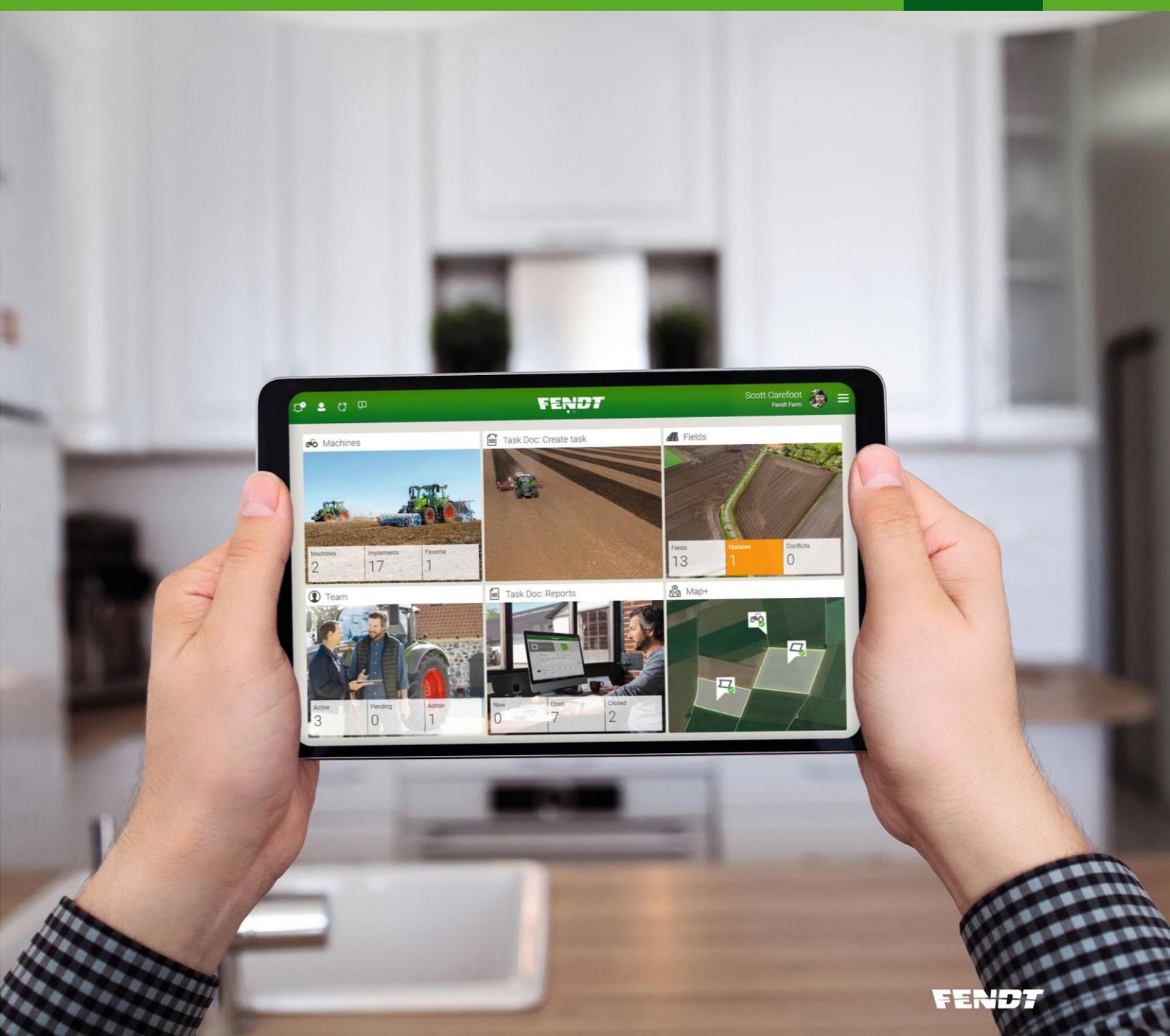# Quick-Start Guide

FendtONE offboard

FendtONE offboard
When planning and management become one.

With FendtONE offboard, you can start digitally documenting your operations easily and intuitively. Record all important data seamlessly and use it as a basis for better decisions and the optimisation of machines, personnel and operating resources.
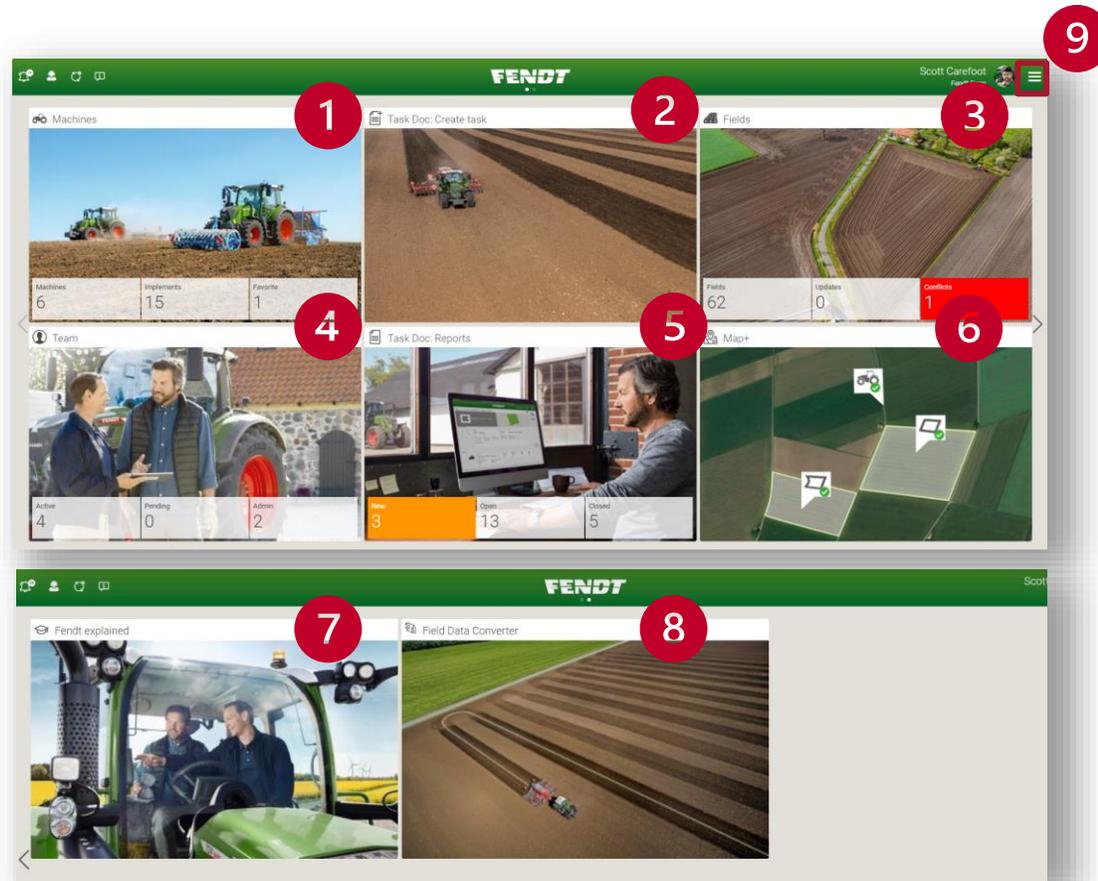
Instead of working with pen and paper, you benefit from wireless transmission of your deployment reports directly to the portal. FendtONE offboard is your interface to common FMIS portals available on the market. Your fleet uses standardised field data sets – with FendtONE offboard, you always have an overview..

The FendtONE offboard Quick Start Guide is a **step-by-step guide** that makes it easy for you to get started and work with FendtONE offboard.
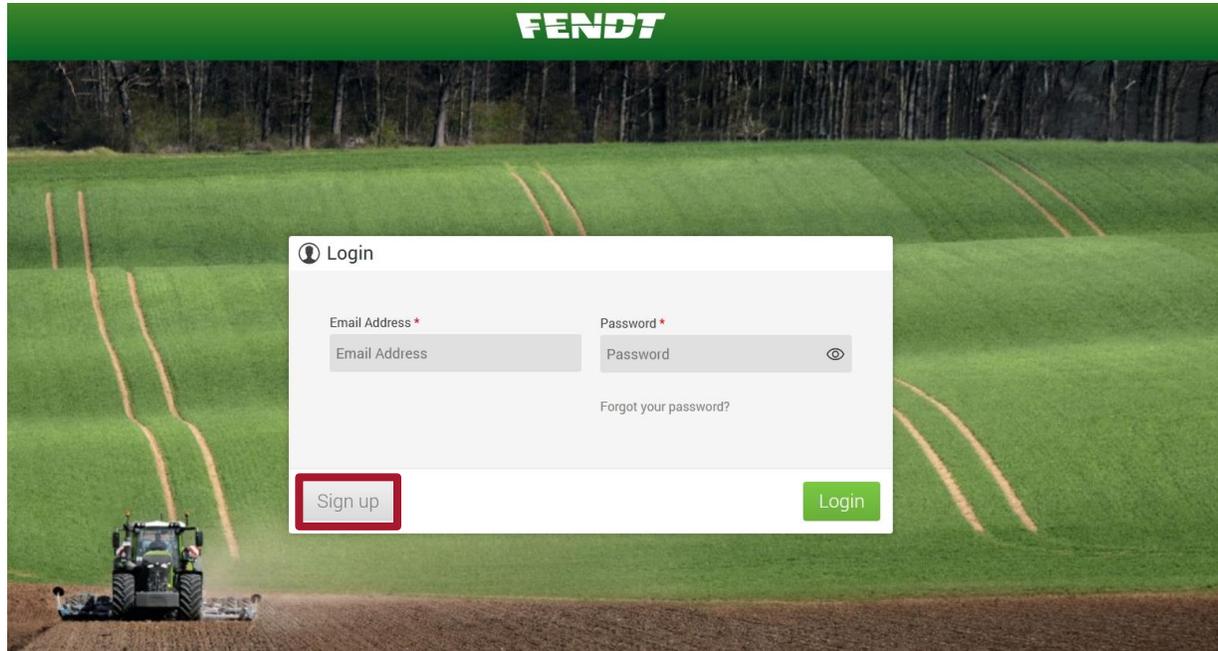
FENDT

Overview

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FendtONE offboard:
Digital recording, analysis and management of data

1. **Machines:** Add your machines and implements.

2. **Task Doc: Create Task:** Create new tasks with a few clicks and send them to your machine.
   Add field boundaries, attachments and team members.
   Create optimised AB lines for your fields and implements.

3. **Fields:** Manage your master data, such as field boundaries and waylines.

4. **Team:** Add all the people involved in your farm.

5. **Task Doc: Task reports:** View reports on completed tasks.
   Fuel consumption, working time and other operating resources such as pesticide products or fertiliser.
   Visualise your order report in the Heat Map.

6. **Map+:** Track the live positions of your Fendt fleet.
   Navigate to your machines, fields or points of interest.

7. **Fendt Explains:** Watch the explanation videos for FendtONE.

8. **Field data converter:** Convert field data from different sources and in different formats into usable data for the entire fleet.

9. **System settings:** Here, you can change your settings, view your settings, or add new apps, such as the wayline generator.

Step 1: Create a FendtONE offboard account

Create a free FendtONE offboard account at www.fendt.one with the "Registration" button.

A window will open for creating an AGCO ID.

The specified farm name and the vehicle owner when adding the machines in step 3 should be identical to simplify subsequent machine verification.

After successful registration, FendtONE offboard can be used immediately.

Tip: If your machine doesn't have the FendtONE driver's workstation, it is recommended to select the offboard registration carried out by your dealer (DIOB).
This ensures that you add it to the offboard account.

Step 2: Enter a dealer
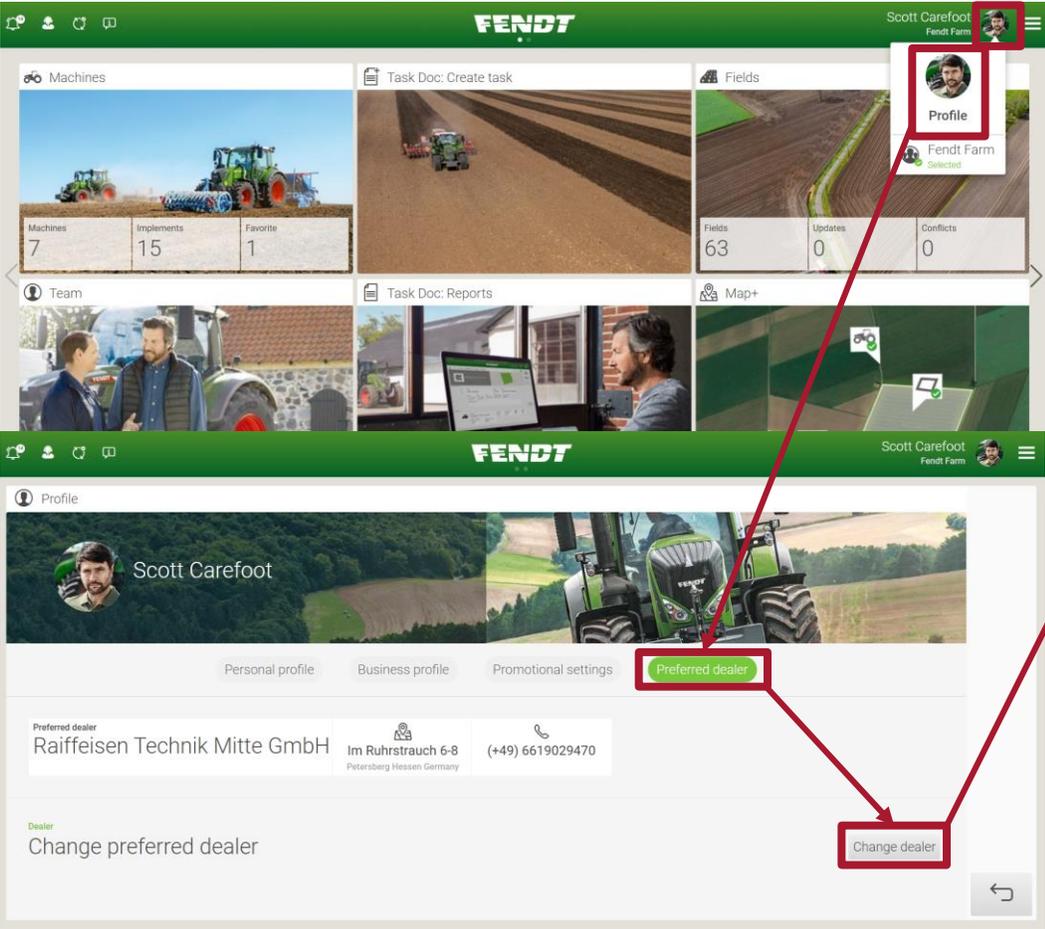## When creating a FendtONE offboard account
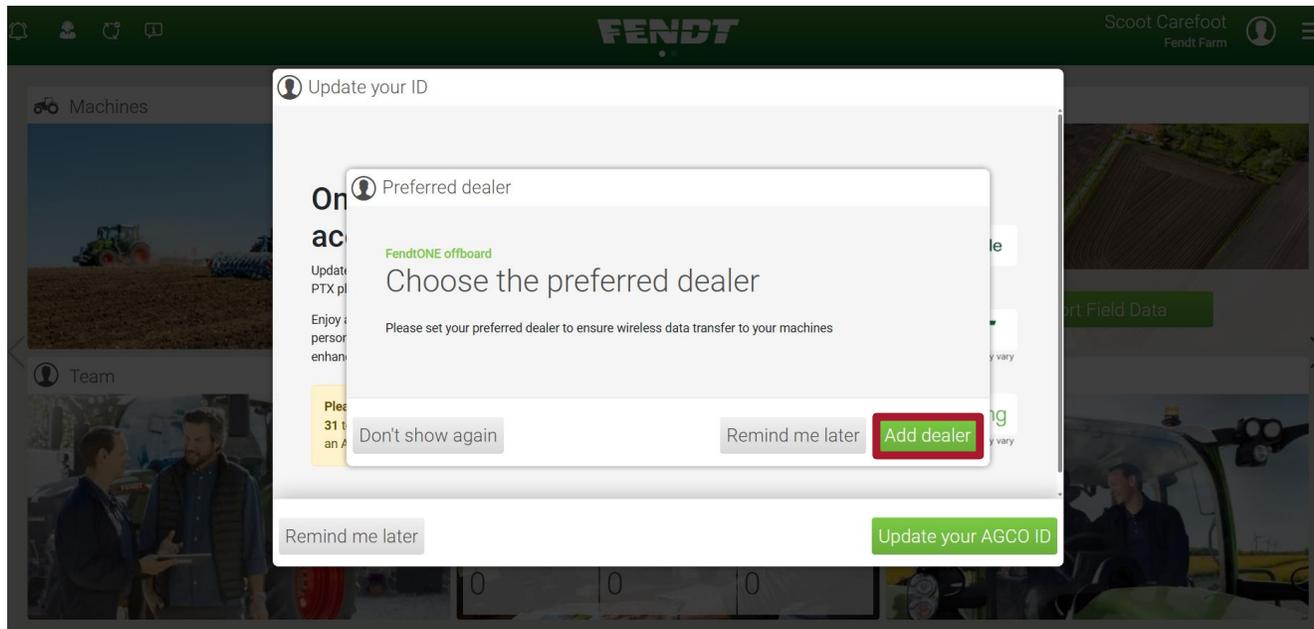
After logging into your new FendtONE offboard account, a pop-up opens, asking for the preferred dealer.
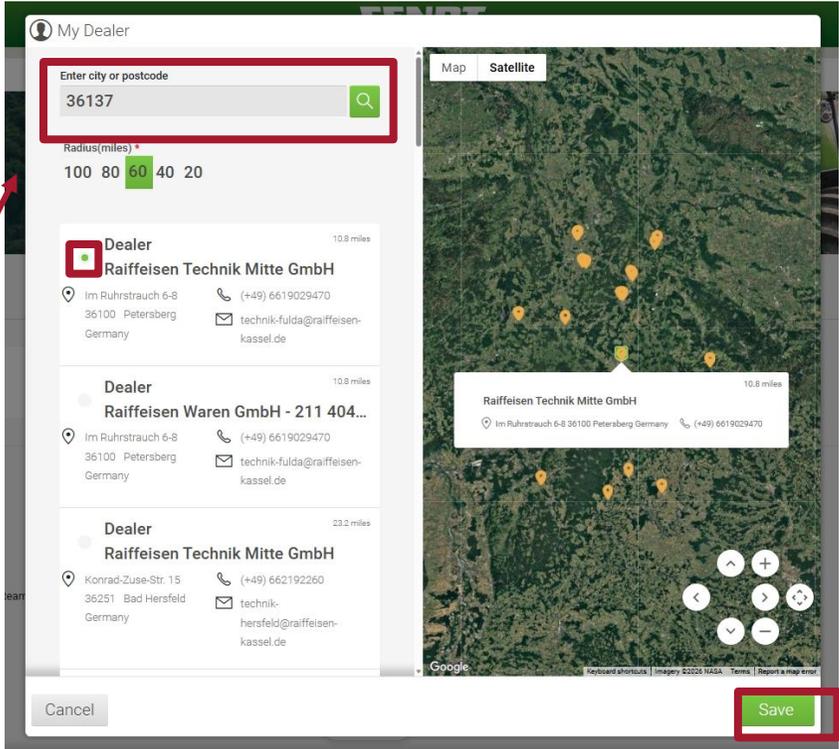
In order to receive optimal support and to ensure wireless data exchange with your machines, entering your dealer is essential.

Step 2: Enter a dealer
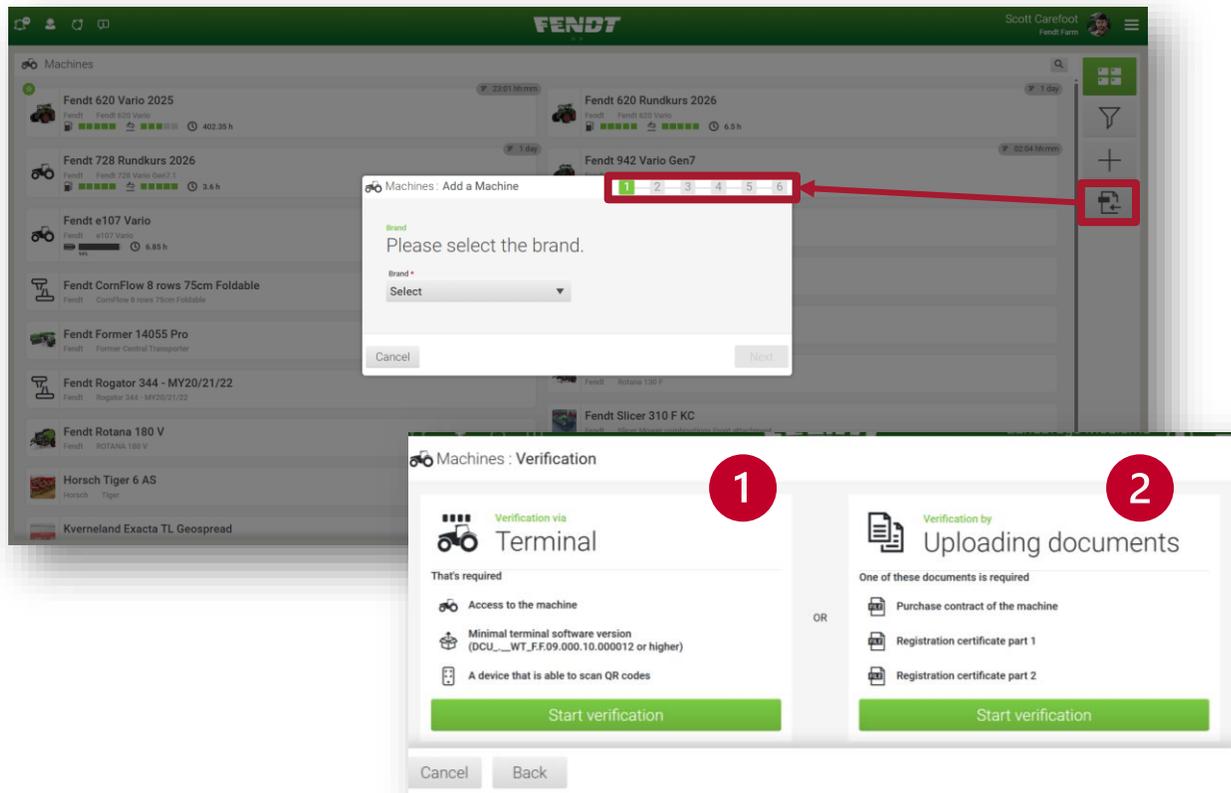## Subsequent setup of a dealer

Subsequently entering a preferred dealer can only be done by the account owner via their profile.

Step 3: Add machines
Select the verification options

In FendtONE offboard

If the tractors are to exchange data wirelessly with FendtONE offboard, they must be added and verified.
To ensure data security, the FendtONE offboard account owner must match the vehicle owner.

When adding the machines, there are two methods of verification:

- **Verification via Terminal (1):** If a FendtONE tractor with the latest software version is added, the "Verification via terminal" option is offered in the process. A code is generated that is valid for 120 minutes and must be entered in the tractor terminal. In the final step, a QR code is generated, which must be scanned with a mobile camera. The machine is now immediately verified and active in FendtONE offboard.

- **Verification via uploading documents (2):** If a Fendt tractor or Fendt self-propelled machine is added, the "Upload verification via documents" option is offered in the process and requested after the upload of the purchase contract, the vehicle registration certificate or the vehicle title. It then can take up to 24 hours to verify ownership of the machine. The machine appears in grey in the machine overview as long as the verification process has not been completed.
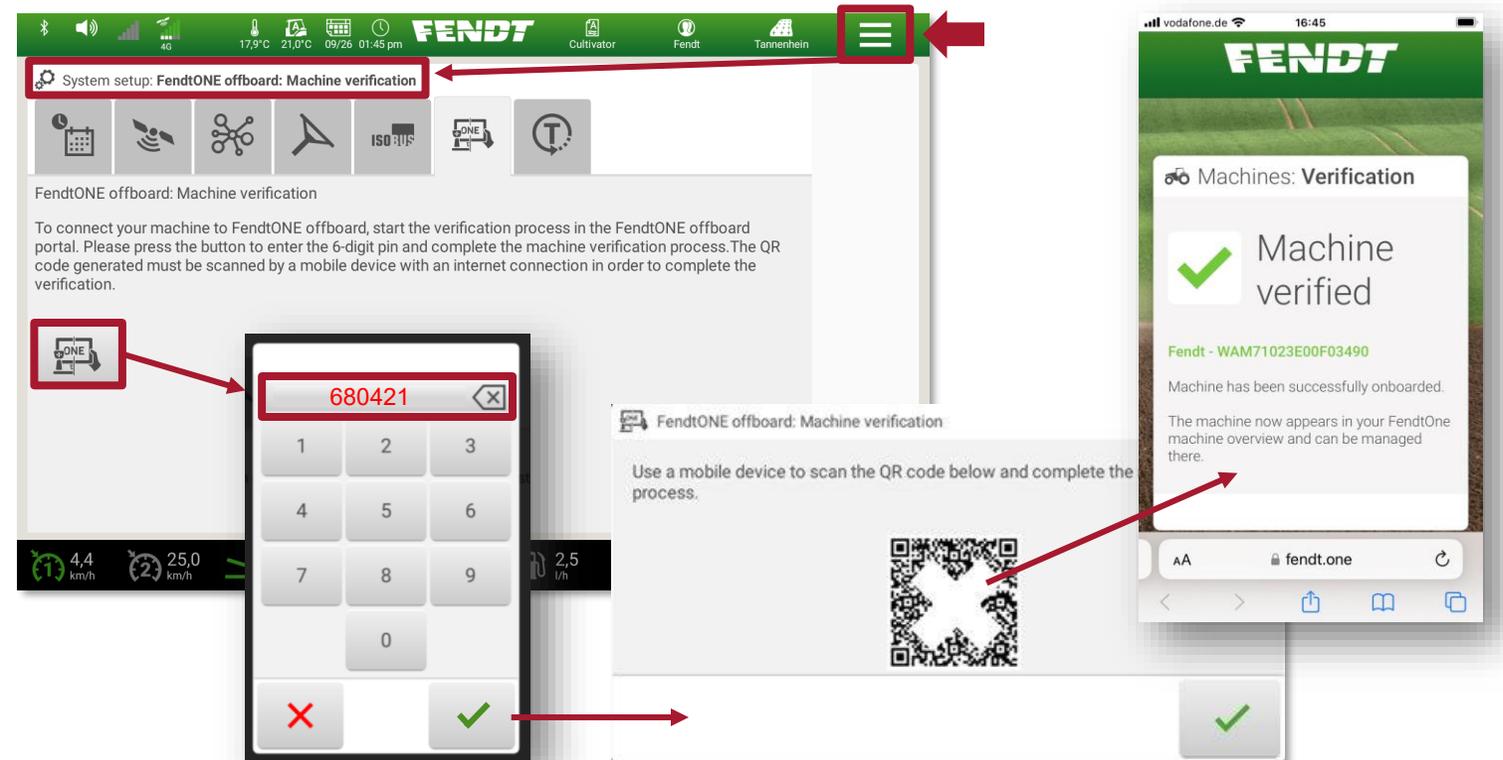
Step 3: Add machines
Verification via the Terminal

In FendtONE offboard
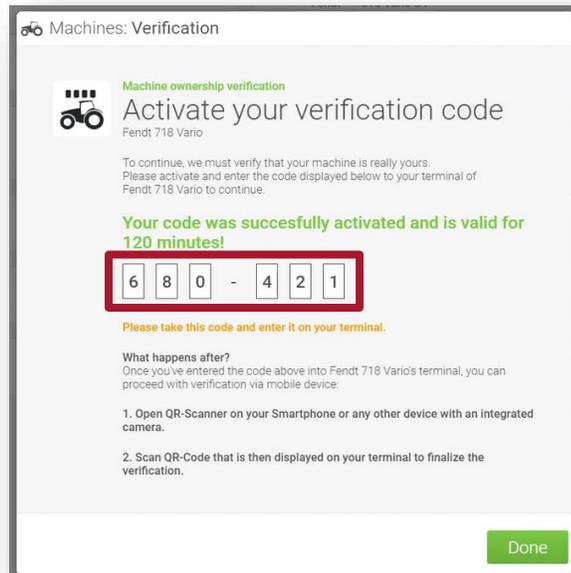
In FendtONE onboard = Tractor Terminal

If "Verification via the Terminal" is selected, follow these steps and complete the verification in the Terminal.

Step 4: Set up AGCO Connectivity Center
Create a connection

Wireless data exchange with machines and external farm management systems is set up in the AGCO Connectivity Center.

Check if all machines that are supposed to transfer data, or have done so previously, are listed. If not, add the machines in the **"Machines (1)"** tile as described in step 3.

If all machines are "Active" in the **"Fendt Task Doc" (2)** column, no further action is required. If machines are "Pending" in the "Fendt Task Doc" column, please select the **"Migrate button" (3)**.

The columns **"Software version" (4)** and **"Machine last seen" (5)** are filled with data as soon as the machines are started.

External farm management systems (Field data maps) can be connected via **"Connections" (6)**.

Under **"Transfers" (7)**, the transfer paths of orders, order reports and master data can be traced.

Step 4: Set up AGCO Connectivity Center
Status overview of machine connection to Task Doc and Fendt Connect

Under "Connectivity details", the connections of the machine to FMIS can be activated.

The newly added FMIS is automatically connected to all machines and exchanges data. If individual machines should not exchange data with the FMIS, the connection must be actively deactivated (OFF) under "Machines".

Step 4: Set up AGCO Connectivity Center
Set up of wireless data transfer between machines and external farm management information systems (FMIS)
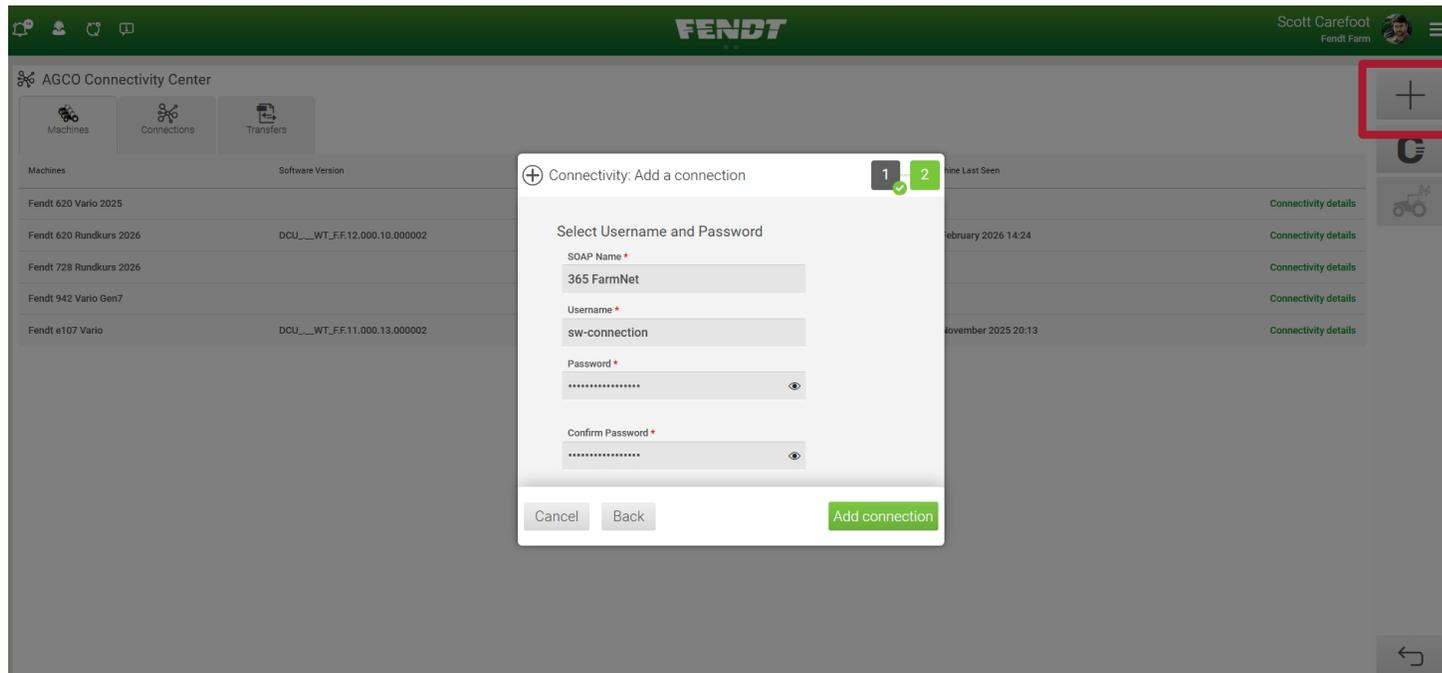
To complete the connection on both sides, a user name and password must be chosen, which must then be entered into your desired FMIS.

This is not your login details for your FMIS.

Step 4: Set up AGCO Connectivity Center
## Filter function for transmitted data

Depending on the fleet size, a large number of data transmissions take place over time between machines and the FMIS.
For this purpose, it is possible to accelerate the search for specific data records using various filter criteria.

Step 4: Set up AGCO Connectivity Center
Set up of wireless data transfer between machines and external farm management information systems (FMIS)

NEXT Farming

Trimble
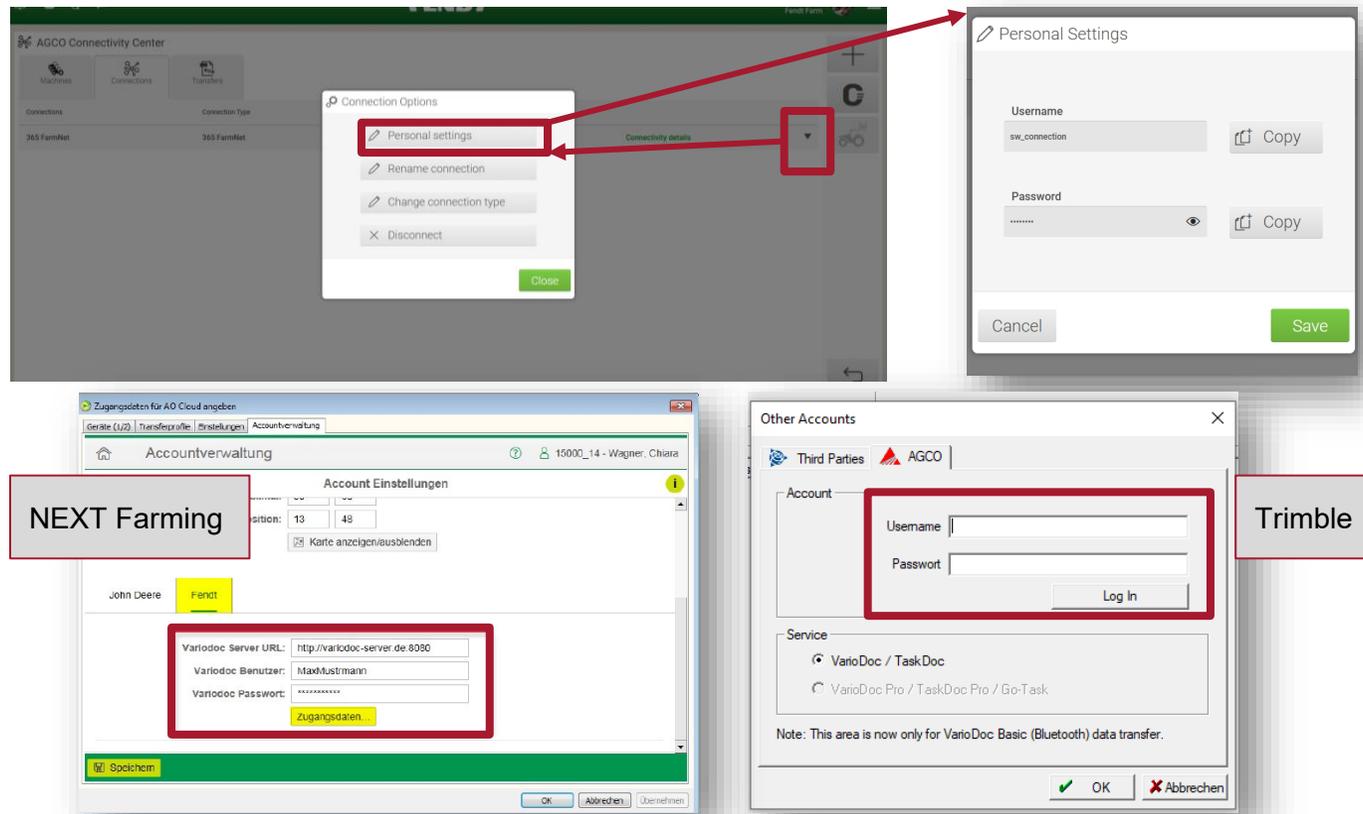
The new connection appears in the list with the corresponding connection status.

To transfer the connection status from "Pending" to "Active", the previously assigned user name and password must be entered into the FMIS system under "Task Doc", Task Doc Pro" or "Vario Doc".

The user name and password available for a specific FMIS can be viewed under the "Connection Options" and "User Settings" arrow.

Step 4: Set up AGCO Connectivity Center
Set up of wireless data transfer between machines and external farm management information systems (FMIS)
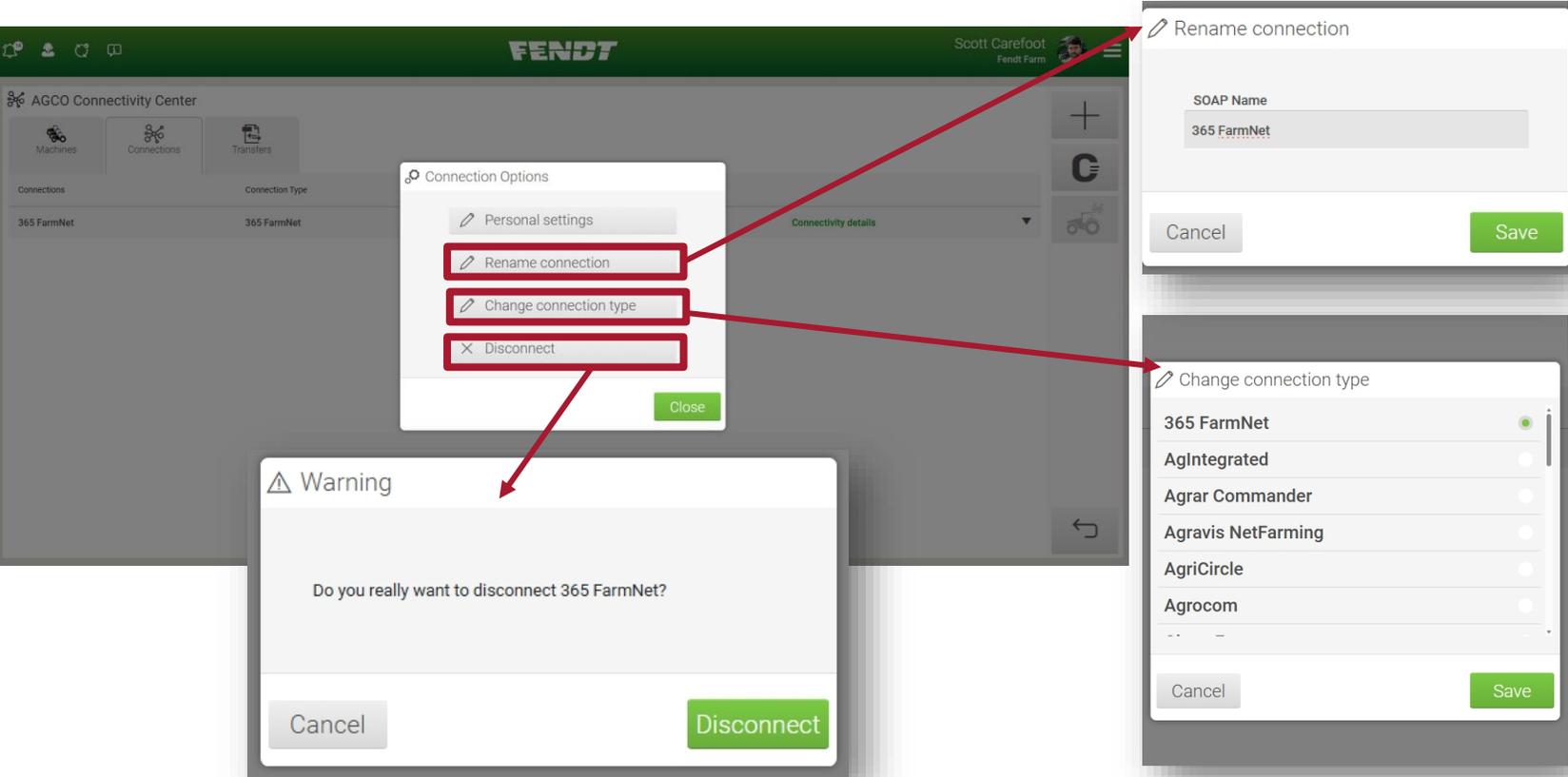
The "Connection Options" of a particular FMIS also includes the "Rename Connection", "Change Connection Type" and "Disconnect" functions.

Step 4: Set up AGCO Connectivity Center

If machines are not displayed in the AGCO Connectivity Center, open the chatbot and send the serial number of the affected machines together with a request to include them in the AGCO Connectivity Center.

Step 5: Save master data of the machines via USB stick and prepare wireless data exchange

FendtONE tractors
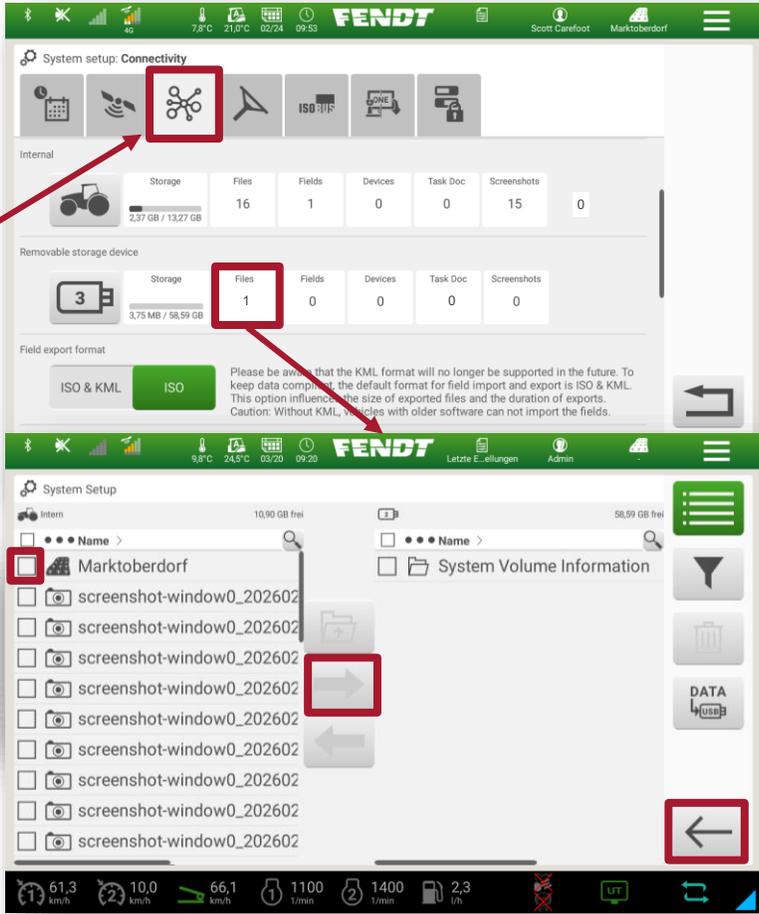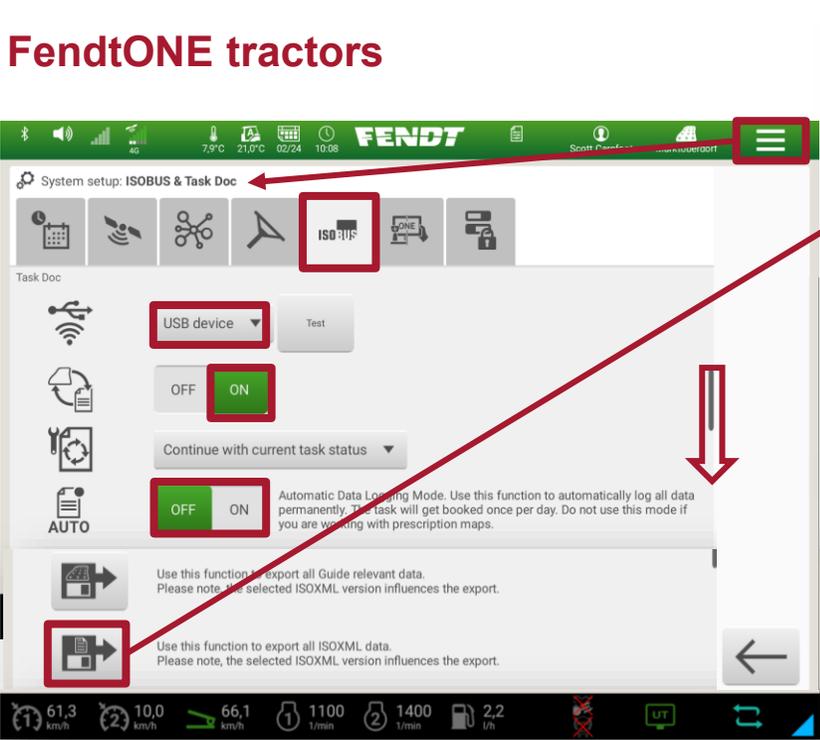
Uniform field data in the office and in the field are the prerequisite for precise guidance systems.
For this, you should first back up any existing master data on your tractors in ISOXML 4 format via USB stick.

You will prevent any errors that may occur during wireless data transmission and management of your field data.

Step 5: Save master data of the machines via USB stick and prepare wireless data exchange

Fendt tractors with old driver's workstation
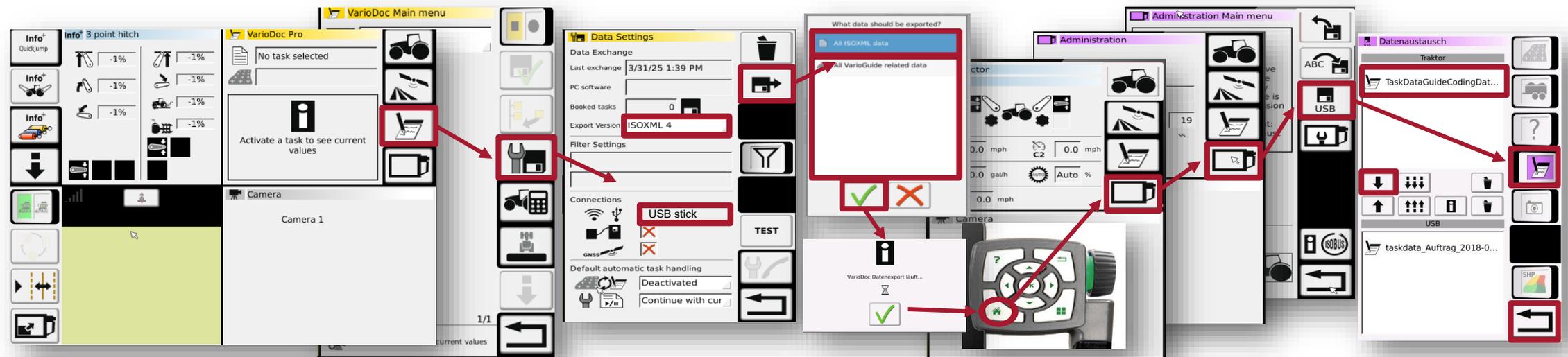
Uniform field data in the office and in the field are the prerequisite for precise guidance systems.
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FendtONE tractors
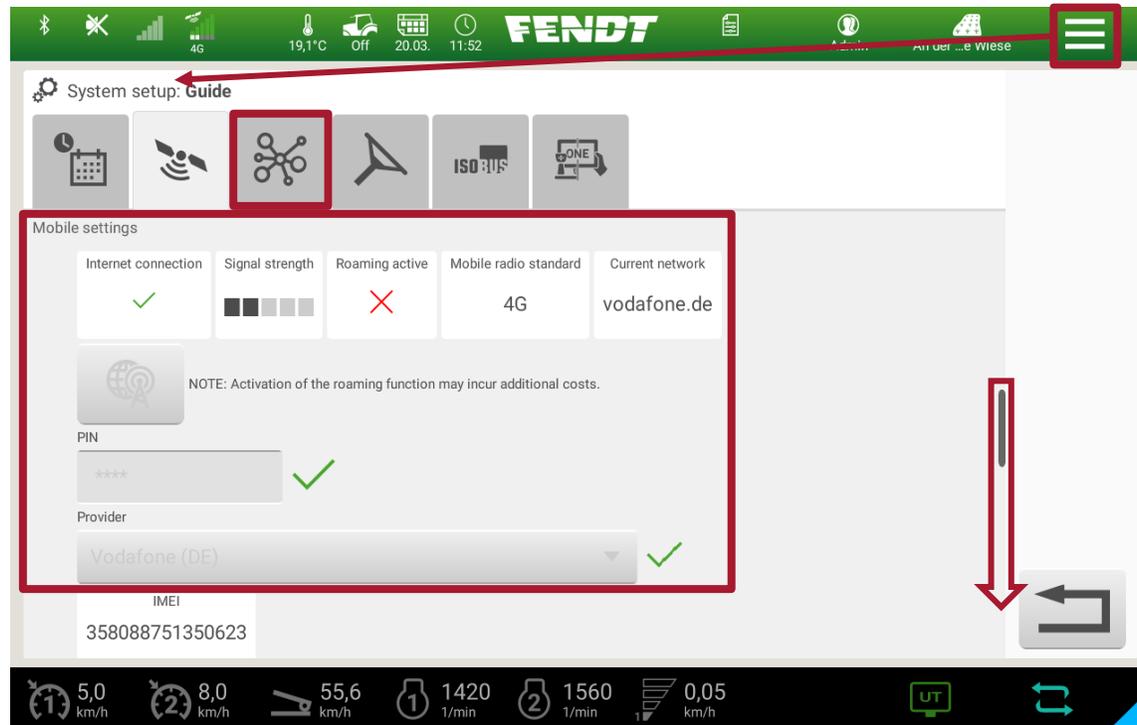
Setting up wireless data exchange.

To do this, it must be ensured that a SIM card is installed in the tractor (if you are using a mobile based signal correction for RTK, (Ntrip) this should be the case) and that the data exchange is set to "mobile".

Step 6: Import master data into FendtONE offboard
Case 1: Importing field data from Fendt tractors via master data export

FendtONE tractors

Check the settings of your tractors in the System Setup menu: ISOBUS & Task Doc.

It is recommended to transmit the data to FendtONE offboard via cellular in ISOXML 4 format.

The "Disk all ISOXML data" button triggers the wireless export.

In FendtONE offboard, the reception of the data is displayed.

Step 6: Sending machine master data wirelessly

Fendt tractors with old driver's workstation
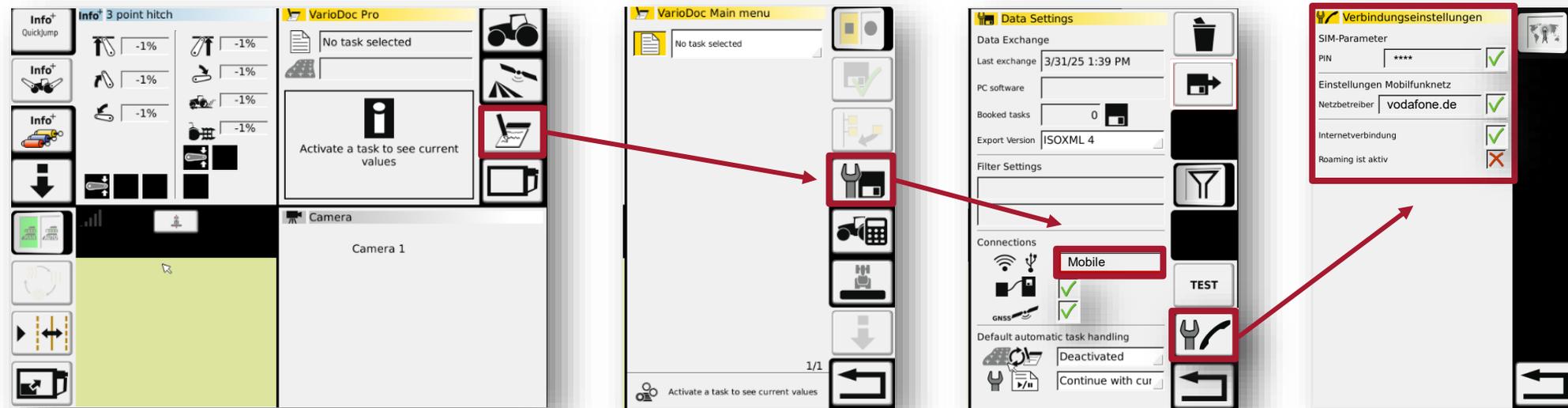
Setting up wireless data exchange.
To do this, it must be ensured that a SIM card is installed in the tractor (if you are using a mobile based signal correction for RTK, (Ntrip) this should be the case) and that the data exchange is set to "mobile".

Step 6: Import master data into FendtONE offboard
Master data source

Case 1: Import of field data from Fendt tractors via master data export or task reports:

If field data is already assigned to the Fendt tractor from the guidance system, this can be transferred wirelessly or via USB in FendtONE offboard via the master data export.
The field data used is also always imported with the task reports.
The export/import is done via ISOXML format.

Case 2: Import of field data from competitor's machines or external guidance systems:

If the field data is available on a competitor's machine or in an external guidance system, it must first be uploaded to the FendtONE offboard field data converter, converted to ISOXML format and then downloaded.
Only then can the import be done.

Case 3: Import of field data from the EU agricultural aid application:

If the field data is present from the EU agricultural aid application, this is exported and imported in shp format.
During the import process, the shp data can be adjusted, as the EU agricultural aid application portals use various coordinate systems and naming bases of the data.

Case 4: Import of field data from an FMIS:

If the field data is present from an FMIS, this is exported and exported in ISOXML format.

Case 5: Create field data via the drawing of field boundaries and obstacles:

If no field data is present so far, this can be drawn in FendtONE offboard under Fields.
Based on Google Maps, the outline of the field boundary can be drawn based on several points.
Points can be moved, deleted or added for correction and for more precision.
Obstacles such as lines, points, surfaces and markers can also be moved, deleted or added.

Decreasing suitability of field data for precise guidance systems

FENDT

Step 6: Import master data into FendtONE offboard
Case 1: Importing field data from Fendt tractors via master data export

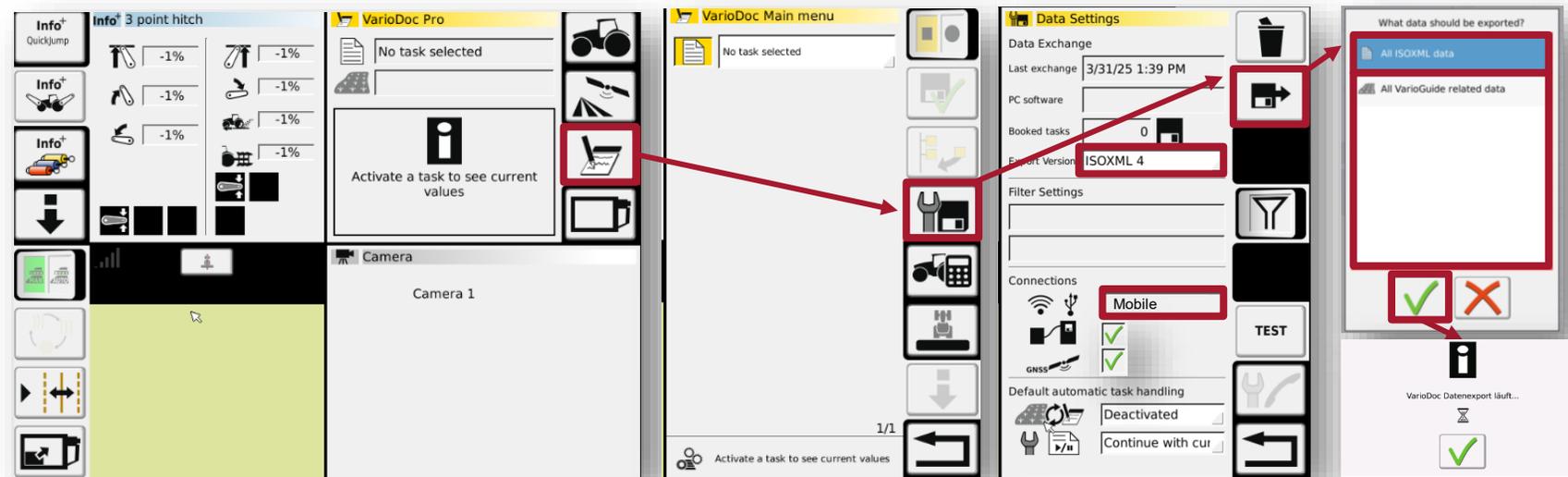**Fendt tractors with old driver's workstation**

Check the settings of your tractors. It is recommended to transmit the data to FendtONE offboard via cellular in ISOXML 4 format.
Select "All ISOXML data" for the export. In FendtONE offboard, the reception of the data is displayed.

Step 6: Import master data into FendtONE offboard
Wireless or manual data import

FendtONE offboard
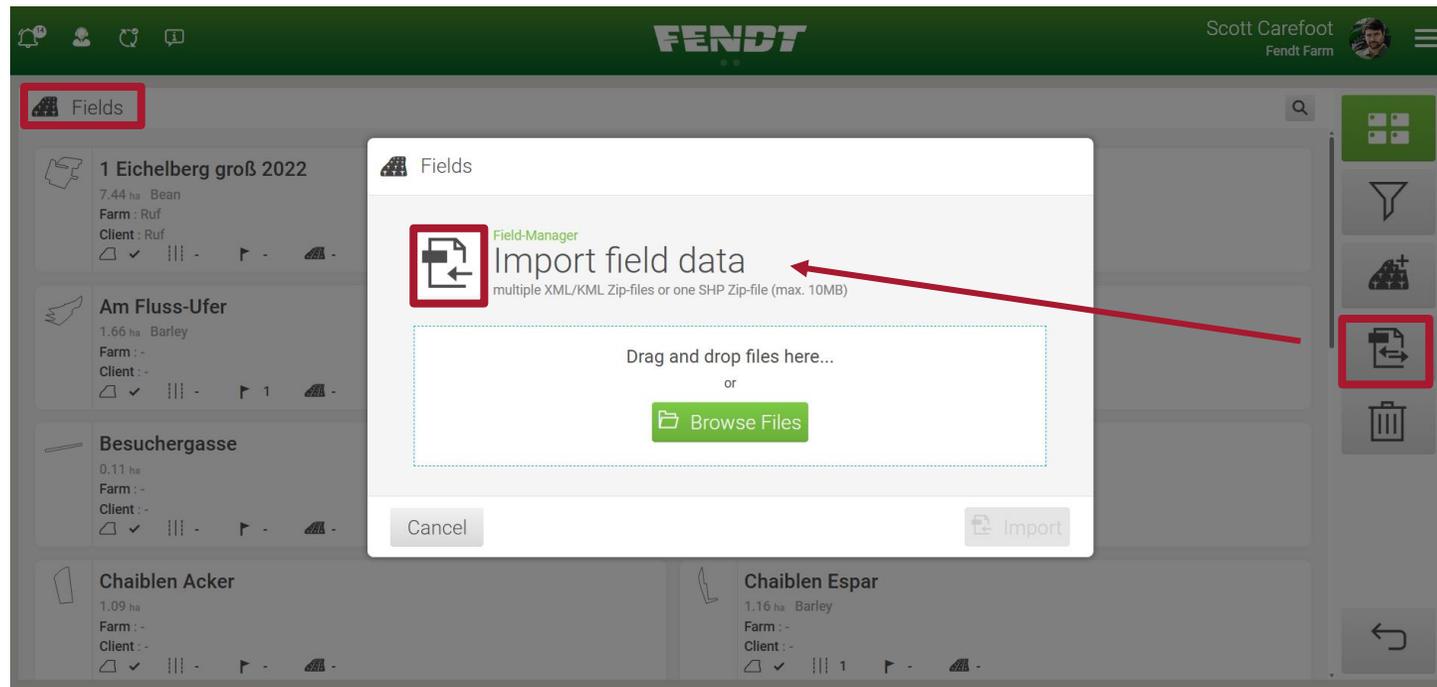
If the data import into FendtONE offboard is wireless ("Mobile" terminal setting), a notification appears in FendtONE offboard, which informs of the successful data import.
The import automatically distributes the data into the right tiles in FendtONE offboard.
If the data import into FendtONE offboard is done manually via USB stick, the data can be imported via the "Fields" tile.
Field data from cases 2, 3 & 4 can also be imported here.

Step 7: Keeping Master Data Uniform
Managing and cleaning master data

In order to keep field data uniform for the entire fleet and in the office, and to be able to adapt field data for specific activities or purposes, it must be easy to manage:

Conflict management:

When importing field data from different sources, conflicts may occur in the following cases:

- Field boundaries of a field are already existing or have been doubled.
- The field boundaries of two fields overlap up to more than 20%.
- New, optimised waylines and field boundaries were created on the tractor, used and imported with the task report

Adjust field boundaries and obstacles:

Occasionally, field data must be adjusted for the following reasons:

- Field areas are used for multiple crops and therefore need to be divided
- Stewardship margins are created and the field boundary must therefore be moved
- New obstacles have occurred in the field or have been removed
- Obstacles are added to mark the field entrance
- Field boundaries must be defined more precisely in order to be better suited for guidance purposes

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Step 7: Keeping Master Data Uniform
## Managing and cleaning master data - Conflict management

Conflict management
When importing field data, the conflict manager in FendtONE offboard shows field boundaries that double or overlap. It requests the desired field boundary to be selected and accept new waylines, thereby adding or rejecting the imported field record. It can be seen from which machine which data record was imported.

Step 7: Keeping Master Data Uniform
Managing and cleaning master data - Adjusting field boundaries and obstacles
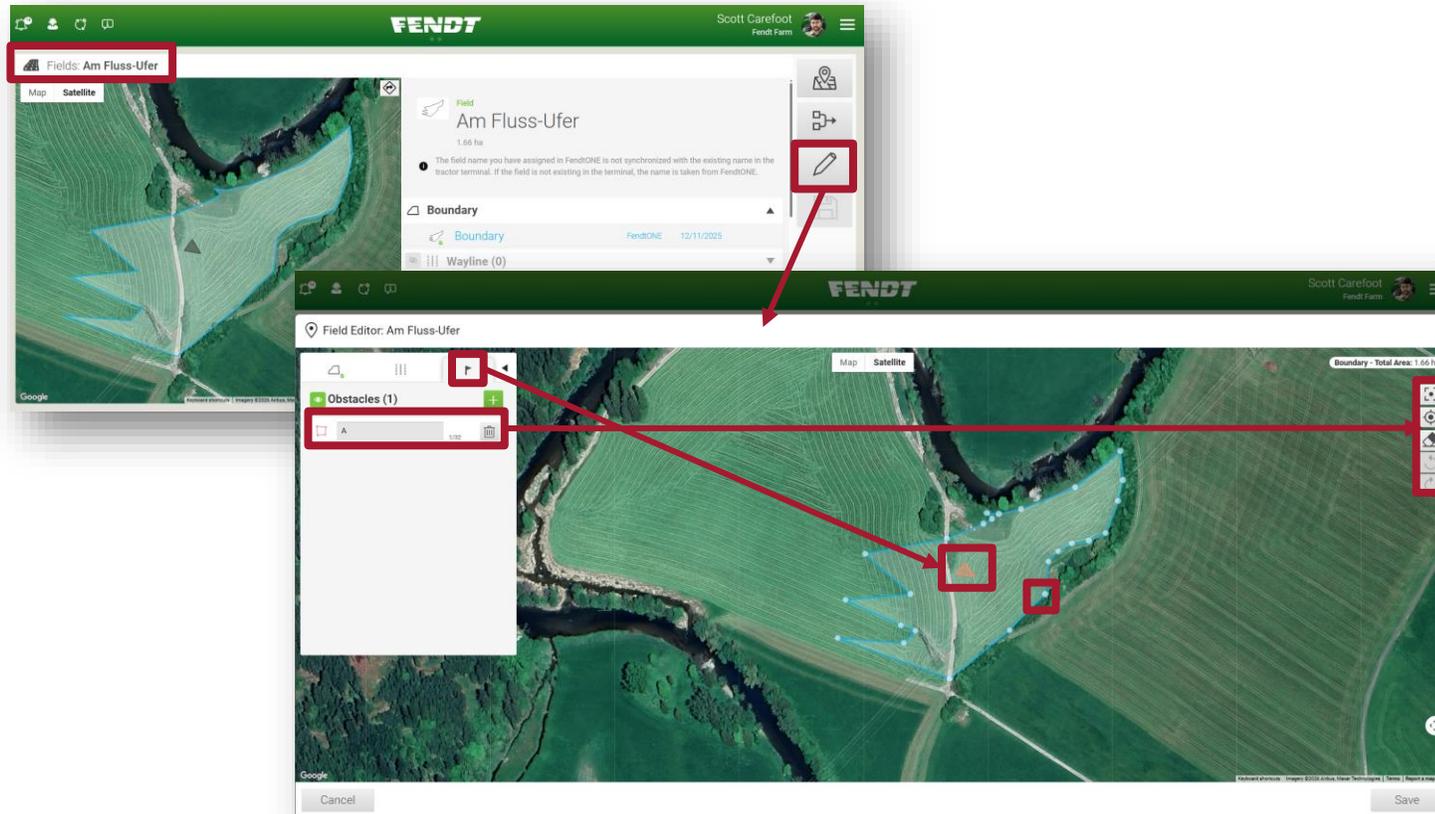

Adjusting field boundaries and obstacles
Based on Google Maps, the outline of the field boundary is displayed based on several points. Points can be moved, deleted or added for correction and for more precision. The size of the field is always recalculated and displayed. Obstacles such as lines, points, surfaces and markers can also be moved, deleted or added.

Step 7: Keeping Master Data Uniform
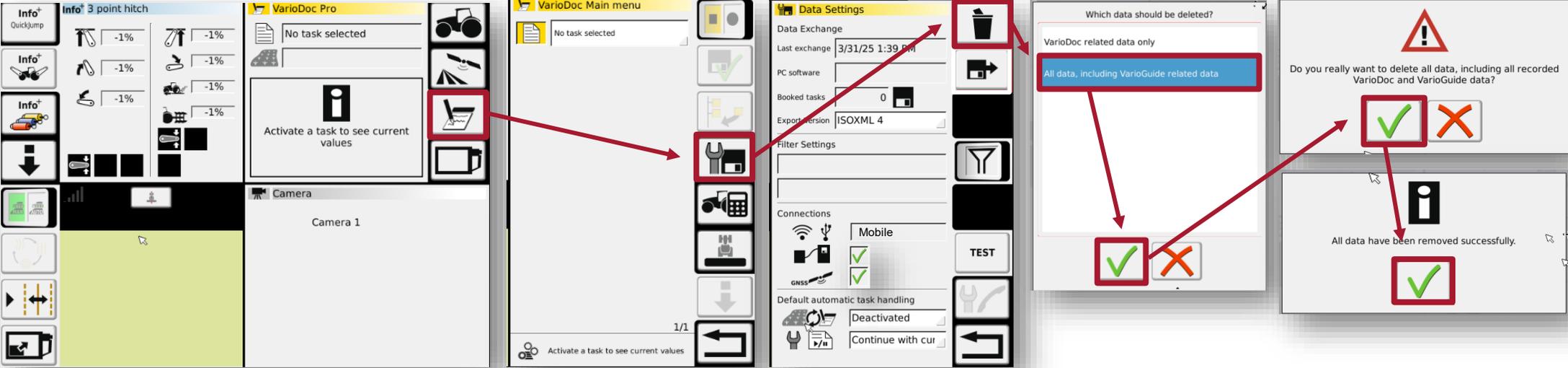## Uniform field data in the office and in the machines

FendtONE tractors: Delete master data
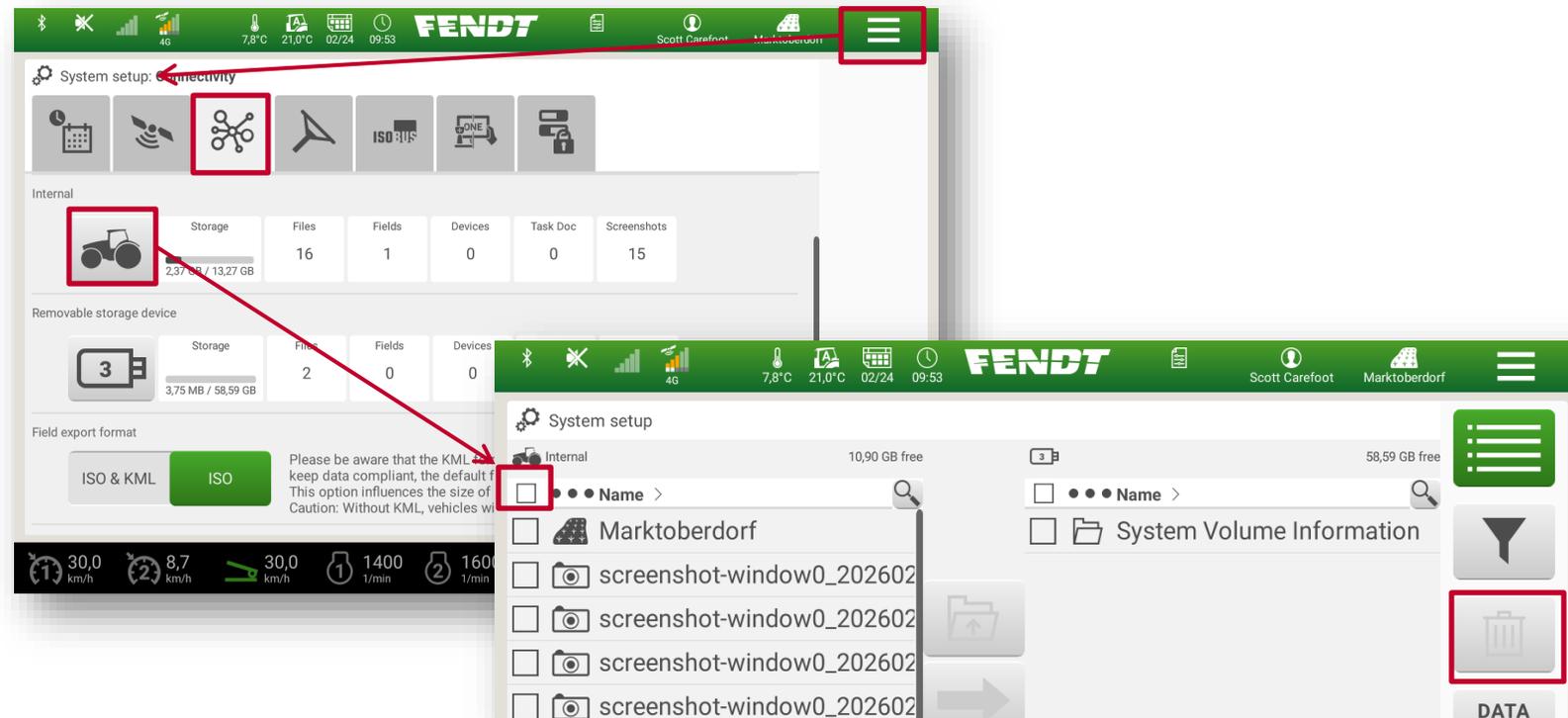
Once the master data has cleaned, this should be transferred to the tractors for a smooth data exchange. To do this, the existing master data on the tractors (which have already been saved in step 5) must first be deleted.

Step 7: Keeping Master Data Uniform
## Uniform field data in the office and in the machines

Once the master data has cleaned, this should be transferred to the tractors for a smooth data exchange. To do this, the existing master data on the tractors (which have already been saved in step 5) must first be deleted.

Step 7: Keeping Master Data Uniform
Uniform field data in the office and in the machines

FendtONE offboard
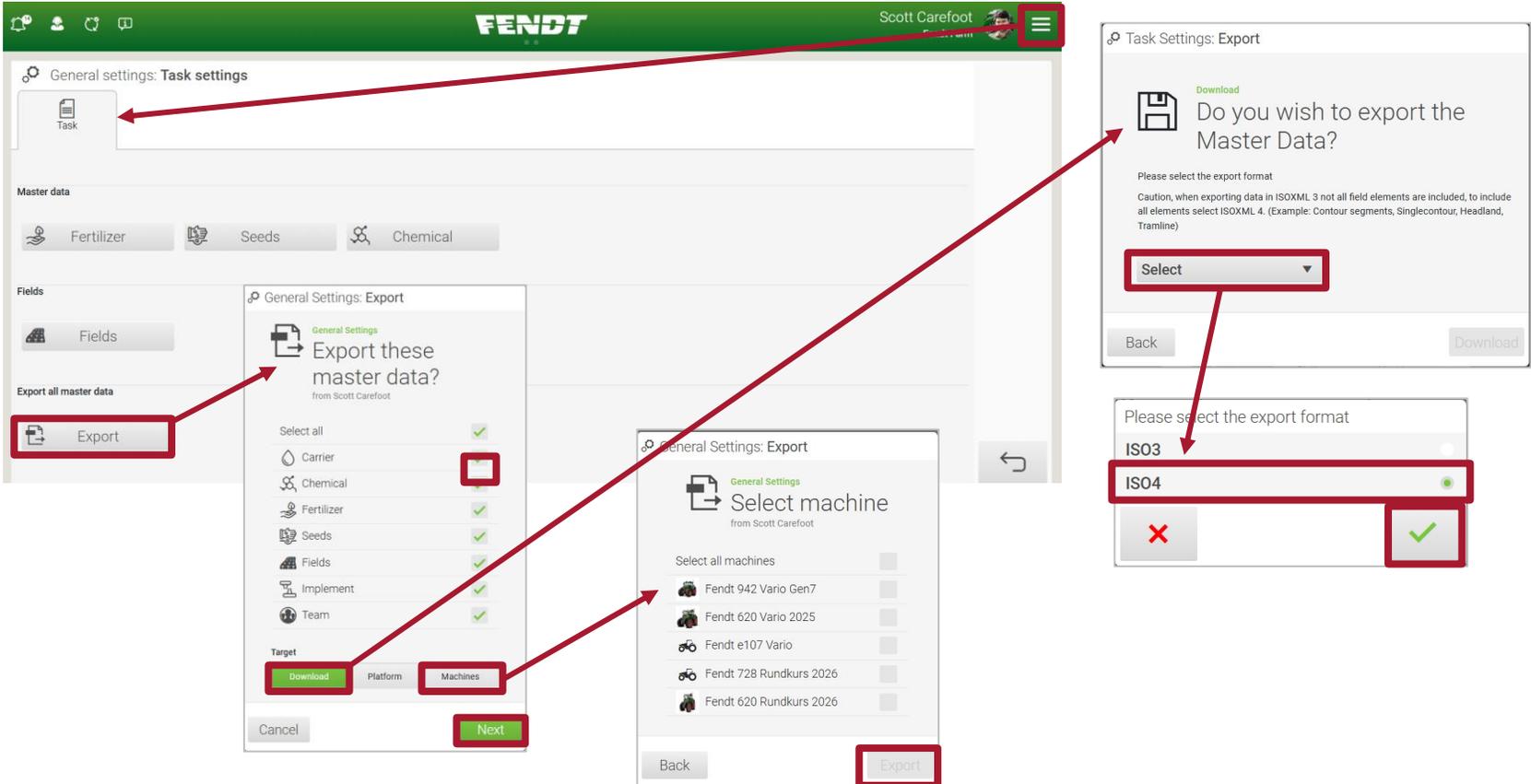
The cleaned master data record from FendtONE offboard can then be transferred wirelessly or via USB drive to the tractors.

If the master data on the tractors and in FendtONE offboard are identical, order management becomes child's play.