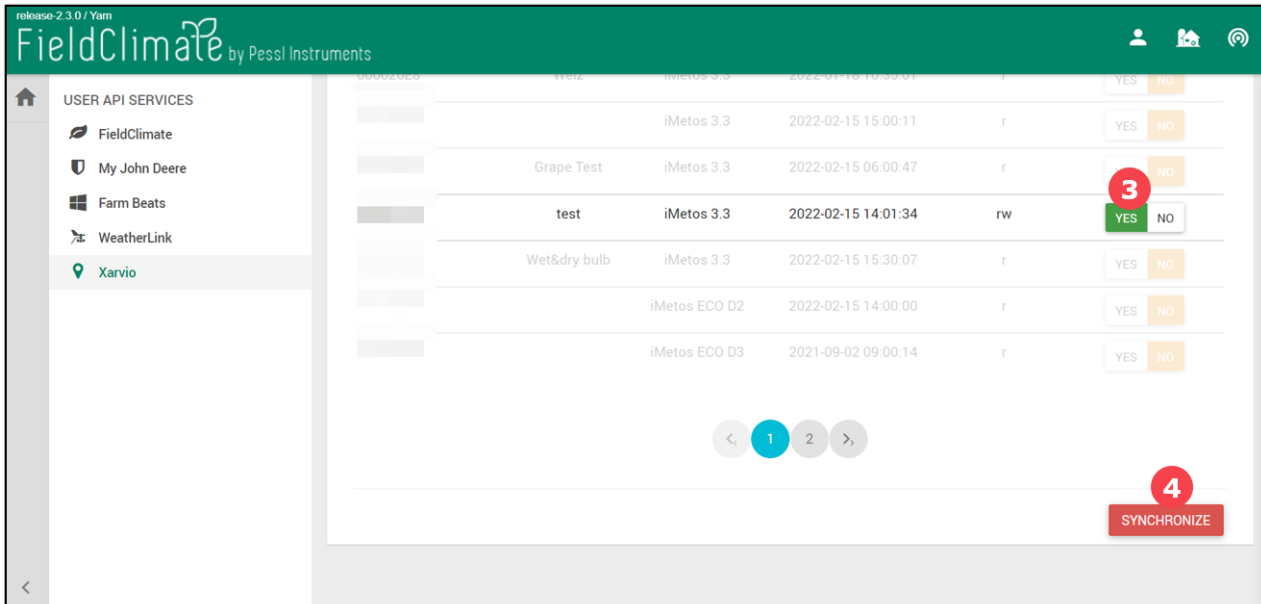
- Click on the **User Menu** in the top right corner and select **API services** from the drop-down list.

Date/Time ↓	HC Air t avg				
2022-02-15 12:00:00	9.71				
2022-02-15 11:00:00	7.82				
2022-02-15 10:00:00	6.17				
2022-02-15 09:00:00	3.08	5.19	-0.4	-3.7	-4.6
2022-02-15 08:00:00	-0.67	0.88	-1.95	-4.8	-5.4

- Select devices you want to **synchronize** with xarvio FIELD MANAGER.

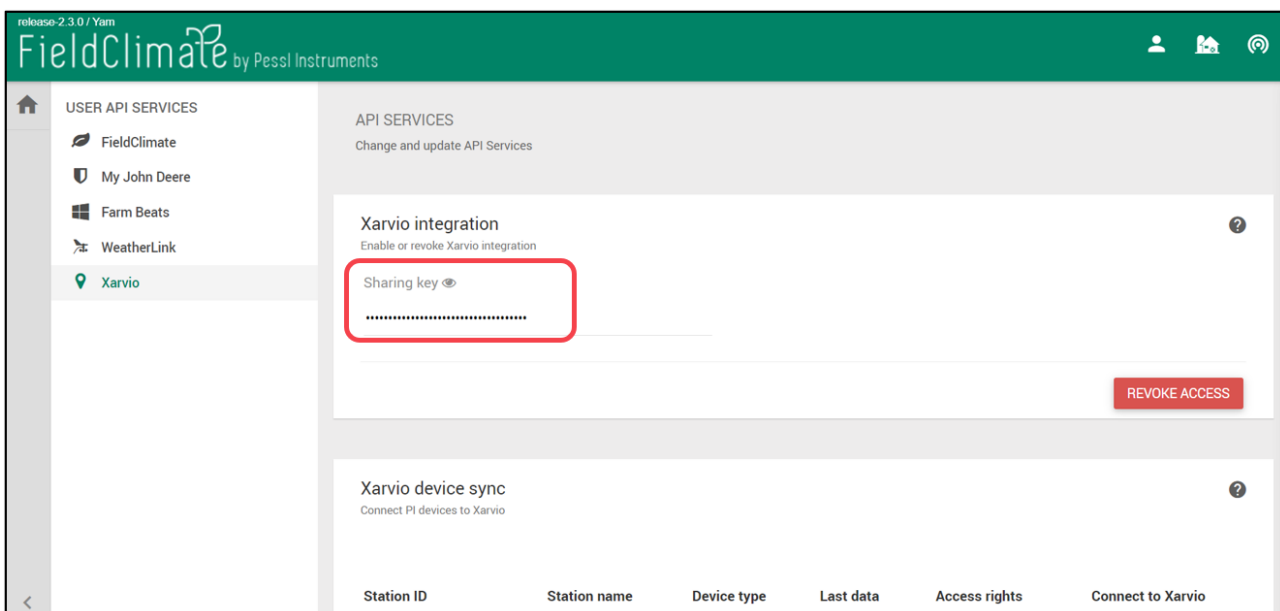
1

2 GRANT ACCESS



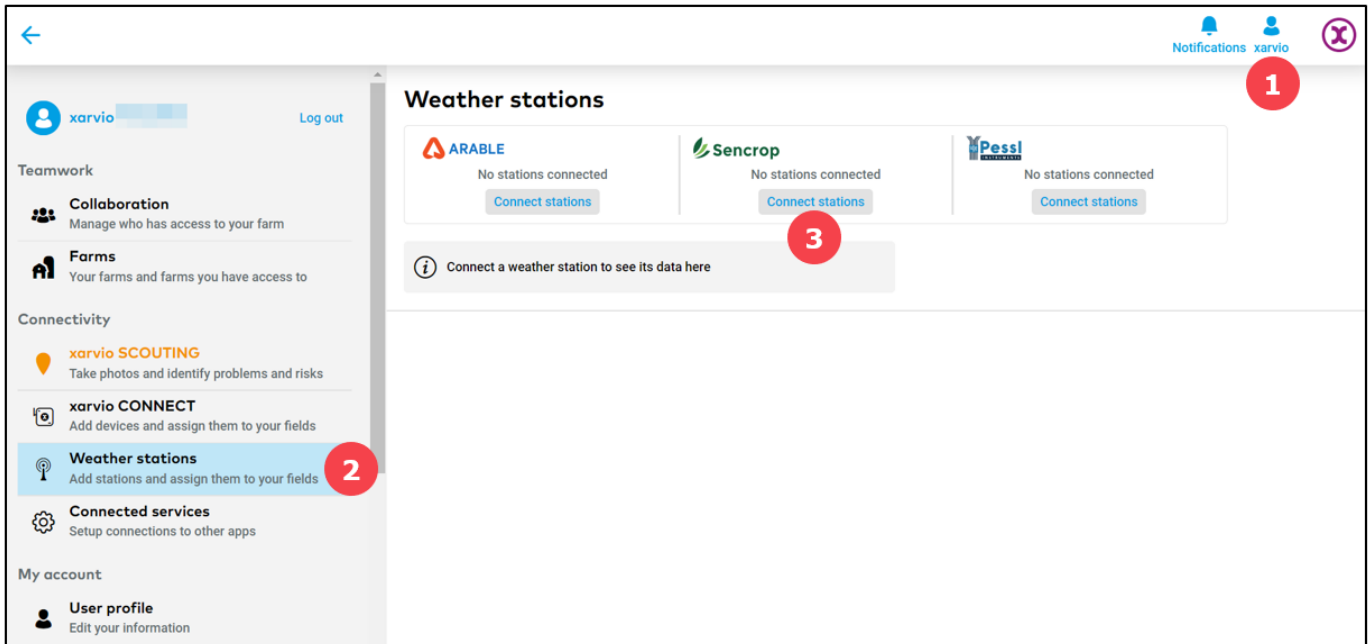
1. Select **xarvio** from **user API services**.
2. Click **Grant access** to list all available devices.
3. Connect weather station(s) to xarvio FIELD MANAGER, by click **YES** next to selected device(s).
4. Click **Synchronize** to proceed and link chosen devices with xarvio FIELD MANAGER.

- **Sharing key** required to integrate weather station with xarvio FIELD MANAGER, will be displayed at the top of the screen.

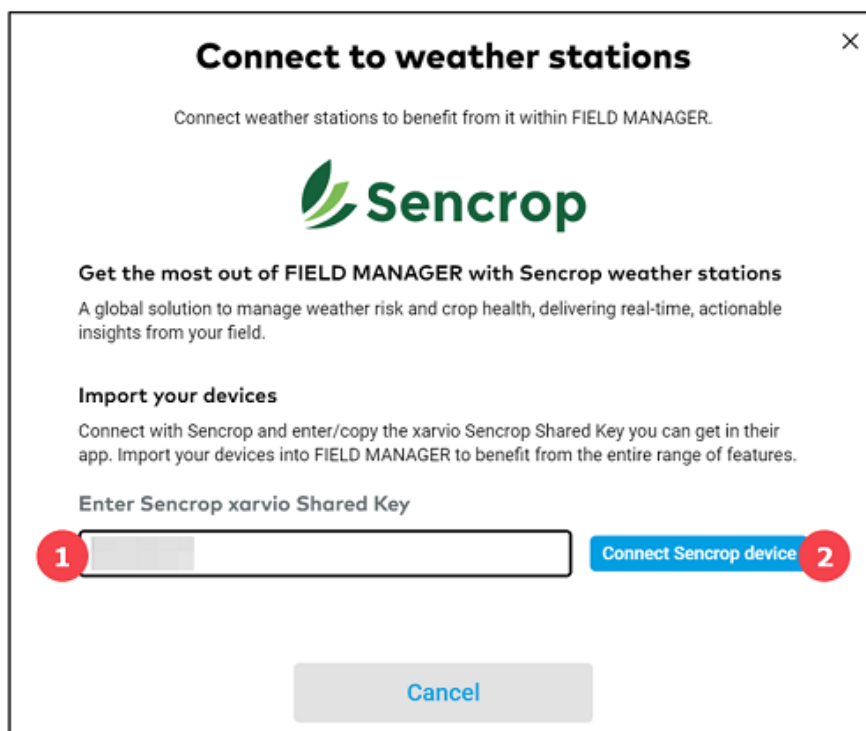


Please keep in mind that it can take up to 60 minutes after clicking SYNCHRONIZE, before your Sharing key is usable in xarvio FIELD MANAGER.

- Copy the Sharing key for the specific weather station and **return to your xarvio FIELD MANAGER account.**



1. Navigate to your **profile**.
2. Select **Weather station** from the menu on the left.
3. Click on **Connect station** to enter the key and connect your weather station to xarvio FIELD MANAGER.



1. Paste or enter generated **key**.
2. Click **Connect Sencrop device** to display weather data from the weather station in xarvio FIELD MANAGER.



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