

Support Bulletin

iFeature Template synchronization

Land Administration

March-2022

The following document describes how to synchronize a template

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<https://geospatial.trimble.com/>

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Definitions

Penmap Product Family

The Penmap Product Family contains the following software packages:

- Penmap for Android
- Penmap Project Manager (including Penmap Cloud Converters)

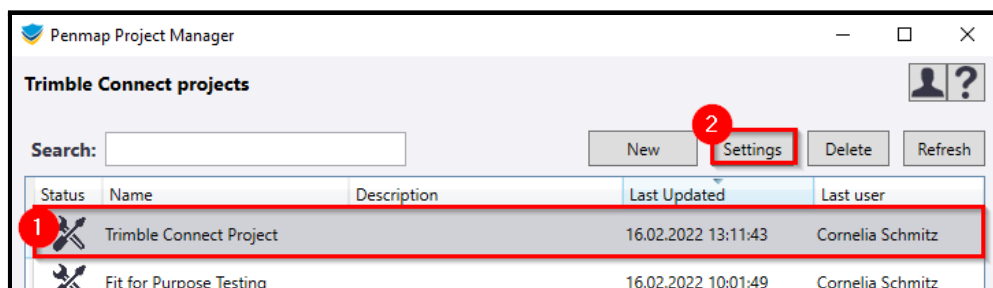
Penmap Template

The Penmap template defines iFeatures, layers, styles, symbols and GIS schema which should be used in a Penmap project.

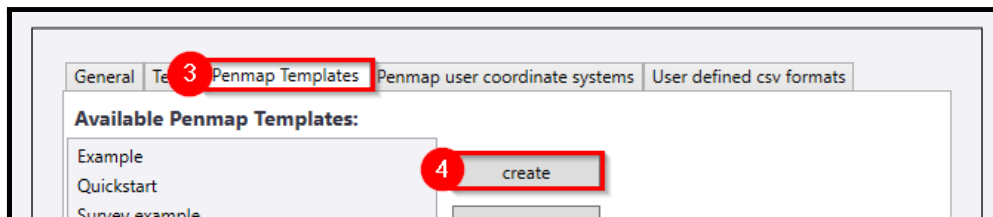
A Penmap template can be created in Penmap Project Manager.

Create a template in Penmap Project Manager

1. Select the **Trimble Connect** project
2. Open the **Settings**

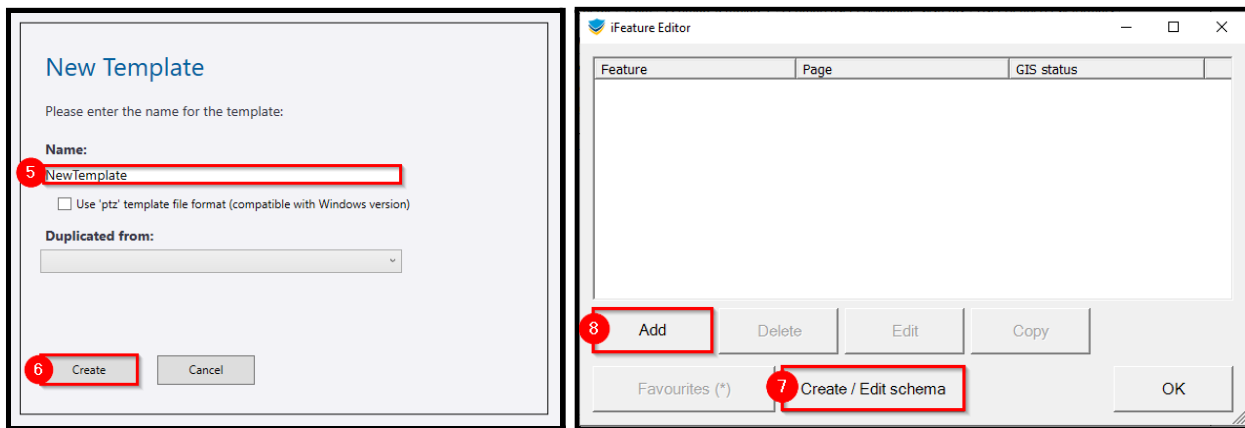


3. Go to the **Penmap Templates** tab.
4. Click **Create**.

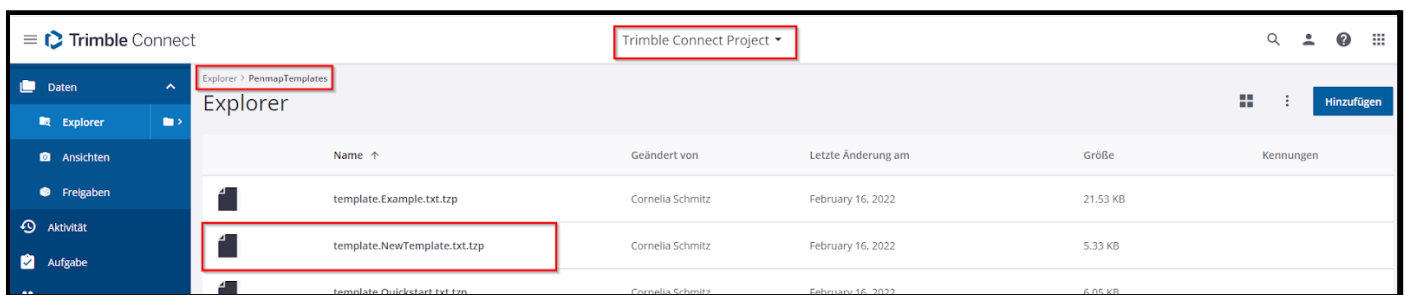


5. Enter the template **Name**
6. **Create**

Note: Find how to create a template from an existing one [here](https://geospatial.trimble.com/).



7. Set up the needed GIS via **Create/Edit schema**
Note: it's recommended to set up the GIS first to use it in the features directly. Find a detailed example [here](#).
 8. **Add** features
 9. **OK**
 10. **OK**
- The new template is stored in Trimble Connect (<https://web.connect.trimble.com/>) in the Connect Project folder at Penmap Templates.



Use the new template to create a project in Penmap Project Manager

Use the template in Penmap Project Manager

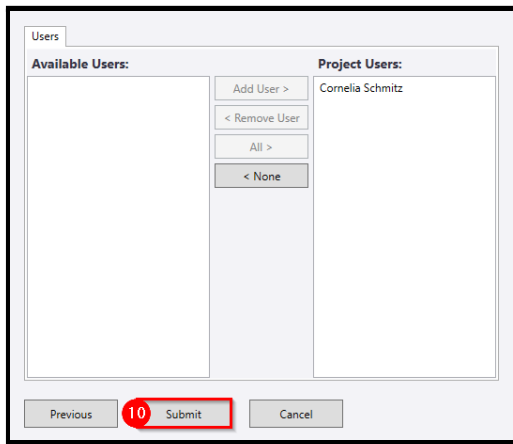
1. Open the Trimble Connect Project via double click
2. Create a **New Project**
3. Enter a project **Name**
4. Select the new template
5. **Next**

<https://geospatial.trimble.com/>

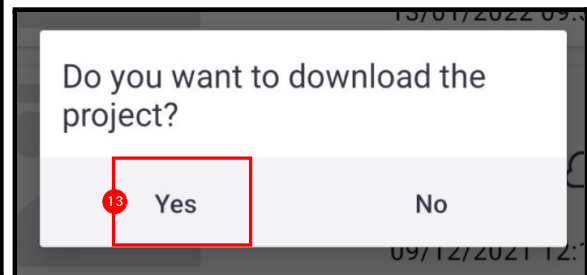
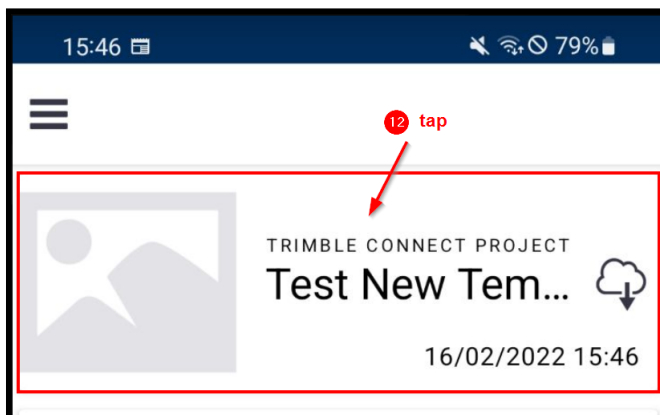
6. Select the coordinate System
7. click **Next**

8. Select import data if needed
9. Click **Next**
 - a. If you go forward without data click **yes** to proceed

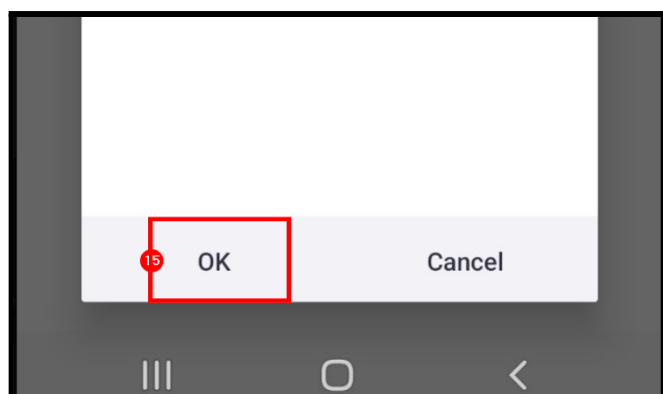
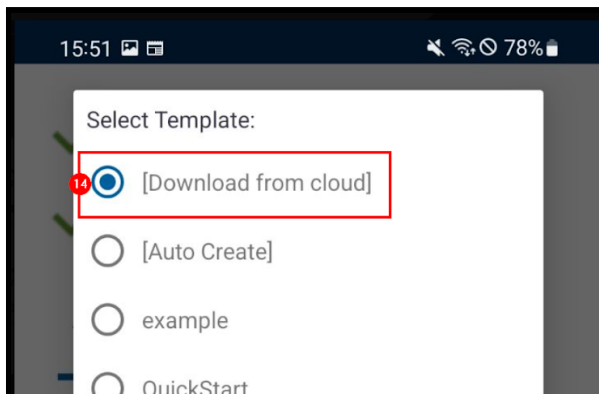
10. Click **Submit**



11. Start Penmap for Android
12. Tap to the project
13. Select **yes** to Download the project



14. Confirm **Download from Cloud**
15. With **OK**

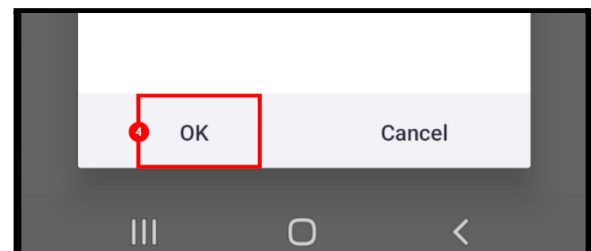
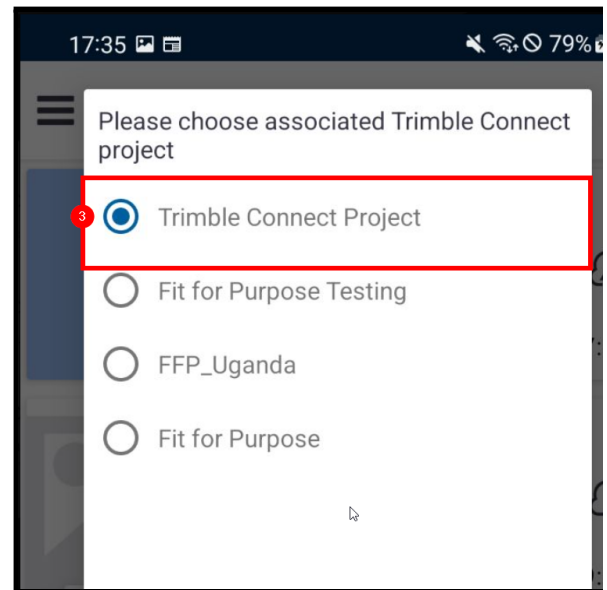
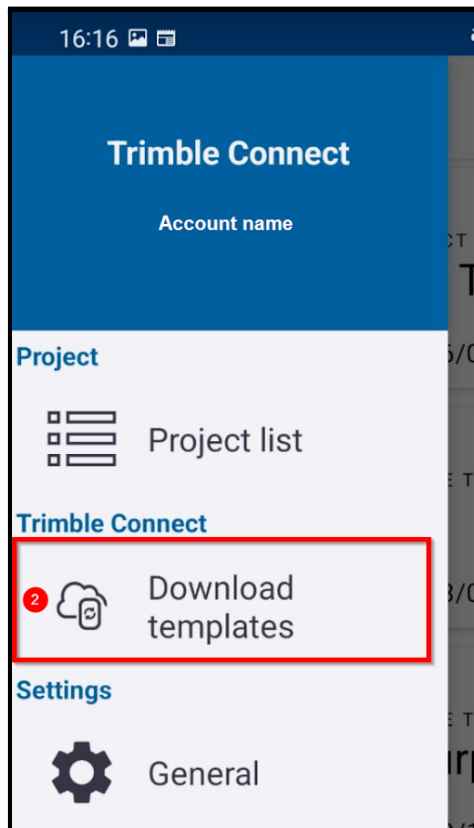


- The template is stored into the project file (pdt).
- The template is downloaded to the configuration folder (Internal storage\Android\data\com.trimble.penmap\files\My Penmap\ApplicationData\configfiles). The template can be used for new projects.

Use the new template in Projects created with Android

If the template is created via Penmap Project Manager and not in use yet download the template for usage via

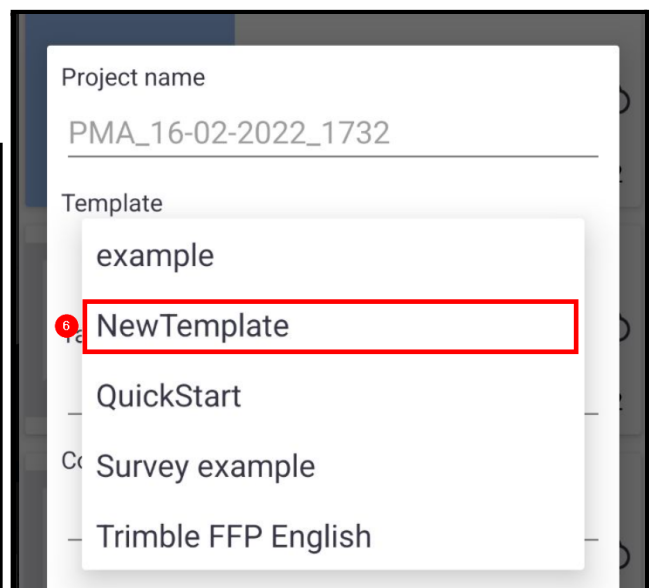
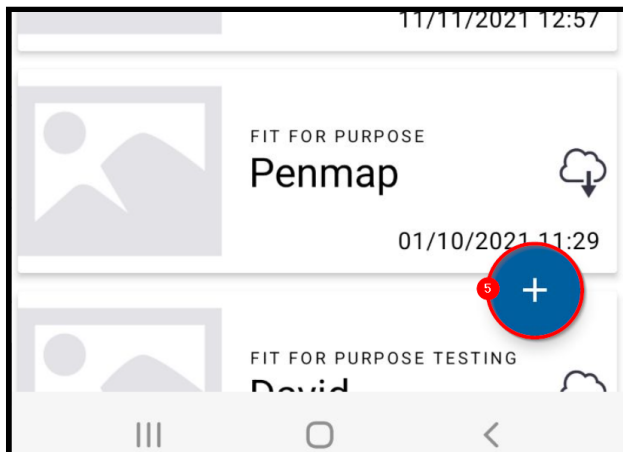
1. Main menu 
2. **Download templates**
3. Select the matching Trimble Connect Project
4. **OK**



The template is downloaded to the configuration folder (Internal storage\Android\data\com.trimble.penmap\files\My Penmap\ApplicationData\configfiles). The template can be used for new projects.

5. Create a new project
6. Select the new template

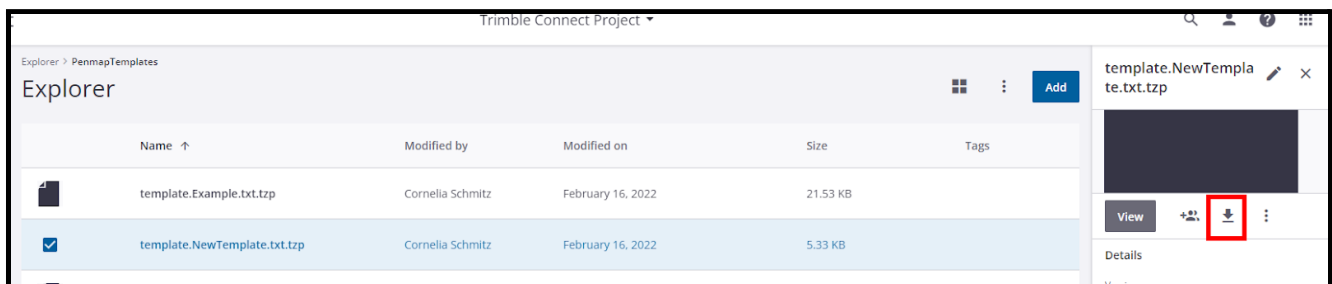
<https://geospatial.trimble.com/>



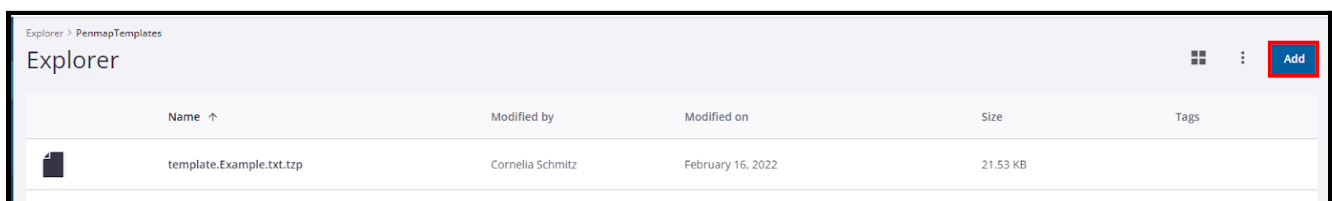
Share a template to another Project (Connect Project)

The template is stored in Trimble Connect. The easiest way to exchange the template is to exchange the template zip file.

1. Open your browser
2. Login to Trimble connect <https://web.connect.trimble.com/>
3. Select your Trimble Connect Project
4. Select **Penmap Templates**
5. download **template.<templatename>.txt.tzp**



6. Select the Trimble Connect Project to which the template shall be copied
7. Select **Penmap Templates**
8. Click **Add** to upload the tzp

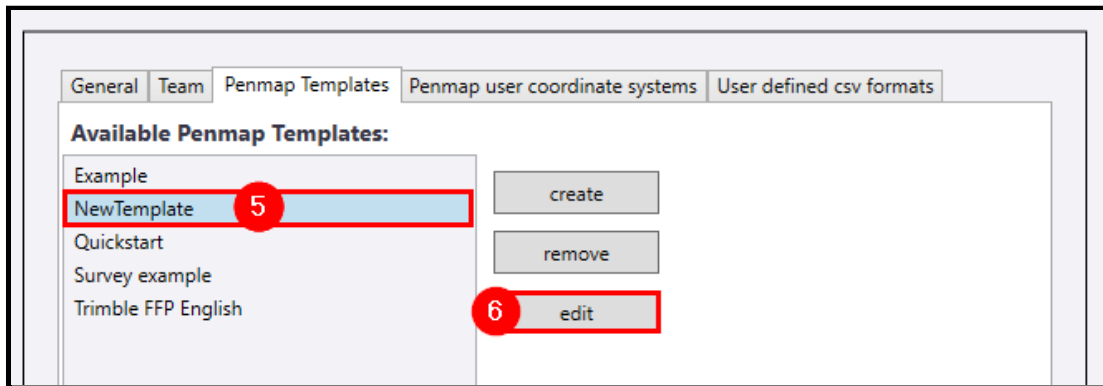


Edit a Template and synchronize to Penmap for Android

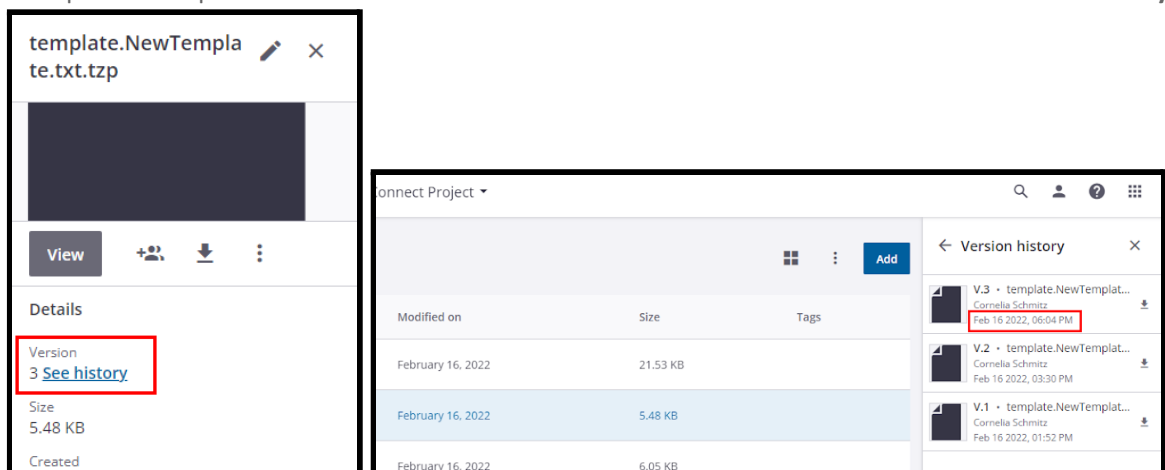
1. Start Penmap Project Manager.
2. Select the **Trimble Connect** project .
3. Open the **Settings**.

<https://geospatial.trimble.com/>

4. Go to the **Penmap Templates** tab.
5. Select the template
6. **Edit**



7. Adjust the template
8. **Save**
9. **ok**
- The updated template is stored in Trimble Connect. This can be checked in Trimble Connect **see history**



- In Penmap Project Manager the changed template is available immediately
- Download Template in Penmap for Android to use the changed template for new projects (the old one will be overwritten). Existing projects are not affected by the change.
10. Open Penmap for Android
11. Main menu ☰
12. **Download templates**
13. Select the matching Trimble Connect Project
14. **OK**
- The template is downloaded to the configuration folder (Internal storage\Android\data\com.trimble.penmap\files\My Penmap\ApplicationData\configfiles). The template can be used for new projects.

Troubleshooting

I can not see the new template in Penmap for Android

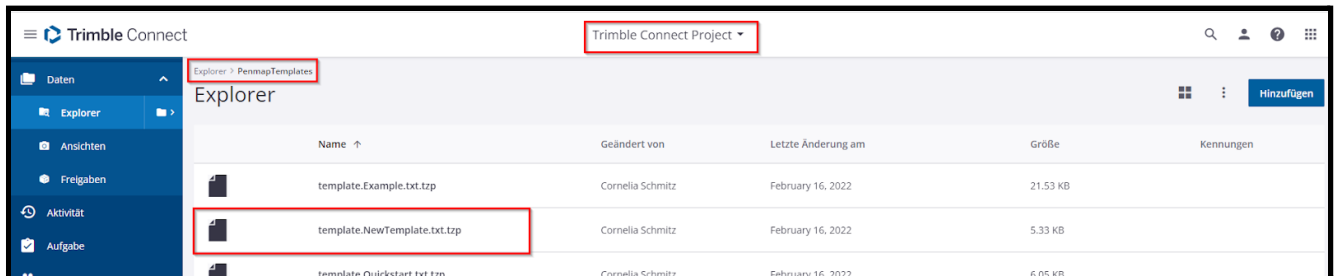
1. Open Penmap for Android
2. Main menu ☰
3. **Download templates**
4. Select the matching Trimble Connect Project

<https://geospatial.trimble.com/>

5. OK

If the template is still not visible in Penmap for Android please check if the template is uploaded to Trimble Connect.

1. Open your browser
2. Login to Trimble connect <https://web.connect.trimble.com/>
3. Select your Trimble Connect Project
4. Select **Penmap Templates**
5. Check if the template is uploaded as **template.<templatename>.txt.tzp**



6. If this is fine logout in Penmap for Android

- a. Main menu 
- b. Sign out

7. Sign in

8. Main menu 

9. **Download templates**

10. Select the matching Trimble Connect Project

11. OK

The Template is changed in Penmap Project Manager, why can I not see the changes?

The template is changed in Penmap Project Manager and therefore stored in Trimble Connect. The changes are available for new projects in Penmap Project Manager.

Existing projects have their template inside and will not get the changes

To have the template available in Penmap for Android for **new projects** download the template via

1. Main menu 
2. **Download templates**
3. Select the matching Trimble Connect Project
4. OK

In an existing project the template is read from the project. Changes from the outside are not taken over the project.

The template is changed in Penmap for Android, why can I not see the changes in other projects?

The template is stored in the Penmap project. Changes in the project will not affect other projects. If changes are needed for other projects the template changes have to be done in Penmap Project Manager.

The Template is downloaded but I can not see it.

If the download does not work correctly, delete the cache.

This should happen via logout/login

<https://geospatial.trimble.com/>

1. Main menu ☰
2. **Sign out**
3. **Sign in**

If this does not work the cache can be deleted manually

1. Main menu ☰
2. **System**
3. **Enable Cache**
4. **Ok**

Example to add a feature with GIS

1. Follow [Create a template in Penmap Project Manager](#) up to 7 **Create/Edit schema**
2. **Add Table**

Step 1) Define Tables/Objects

Table	Label	Type	ID Char
-------	-------	------	---------

2 Add Table Remove Table Edit Table Edit Fields

3. Enter the **Name** e.g. Tree
4. Select the **GIS Type**
Note: the GIS Type has to match to the feature Type e.g. a GIS Type point can be used from a point iFeature only
5. **OK**

New table

Table Properties

3 Name:

Label:

GIS Type: 4

Character to be shown:

Ext Type:

Select type of object eg symbol for tree or area group for house

5 OK Cancel

6. Select the table
7. Go to the Fields tab

Penmap Form Editor (dbversion: 10) - C:\Users\cschmit\Documents\PenmapFeature\gis_NewTemplate.xsd

File Preview Screen Height Options Help

Tables **Fields** 7

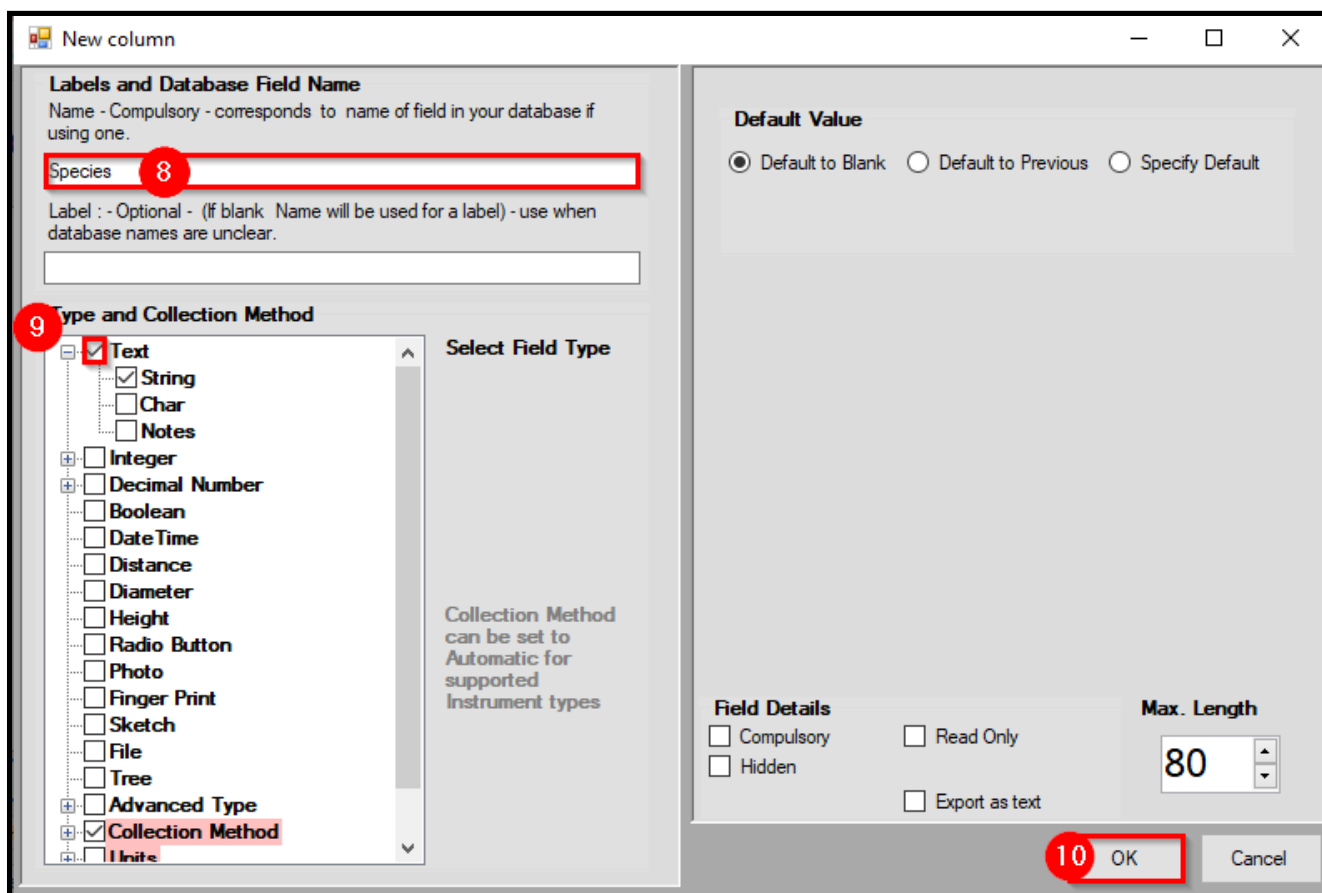
Step 1) Define Tables/Objects

Table	Label	Type	ID Char
Tree		Symbol	

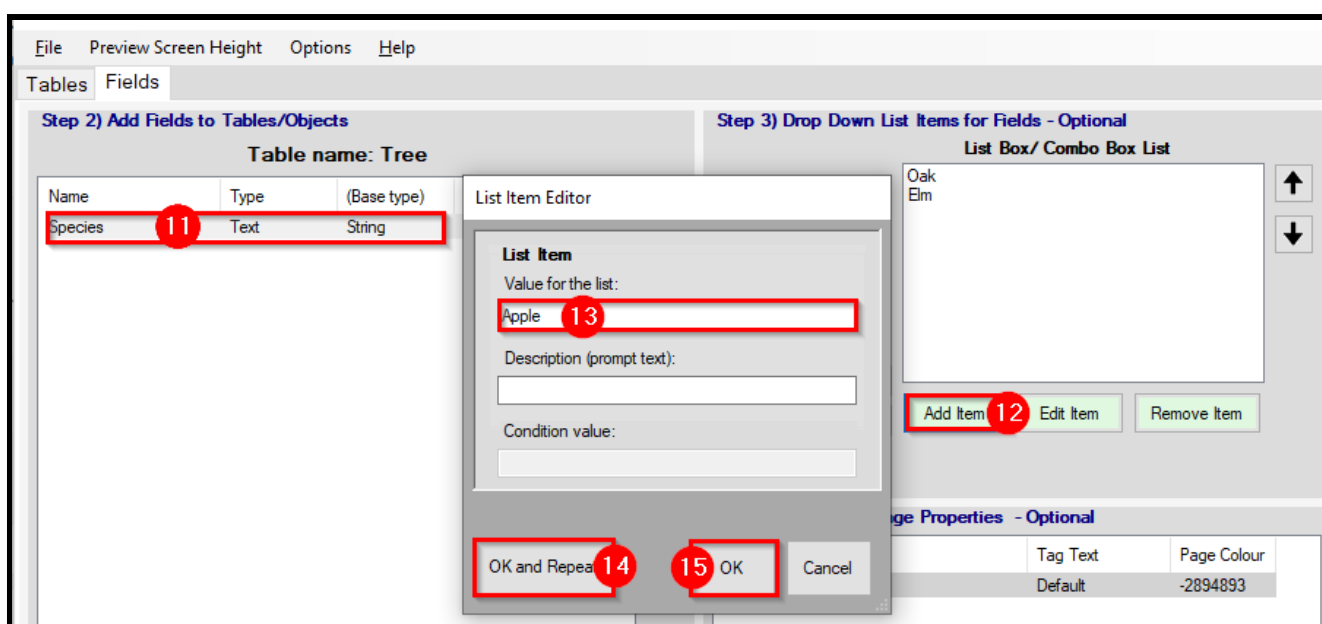
6

8. Enter the attribute Name
9. Select the type
10. OK

<https://geospatial.trimble.com/>



11. Select the attribute
12. Add Item to add a list
13. Enter the name
14. OK & Repeat to add more entries
15. OK after the last one



16. File | Save
17. File | Exit

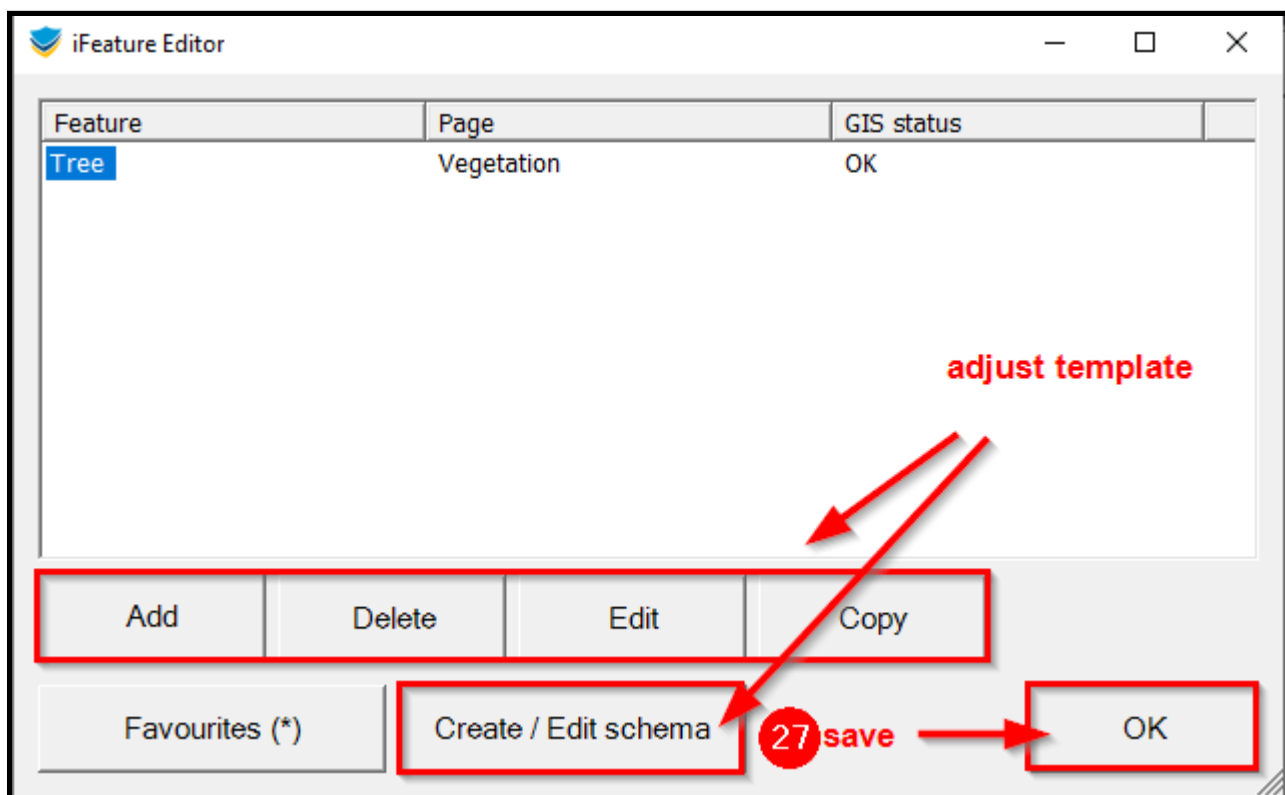
<https://geospatial.trimble.com/>

18. **Add** Feature
19. Enter Feature name
20. Page add a new one e.g. Vegetation
21. Select Feature type
22. Select GIS
23. Select Graphic element
24. Add a new Layer
25. Select Pointstyle
26. Save

The screenshot shows the 'iFeature Editor' dialog box. It contains several input fields and buttons, each highlighted with a red box and a red circle containing a number:

- Feature name:** A text box containing 'Tree' (19).
- Code:** An empty text box.
- Page:** A dropdown menu showing 'Vegetation' (20).
- Feature type:** A dropdown menu showing 'Point' (21).
- GIS:** A dropdown menu showing 'Tree' (22).
- Graphic element:** A dropdown menu showing 'Point' (23).
- Layer:** A dropdown menu showing 'Vegetation' (24).
- Point style:** A dropdown menu showing 'MediumCircle' (25).
- Buttons:** An 'Edit' button next to the Layer dropdown, and 'Save' (26) and 'Cancel' buttons at the bottom.

27. OK



Contact

For more information or questions contact the Trimble Penmap community.

<https://community.trimble.com/groups/penmap-for-andriod>

<https://geospatial.trimble.com/>