

Emlid Flow 360 USER DOCUMENTATION

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1 Introduction

Emlid Flow and Emlid Flow 360 allow working with survey projects in an easy and convenient way. Create and configure projects in the cloud-based web app Emlid Flow 360, and work with them later in the field—collect or stake out data using the mobile app Emlid Flow.

To sync data between your devices, create an Emlid account. Once you're logged in, every change in your projects will be immediately backed up to the cloud and available on every device you use.

2 Getting started

This guide describes how to start working with the Emlid Flow 360.

2.1 Accessing the app

Create an Emlid account to access Emlid Flow 360.

2.2 Creating Emlid account

Emlid account allows you to sync your projects between Emlid Flow and Emlid Flow 360 as well as between different devices, and instantly save the progress of your survey. You can have access to all your project data, custom coordinate systems, code libraries, and NTRIP profiles across your devices.

Tip: Using an Emlid account, you can access our Community forum and Emlid Caster.

To create an Emlid account, follow the steps below:

- 1. Go to flow360.emlid.com.
- 2. Click the Sign Up tab.

••• < >		
	emlid	
	Sign Up	
	is sign up with Apple	
	or	
	Jours@example.com	
	A your password	
	Receive emails about the latest news and updates Receive (update) Received (update) Received (update) transfored to Emild	
	SIGN UP >	

- 3. Type in your email and password in the corresponding fields.
- 4. Click the *SIGN UP* button.
- 5. Verify your email address by following the on-screen instructions.

After you create an Emlid account, log in to Emlid Flow or Emlid Flow 360 to enable data sync between all your devices.

3 Preparing projects

3.1 Create or import project

Tip: We recommend creating projects before the survey since some coordinate systems require additional downloads in Emlid Flow.

This guide describes how to create or import a project in Emlid Flow to survey.

3.1.1 Overview

Projects are a way to group and operate your survey data. Using projects, you can collect and stake out data in the preferred coordinate system. Projects can be linked with a code library to help you manage survey data later in the post-processing.

3.1.2 Workflow

Every survey starts with a project.

3.1.3 Creating project

To create a project in Emlid Flow 360, follow the steps below:

1. Go to flow360.emlid.com and sign up or sign in using your Emlid account.



Tip: To learn how to create an Emlid account, check the Getting started guide.

2. Click + *New project* in the top left corner.

••• < >		
Emlid Flow 360 + New project	Search	C D Profile
Demo project 625 points • 5 Dec • Emlid		
	() map	box © Mapbox © OpenStreetMaj

3. Fill in your project info.

🗾 Emlid Flow	360 All projects > New Project	6	Profi
	New project		
	Info		
	Name		
	Project	0/50	
	Only letters, numbers, spaces, dashes, and underscores.		
	Author		
	Author	0/50	
	Description		
	Project details		
		6	
	Settings		
	Code library		
	Points and lines 2 codes	Ø	
	Coordinate system		
	Coordinate system		

4. With the subscription plan, you can link a code library to your project to work with lines and codes.

Note: You can specify the linked code library only when creating a project.

5. To specify the coordinate system you want to work in, click the *Edit button* in the *Coordinate system* cell.

••• < >	1 10/005		
	Only letters, numbers, spaces, dashes, and underscores.		
	Author		
	Author	0/50	
	Description		
	Project details		
		<i>b</i>	
	Settings		
	Code library		
	Points and lines 2 codes	Ø	
	Coordinate system		
	Global coordinate system Ellipsoidal height	0	
	Units		

Tip:Check the Introduction to coordinate systems to learn more.

- 6. Choose the units of your project in the *Projects units* dropdown menu.
- 7. Click the *Create project* button. Emlid Flow 360 will open the project.

Emlid Flow 360	All projects > School forestry	ថ Import ៤ Export	🌜 🕒 Profile 🕥
Objects Q Search	+ 1000em North Atlantic Ocean Brazil	Greece Turkey A Morocco Tunisia Iraq Morocco Algeria Libya Egypt Suudi Al Mauritania Mali Niger Chad Sudan Ura W Dena Nigeria Chad Sudan Ura W Dena Cameroon Nigeria Cameroon Nigeria Cameroon Tarzania Angola Zambia	Code library Points and lines Coordinate system ETRS89 / UTM zone 34N Project info

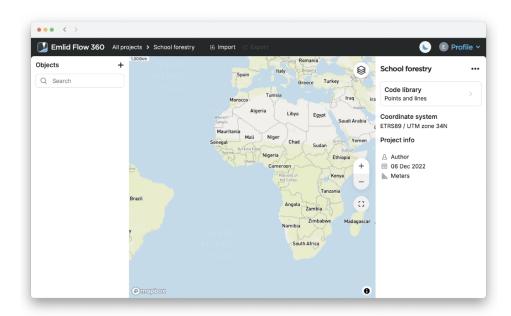
8. Open your project in Emlid Flow and ensure the coordinate system files are downloaded to your mobile device.

Once the project is created, you can start surveying with Emlid Flow.

3.1.4 Importing project data

To import the project, follow the steps below:

1. Click on the *Import* button on the top panel.



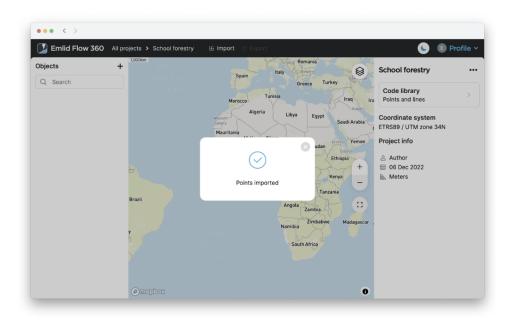
2. Choose the import format.

Ilibrary porting CSV file re in the same units as the project. nate system
units as the project. Inate system ha comma. Point i // UTM zone 34N ha comma. Point i // UTM zone 34N i // and "elevation" hor Dec 2022 Iss lers umms to "longitude", al height" instead. oints with codes

3. Choose the project file.

Note: *Emlid Flow 360 supports projects only with points and lines. Lines support is included only in the subscription plan.*

4. Wait until Emlid Flow 360 finishes importing the project. Once the project is imported, you will see the confirmation sign.



Now all the objects are imported to your project.

4 Work with coordinate systems

4.1 Intoduction to coordinate systems

Note: You can specify the coordinate system only when creating a project.

When creating a project, you need to set up the coordinate system (CS). When it comes to choosing a required coordinate system for your project, you should make the decision based on the area you want to work in: for each region, there is a local coordinate system optimized for this specific area.

You can set up the CS for your project as follows:

- **Choose from the library.** Emlid Flow and contains the verified registry of local CS for specific countries. All you need is to find your country from the registry and apply it to your project.
- **Apply global CS.** This option is used to get started with the Emlid Flow app and quick tests in the field. This CS allows working with geographic coordinates—latitude, longitude, and ellipsoidal height.
- **Use custom CS.** If you know the projection parameters and the required system is not supported in Emlid Flow and Emlid Flow 360, you can add your own CS.

4.2 Set up coordinate system from library

Tip: We recommend setting up the projects indoors before the survey as some coordinate systems require additional downloads in Emlid Flow.

This guide shows how to set up a coordinate system for your project in Emlid Flow.

4.2.1 Overview

Caution: You can only configure the coordinate system while creating a new project.

Emlid Flow contains a library of ready-to-use local coordinate systems and vertical datums for specific countries. If you need additional information on the coordinate system in your country.

To show you all the steps, we will walk you through the example of configuring a coordinate system for Switzerland.

4.2.2 Workflow

While creating a project, follow the steps below:

- 1. On the New project screen, click the Coordinate system cell.
- 2. Click *Choose from the library*.

 ← New project Edit project coordinate system 	
E Choose from the library Coordinate systems with a ready set of parameters referenced to particular countries	
Apply global No reference to a particular country. Suitable for preparations before starting a project or for projects where accuracy is not the goal	
Use custom Define the parameters manually or select an existing custom coordinate system from the list	

3. Search the required coordinate system by its name, country, or code. We enter Switzerland and pick CH1903 / LV03.

Emlid Flow 360	All projects > New Project	
	Edit project coordinate system Choose from the library	Ľ
	CH1903 / LVO3 ~ ()	
	Vertical datum Ellipsoidal Height V	
	Apply Cancel	

Tip: To learn more about the suggested coordinate system, tap the info icon next to the system. Depending on the chosen coordinate system, the screen can contain the following information:

- Datum and its reference ellipsoid with parameters
- Global datum and its reference ellipsoid with parameters
- Projection type and its parameters
- Transformation type and its parameters
- 4. Click the *Vertical datum* cell. The app will show you available vertical datums. Choose the one you need and click *Apply*.

We select LHN95 height.

 All projects > New Project		6
← Edit project coordinate system		
Choose from the library		
CH1903 / LV03	~ ()	
Vertical datum		
Ellipsoidal Height		
Ellipsoidal Height		
LHN95 height Switzerland + chgeo04_etrf.tif		
LN02 height Switzerland - chgeo04_HT_etrf.tif		
EGM2008 height Switzerland + us_nga_egm08_25.tif		
EGM96 height Switzerland + us_nga_egm96_15.tif		

Tip: Make sure that the coordinate system of your project and the base or NTRIP you use are in the required datum. You can find the required datum for your country in the countries list. You can also find this information in your project in Emlid Flow.

You can continue creating the project for survey.

4.3 Set up custom coordinate system

Tip: We recommend setting up the projects indoors before the survey as some coordinate systems require additional downloads in Emlid Flow.

This guide describes how to set up a custom coordinate system in Emlid Flow if you cannot find the required one and know its parameters.

4.3.1 Overview

Note: You can only configure the coordinate system while creating a new project.

To configure the custom coordinate system, you can use 4 different properties:

- Ellipsoid your datum is based on
- Projection type and its parameters
- Transformation type and its parameters
- Geoid model

Note: Since not every group of parameters is required for a coordinate system configuration, you may omit some of them and only use the parameters that you have for your projection.

- *If the projection is based on the same datum as the base, skip the transformation step.*
- If you decide to work with ellipsoidal height, don't select the geoid model.

Tip: On some Android devices, default keyboards do not provide a minus sign. To get access to it, we recommend downloading Gboard, a virtual keyboard app, from the Google Play Store.

To show you all the steps, we will walk you through the example of transformation from the GDA2020 datum to GDA94, performing MGA zone 51 projection, and applying the AUSgeoid2020 geoid model to the GDA2020 datum.

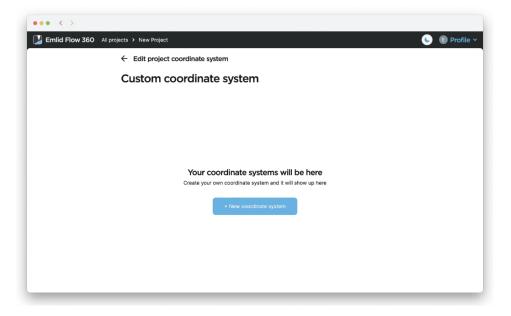
4.3.2 Creating Custom CS

When picking a coordinate system for your project, follow the steps below:

1. On the *Edit project coordinate system* screen, click *Use custom*.

Compared and the second s	New Project	🌜 🖲 Profile ~
	ew project t project coordinate system	
	Choose from the library Coordinate systems with a ready set of parameters referenced to particular countries	>
•	Apply global No reference to a particular country. Suitable for preparations before starting a project or for projects where accuracy is not the goal	
5	Use custom Define the parameters manually or select an existing custom coordinate system from the list	>

2. To create a custom coordinate system, click the + *New coordinate system* button.



3. Enter the name of your custom coordinate system. Using this name, you will be able to find it in the list of coordinate systems later on.

60	All projects > New Project		
	New coordinate system		
	Name		
	GDA94 / MGA zone 51 [GDA2020 base]		
	Parameters		
	Parameters		
	Ellipsoid		
	GRS 1980	\sim	()
	① The prime meridian is Greenwich		
	Projection		
	Transverse Mercator		0
	Transformation		
	Without transformation		0

We name the coordinate system GDA94 / MGA zone 51 [GDA2020 base].

4.3.3 Specifying ellipsoid for datum

Note: *This step is mandatory.*

In this section, we set up the ellipsoid the datum based on. By default, the GRS 1980 ellipsoid is selected. To change it, perform the following steps:

Note: It updates the Semi-major axis and 1/f parameters accordingly. You can access these parameters by clicking the information icon on the right side of the Ellipsoid cell.

Parameters	
Datum	
Ellipsoid	
GRS 1980	^ ()
GRS 1980	
GRS 1980 Authalic Sphere	
GRS_1980_Adj_WI_CP	
GSK-2011	
Helmert 1906	
Hough 1960	
Hughes 1980	
IAG 1975	
Without geoid	~
Optional	

The GDA94 datum uses the GRS 1980 ellipsoid, so we leave it as is.

Note: If the required datum is missing, contact us at support@emlid.com.

4.3.4 Applying projection

1. To configure projection, click the *Projection* cell.

- 2. Choose the required projection type:
 - Transverse Mercator
 - Lambert Conic Conformal (1SP)
 - Lambert Conic Conformal (2SP)
 - Oblique Mercator (Variant A)
 - Oblique Mercator (Variant B)

•• < >	SO All projects > New Project		🕓 🖲 Profil
	Projection		
	Transverse Mercator	^	
	Transverse Mercator		
	Lambert Conic Conformal (1SP) Lambert Conic Conformal (2SP)		
	Oblique Mercator (Variant A) Oblique Mercator (Variant B)		
	Scale factor		
	1.0		
	False easting, m 0.0		
	False northing, m		
	0.0		

We perform the Transverse Mercator projection.

3. Enter the projection parameters.

Projection		
Transverse Mercator	~	
Parameters		
Latitude of origin, deg		
0.0		
Central meridian, deg		
123.0		
Scale factor		
0.9996		
False easting, m		
50000.0		
Faise northing, m		
1000000.0		
Save Cancel	Reset to default	

4. Save changes.

4.3.5 Specifying transformation parameters

Note: You need to configure this option only if your coordinate system uses a datum that differs from the base's one.

- 1. Click the *Transformation* cell.
- 2. Choose the required transformation type: Helmert or Molodensky-Badekas.
- 3. We need the Helmert transformation to go from GDA2020 to GDA94 datum.
- 4. Fill in the transformation parameters: there are 7 of them for the Helmert transformation and 10 for Molodensky-Badekas.

Tip: *The app can also perform transformations with only 3, 4, and 6 parameters. You can type in the parameters you have and leave the others empty.*

Transformation		
Helmert (7 parameters)	~	
Parameters		
SHIFT ROTATION	SCALE DIFFERENCE	
۵X, m		
-0.06155		
ΔΥ, m 0.01087		
ΔΖ, m		
0.04019		

5. Save changes.

4.3.6 Choosing geoid model

Note: Apply the geoid model to your custom coordinate system only if you require orthometric height for your project. Emlid Flow applies geoid correction to the datum the base works with, so make sure to choose the appropriate one.

Click the *Geoid model* cell and select the appropriate geoid file from the list.

We select the AUSgeoid2020 that is meant to be used for coordinates in GDA2020.

Parameters	
Datum	
Ellipsoid	
GRS 1980 \checkmark ()	
Without geoid	
at_bev_GEOID_BESSEL_Oesterreich.tif	
at_bev_GEOID_GRS80_Oesterreich.tif	
at_bev_GV_Hoehengrid_plus_Geoid_V2.tlf	
au_ga_AUSGeoid09_V1.01.tif	
au_ga_AUSGeoid2020_20180201.tif	
au_ga_AUSGeoid98.tif	
0000010-00-44	
Without geold	
Optional	

4.3.7 Saving custom CS

Once everything is configured, click *Create coordinate system* on the *New coordinate system* screen to save the coordinate system. From now on, your custom coordinate system is saved to your Emlid account and synced among all your devices.

Parameters		
Datum		
Ellipsoid		
GRS 1980	~ ()	
 The prime meridian is Greenwich 		
Projection		
Transverse Mercator	0	
Transformation		
Helmert (7 parameters)	0	
Optional		
Geoid model		
au_ga_AUSGeoid2020_20180201.tif	\sim	
Optional		
Create coordinate system Cancel		

You can find your custom coordinate systems on the *Custom coordinate system* screen.

Emlid Flow 360) All projects > New Project	•	E Profile
í l	← Edit project coordinate system		
	Custom coordinate system	+ New coordinate system	
	GDA94 / MGA zone 51 [GDA2020 base]		
	Ellipsoid: GRS 1980 Projection: Transverse Mercator Transformation: Helmert (7 parameters) Geoid: au_ga_AUSGeoid2020_20180201.tif		

You can continue creating the project for survey.

5 Manage code libraries

Note: You can manage your code libraries only in Emlid Flow 360.

This guide explains how to add new code libraries or update existing ones using Emlid Flow 360.

5.1 Overview

5.1.1 What is survey code?

A survey code is a set of letters and numbers used to define collected data on a map, for example, a tree or a fence. Codes can include additional information about the collected object—such as geometry type and a brief description.

5.1.2 What is code library?

A code library is a list of survey codes that can be linked to a project. Code libraries are a way to have all frequently used codes in one place to have consistency throughout all your projects. Using Emlid Flow 360, you can add your own code libraries and update them with new codes later. New codes will be automatically added to a particular code library on every device you use.

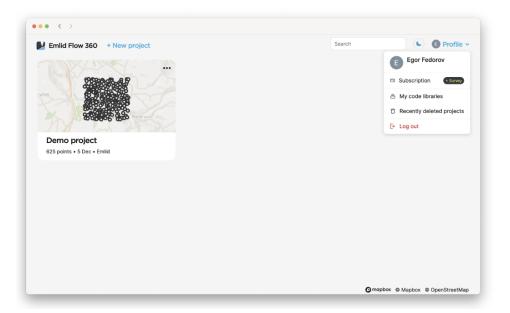
Tip: *If you forgot to add some codes that you need in the field, you can easily create codes on the go in Emlid Flow.*

5.2 Adding code library

Your Emlid account has 2 default libraries: 'Points and lines' containing 2 simplest codes, and 'Emlid library' containing the most commonly used survey codes. Using Emlid Flow 360, you can add your own code libraries.

To add a code library, follow the steps below:

1. In the *Profile* menu, click *My* code libraries.



2. Click + *New code* library.

•			
Emlid Flow 360	All projects > Code library		🌜 🗉 Pro
	← All projects		
	Code libraries	+ New code library	
	Points and lines 2 codes	\odot	
	Emlid library 100 codes	\odot	

- 3. Name your library and click *Create*.
- 4. To add survey codes to your library, click the *Import* button.

Code library > School forestry	🕓 📵 Profile ~
Code library	
School forestry	🕒 Import
Q Code or description	
No code found Check if the code or description is correct	

5. Import the file with survey codes by clicking *Choose file*. When the library is imported, you will see the confirmation sign.

Code library > School forestry	🕓 🔋 Profile 🗸
← Code library School forestry	(6 Import
CSV	Account of the first line is required. Account of the required of the norder. Account of the norder of the norder. Account of the norder o

Once you added a new code library, it will be synced across all your devices. You can link this library to any of your projects.

5.3 Adding codes to existing code libraries

Note: You can add new codes only to the libraries created by you.

To add new codes to your existing code libraries, do the following:

1. Navigate to the *My code libraries* screen.

эгу		🕓 🗈 Profile
ts		
oraries	+ New code library	
ies	Ū	
	0	
ry	3	
	raries es	ts raries • New code library es ① ①

- 2. Select the library where you want to add new codes.
- 3. To add new codes, click *Import*.

••• < >	All projects > Code library > School forestry	💊 📵 Profile 🗸
	Code library	
	School forestry	년 Import
	Q Code or description	
	FORLN Forestry line BIRTR Birch tree	
	MAPTR Maple tree	
	OAKTR Oak tree	
	• PNTR Pine tree	
	SPRTR Spruce tree LINDTR Linden tree	
	PVMNT Pavement	

4. Import the file with new survey codes by clicking *Choose file*. When the codes are imported, you will see the confirmation sign.

Tip: A single code library can't contain two survey codes with the same code name. Before adding new codes to your library, make sure the file you're uploading doesn't duplicate the already existing codes.

Code library : Emilid Flow 360 All projects > Code library :	> School forestry	🕓 🌘 Profile v
← Code library School for		ić Import
import cod		Acquirements for CSU Acquirements for CSU Acquirements for a line: Use only a columns in a line: action way 30 characteris: listers, numbers, acsa, and hyphen: acquirements acquirements
	Spruce tree	
	Pavement	

Once you added new codes to your code library, the code library will be updated with new codes among all your devices.

6 Manage map layers

6.1 Create WMS layers library

This guide explains how to create a WMS layers library in Emlid Flow 360 to add layers to your projects.

6.1.1 Overview

In Emlid Flow 360, you can load WMS layers from web map services, create your own WMS layers library linked to your Emlid Account, and add WMS layers from it to the projects. The use of WMS layers in projects allows you to get visual control and context of your survey area.

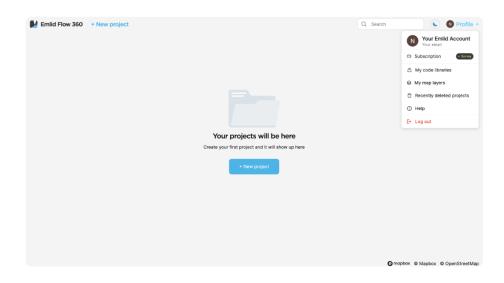
To add a WMS layer to the library, you need only a URL from the web map service—type or paste a link, and Emlid Flow 360 will load the list of available layers. After that, you can add the loaded layers to any of your projects in Emlid Flow 360.

Note: You can add layers to your library and projects only in Emlid Flow 360.

6.1.2 Adding WMS layers to library

To add WMS layers from web map services and create your own library, follow the steps below:

- 1. Go to flow360.emlid.com and sign up or sign in using your Emlid account.
- 2. Go to the *Profile* menu and click *My map layers*.



3. Click + *New map layer* to add a new layer.

Emild Flow 360 All projects > My map layers			🌜 📵 Profile 🗸
← All projects			,
My map laye	rs	+ New map layer	
	Your map layers will be here Add new WMS layer to use it in any project		

4. Type in or paste the address of the WMS service you use. Emlid Flow 360 will load the list of available layers.

Emlid Flow 360 All projects > My map layer	3	🌜 📧 Profile 🗸
<i>← A</i>	Il projects	
M···		
	New layers from WMS	
	Service URL	
	https://service-url	
	Layers	
	Paste the link to the service to see the available layers	
	Add layers Cancel	

5. Select the layers you want to add and click *Add layers*.

Emlid Flow 360 All projects > My map layers		🕓 📵 Profile 🗸
← All	projects	
M		
	New layers from WMS	
	Service URL	
	https://ows.terrestris.de/osm/service	
	Layers	
	OpenStreetMap WMS - by terrestris	
	OSM WMS w/o labels - by terrestris	
	OSM Overlay WMS - by terrestris	
	Topographic WMS - by terrestris	
	Topographic OSM WMS - by terrestris	
	Add layers Cancel	

Wait until the layers are loaded.

Emlid Flow 360 All projects > M	y map layers		🌜 📧 Pr
	← All projects		
	My map layers	+ New map layer	
	Q Layer name		
	OpenStreetMap WMS - by terrestris Source: https://ows.terrestris.de/osm/service		
	OSM WMS w/o labels - by terrestris Source: https://ows.terrestris.de/osm/service		

Once WMS layers are loaded to the library, you will be able to add them to any project in Emlid Flow 360.

Tip: Learn more about adding WMS layers to your project from WMS layers library in Emlid Flow 360 in the Add WMS layers to project guide.

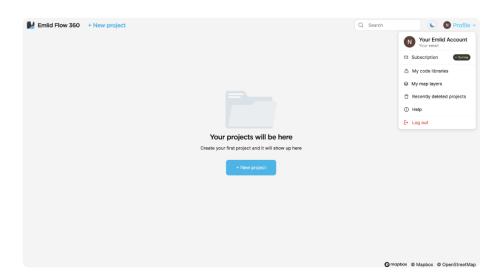
6.1.3 Deleting WMS layers from library

Caution: This action permanently removes layers from your WMS layers library and cannot be undone.

To delete a WMS layer from your WMS layers library, follow the steps below:

1. Go to flow360.emlid.com and sign up or sign in using your Emlid account.

2. Go to the *Profile* menu and click *My map layers*.



3. Click the *My map layers* button, choose the layer you want to delete and click the menu button near it.

Emild Flow 360 All projects > My map layers		🌜 📵 Profile 🗸
← All projects		
My map layers	+ New map layer	
Q Layer name		
OpenStreetMap WMS - by terrestris Source: https://wws.terrestris.de/osen/service		
OSM WMS w/o labels - by terrestris Source: https://ows.terrestris.de/osm/service	 Rename Delete 	

4. Click *Delete* and confirm the deletion.

Emlid Flow 360 All projects > My	map layers	🌜 📵 Profile 🗸
	← All projects	
	My map layers • New map layer	
	Q Layer name	
	OpenStreetMap WMS - by Iterestris Source: https://ows.terrestris.de/osm/service	
	OSM WMS w/o labels Source: https://owster Leyer 'OpenStreetMap WMS - by terrestrig' will be detected from the library and all linked projects.	

6.2 Add WMS layers to project

This guide explains how to add WMS layers from the WMS layers library to your project in Emlid Flow 360.

6.2.1 Overview

With the WMS layers library in Emlid Flow 360, you can select and add layers to your projects in Emlid Flow 360. After that, you can get access to these projects in Emlid Flow.

The use of WMS layers in projects allows you to get visual control and context of your survey area.

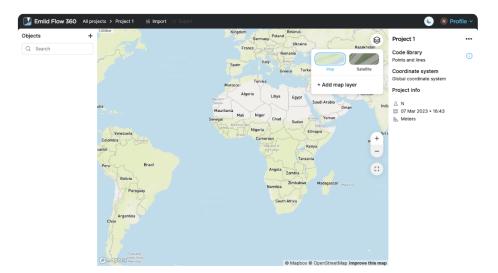
Tip: Learn more about creating a WMS layers library in Emlid Flow 360 in the Create WMS layers library guide.

Note: To get access to projects with added layers from the WMS layers library in Emlid Flow, you should log into the same Emlid account you use in Emlid Flow 360. Learn more in Working with map layers.

6.2.2 Add layers from library to project

To add layers to your project from the WMS layers library in Emlid Flow 360, follow the steps below:

- 1. Go to flow360.emlid.com and sign up or sign in using your Emlid account.
- 2. Open your project and click the *Map layers* button.



3. Click *Add map layer* and select required layers.

Note: You can also add new layers right in the project. Tap New map layer.

Emild Flow 360 All projects > My map layers	🕒 🔞 Profile 🗸
← All projects	
M	
New layers from WMS	
Service URL	
https://ows.terrestris.de/osm/service	
Layers	
OpenStreetMap WMS - by terrestris	
OSM WMS w/o labels - by terrestris	
OSM Overlay WMS - by terrestris	
Topographic WMS - by terrestris	
Topographic OSM WMS - by terrestris	
Add 2 layers Cancel	

4. Click *Add to project*.



Once the layers are added to your project, you can start working with them both in Emlid Flow 360 and Emlid Flow.

Tip: Click the Map layers button to switch between vector and satellite map types, reoder layers using the drag-and-drop feature, and change their visibility and opacity on the map by clicking the eye icon near the layer and name of the layer correspondingly.

Tip: *Learn more about accessing projects with added layers in Emlid Flow in Working with map layers.*

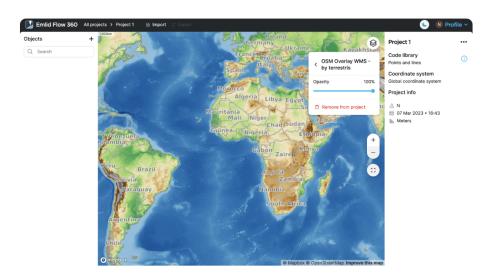
6.2.3 Delete layers from project

Note: The layer will be removed only from the project. You can add it again by clicking the Map layers button and Add map layer.

You can delete WMS layers from your project as follows:

- 1. Go to flow360.emlid.com and sign up or sign in using your Emlid account.
- 2. In Emlid Flow 360, open your project and click the *Map layers* button.

3. Click on the layer you want to delete.



4. Click *Remove from project* and then click *Delete*.

7 Export projects

This guide shows how to export project data from Emlid Flow or Emlid Flow 360 for further use in third-party GIS software.

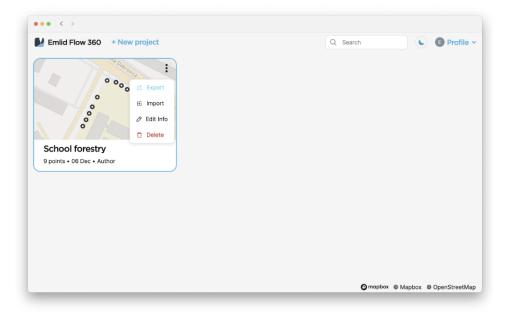
7.1 Overview

With Emlid Flow and Emlid Flow 360, you can export your projects CSV, DXF, or Shapefile to work with them in third-party GIS software.

7.2 Exporting project

To export the project, follow the steps below:

- 1. Open Emlid Flow 360 and find the project you want to export.
- 2. Tap the 3 dots button in the top right corner of the project's plate. Click *Export*.



3. Choose the format in which you want to export your project.

Emild Flow 360 * New project School forestry School forestry 9 points • 06 Dec • Author CSV DXF with point labels Shapefile Shapefile Shapefile	••• < >		
School forestry 9 points • 06 Dec • Author DXF with point labels Shapefile	1 / ° ° ° ° °		le ~
		🔘 mapbox 💿 Mapbox 💿 OpenStree	tMar

4. Wait until Emlid Flow 360 finishes to export your project. Save the file depending on the device you use.

Now your project's data is ready for further use in third-party GIS software.

8 Account and subscription management

8.1 Account management

This guide describes how you can manage your Emlid account.

8.1.1 Overview

An Emlid Account is a free and simple way to synchronize your data from the Emlid Flow and Emlid Flow 360 apps across your mobile and desktop devices. Once you log in to your account, your data will be immediately backed up to the cloud and available on every device you use. Besides, with an Emlid Account, you can upgrade to the Survey subscription plan.

Tip: Learn more about the Survey subscription plan on the Emlid Flow and Emlid Flow 360 landing page.

8.1.2 Create account

All you need to create an account is to enter your email and set a password. This will automatically create a profile that will store your projects, NTRIP profiles, and custom coordinate systems. Follow the steps below:

- 1. Go to flow360.emlid.com.
- 2. Click the Sign Up tab.

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	CMLID Sign Up Log In Sign Up
	SIGN UP WITH APPLE
	or
	Survey Sexample.com
	your password Receive emails about the latest news and updates (Requind) I agree to have my data transferred to Emild
	SIGN UP >

- 3. Type in your email and password in the corresponding fields.
- 4. Click the *SIGN UP* button.
- 5. Verify your email address by following the on-screen instructions.

Once you create an Emlid account, log in to Emlid Flow or Emlid Flow 360 to enable data synchronization between all your devices.

Note: You can delete your Emlid Account only in Emlid Flow.

8.2 Subscription management

This guide describes how you can manage your Survey subscription.

Tip: You can manage your subscription from both Emlid Flow and Emlid Flow 360.

8.2.1 Overview

You can upgrade your Emlid Flow and Emlid Flow 360 apps to the Survey subscription. The upgrade requires an Emlid Account and offers two subscription plans based on monthly or yearly billing periods.

Note: When subscribing for the first time, you will be offered a free 30-day trial.

The subscription is multi-platform and features professional survey tools:

- coding,
- linework,
- and a satellite map.

Tip: Learn more about the Survey subscription plan on the Emlid Flow and Emlid Flow 360 landing page.

8.2.2 Upgrade to Survey subscription

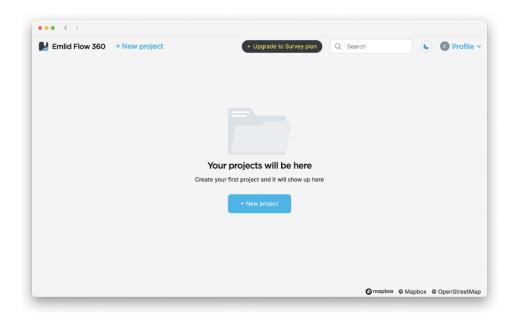
Tip: *If you haven't created an Emlid Account yet, check the Getting started guide.*

To upgrade to the Survey subscription, follow the steps below:

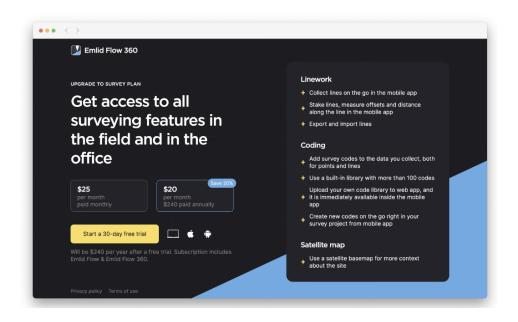
- 1. Go to flow360.emlid.com.
- 2. Log in to your Emlid Account.

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	LOG IN >

3. Click the subscription plate.



4. Start a free trial and fill in your details. Tap *Continue*.



Note: A free trial is 30 days. When the trial is over, the plan will be automatically renewed until cancelled. You can change the plan in the subscription management settings depending on your mobile device's platform.

5. Fill in the payment details and click *Start Your Free Trial*. You'll be automatically redirected to the main screen.

Once you upgrade to the Survey subscription, you can start using the featured professional survey tools both in Emlid Flow and Emlid Flow 360.

8.2.3 Cancel Survey subscription

Note: You can unsubscribe only on the platform you started the subscription.

To cancel the Survey subscription, complete the following:

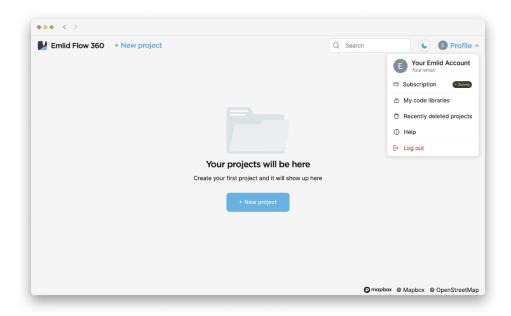
- 1. Go to flow360.emlid.com.
- 2. Log in to your account.

••• < >	
	Emlid Account
	SIGN IN WITH APPLE
	SIGN IN WITH FACEBOOK
	G SIGN IN WITH GOOGLE
	yours@example.com ····
	Don't remember your password?

3. Click Profile.

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Emlid Flow 360 + New project		Q Search	Profile
	Your projects will be here		
	Create your first project and it will show up here		
	+ New project		

4. Click Subscription.



5. Click *Unsubscribe* and confirm it.

Emlid Flow 360			Sector Secto
	← All projects		
	Subscription		
	Current plan	Survey	
	Next payment	1 Feb 2023	
	Subscribed via	Emlid Flow 360	
	Unsubscribe Code libraries, li unavallable.	nework, and satellite map will become	

Once you unsubscribe, code libraries, linework, and a satellite map will become unavailable for use. However, you still will be able to view created using the subscription projects with linework and codes and export them in any format.

If you need help, contact the Support team at support@emlid.com.

8.2.4 Restart Survey subscription

Note: If you want to restart the subscription with active days left, you should go to the platform where it was activated at first.

If you cancelled the subscription and want to restart it, you can easily do it both in Emlid Flow and Emlid Flow 360 anytime you want.

To restart the subscription, follow the recommendations below:

Note: *If you have days left on the active subscription, you can restart the subscription only when they are over.*

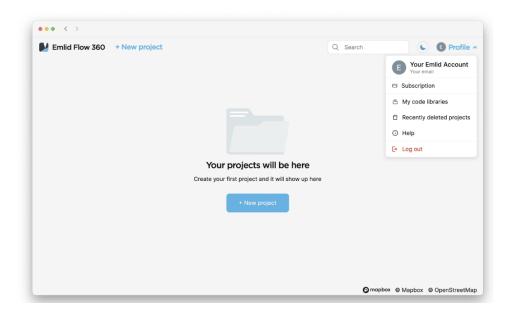
- 1. Go to flow360.emlid.com.
- 2. Log in to your Emlid Account.

••• < >	
	Emlid Account
	SIGN IN WITH APPLE
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	Don't remember your password?
	LOG IN >

3. Click Profile.

••• < >			
Emlid Flow 360 + New project	Q. Search		Profile •
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Create your	t project and it will show up here		
	+ New project		
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4. Click Subscription.



- 5. Fill in your details. Tap *Continue*.
- 6. Fill in the payment details and subscribe. You'll be automatically redirected to the main screen.

Once you restart your subscription, code libraries, linework, and a satellite map will be again available for use.

If you need help, contact the Support team at support@emlid.com.