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Title: Collaborative Environment with Trimble Connect

1 – Aims

The objective of this Trimble Connect tutorial are:

- To learn about the use of Trimble Connect as an open collaboration tool, to detect built-in clashes and for team management.
- To know about how to use this tool to involve everyone in a BIM project and to deliver what is needed when it is needed by the project team.

2 - Learning methodology

The teacher will give an explanation about the use of the tool.

Students will read this tutorial, do the exercise and explore the tool.

To assess the achievement of the task, each student will write a report.

3 - Tutorial duration

The practice described in this tutorial will be carried out in a computer classroom.

It will last 3 teaching hours.

4 – Necessary teaching recourses

Computer room with PCs with internet access.

Required software: Trimble Connect

Hardware required: Computer with the capacity to support the software.

5 – Contents & tutorial.

5.1 Introduction

5.2 How to Start

5.3 How to work

5.4 Import models in IFC format and do Clashset



6 - Deliverables

To assess the achievement of the task, students will write a report of a maximum of 3 pages.

In this report, the student will explain the steps taken, the difficulties encountered, and the decisions taken. The report could be illustrated with photographs of the process executed.

7- What we have learned

How to structure the project information to be accessed and managed by all the project members in a collaborative way.

How to detect built-in clashes.

8 – Files to use in this tutorial

Two files in IFC format.

A pdf file.

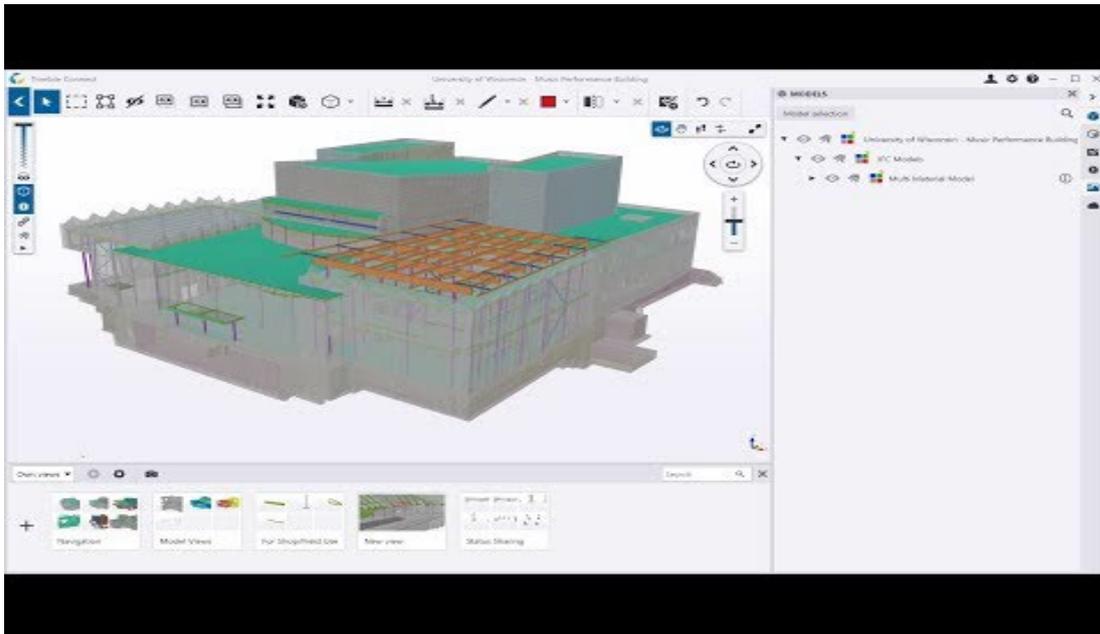
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5 – Contents & tutorial.

5.1 – Introduction.

To discover Trimble Connect you can start watching the video (<https://youtu.be/i-SpSKAMsCI>) that shows the basics of collaborating with Trimble Connect as well as viewing 3D models and 2D drawings to link documents and assigning action items.

<https://youtu.be/j-SpSKAMsCI>



5.2 – How to Start

You can **download** the free software and **create a Trimble Identity** (mandatory) through the link:

- Download: <https://www.construsoft.com/how-start-using-trimble-connect>
- Create a Trimble Identity: <https://identity.trimble.com/>

Trimble Connect free is a license that is most suitable for offline use. You can create unlimited offline projects. Online projects are limited to one project, 10GB cloud storage and maximum of 5 participants.

CONSTRUSOFT

BIM SOFTWARE ▾ TRAINING AND EDUCATION ▾ SHOP ABOUT ▾ CONTACT FREE DEMO 🔍 EN ▾

Step 1
Download Trimble Connect

You can download the desktop application of Trimble Connect through the buttons on the right. After you fill in your data, Trimble Connect for desktop will automatically download. Continue to install the program on your device. Once you run the program, please sign in with your account (or create an account with the step underneath).

Trimble Connect 32 bit

Trimble Connect 64 bit

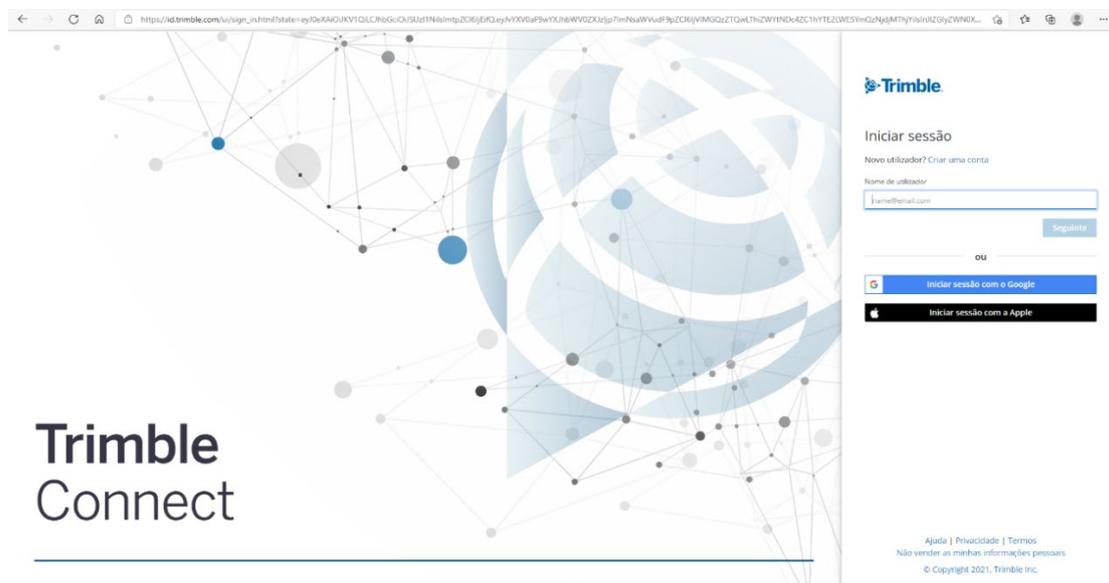
Step 2
Create a Trimble Identity

You need a Trimble Identity account to use Trimble Connect. If you don't have one, create your Trimble Identity account on identity.trimble.com. Creating an account is easy and takes a few seconds. Once you've created your account, simply activate it by clicking the link in the email we sent to you. You can now use your account to log into Trimble Connect.

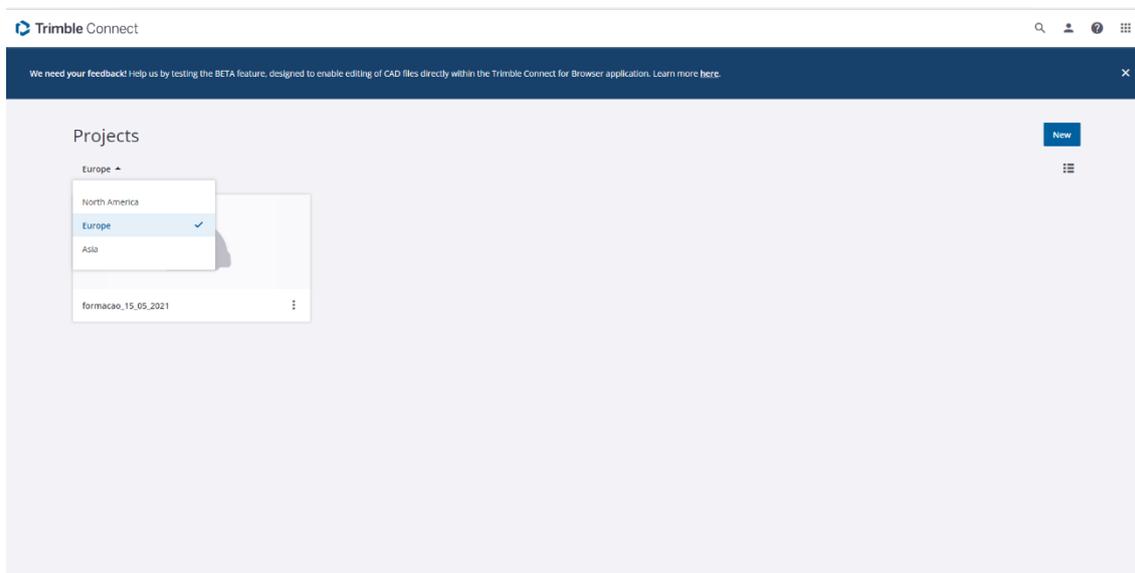
You can choose:



- Work on computer app – You need to do the **installation** of software and **Sign in** with your Trimble Identity;
- Work on online app - You need to access <https://web.connect.trimble.com/> and **Sign in** with your Trimble Identity.



Before creating a **New Project**, you can choose the server location.



Fill in the details for the **New Project**.

New Project ✕

Please enter the following details for the new project

Name

Project thumbnail

Upload new

Choose project server location

Europe
▼

Project ownership
Politecnico de Leiria | ATC

Project license
Trimble Connect Business Premium by Tekla | TrimbleCon...

[More options](#)

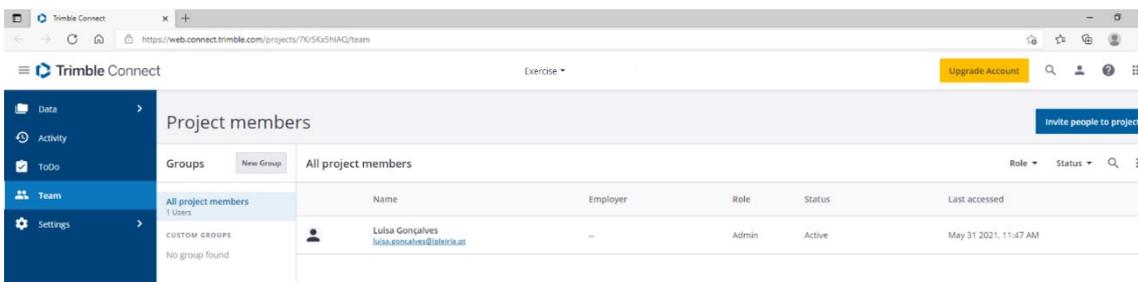
Cancel
Submit

5.3– How to Work

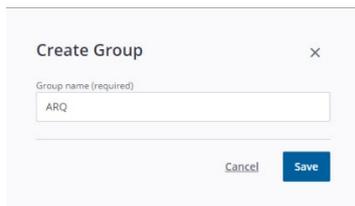
5.3.1 – MENU Team > Create groups and add project members

The first step is to create the work team. To do this, click on the **Team** menu, then create the groups by clicking in **New Group** button. Now you can invite people to the project, put then in the respective groups and assign permission.

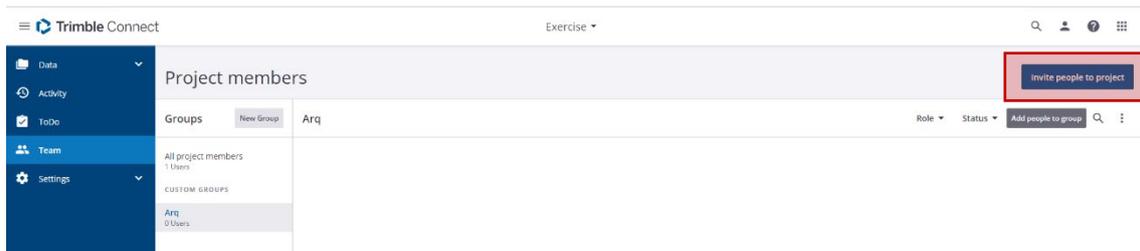
Create Groups and invite members



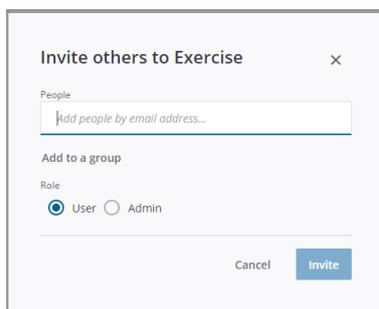
Click in **New Group** button



After creating the groups, invite people to the Project.



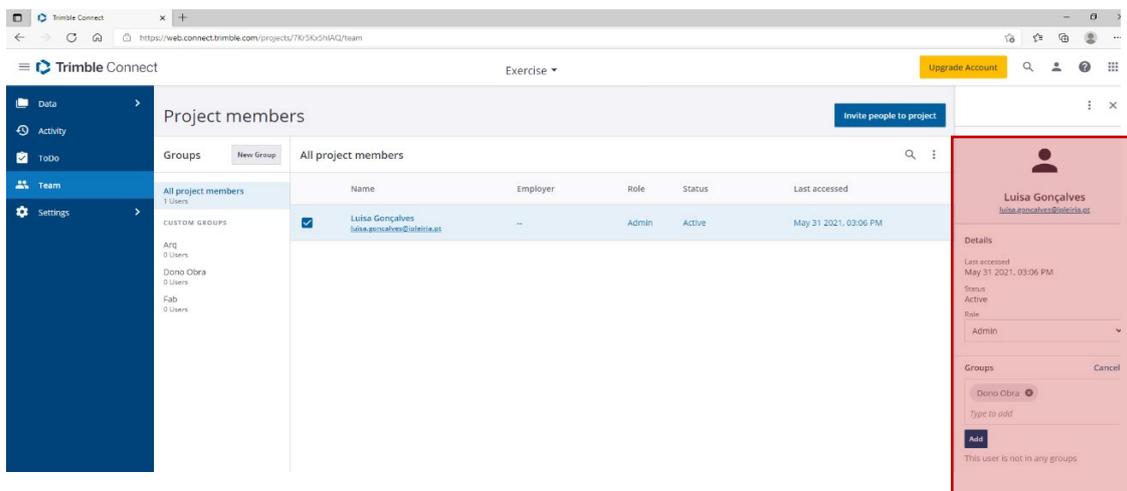
Insert the e-mail address and press  to activate the **Invite people to project** button. The person will receive an e-mail with the invitation to join the team and to activate its account.



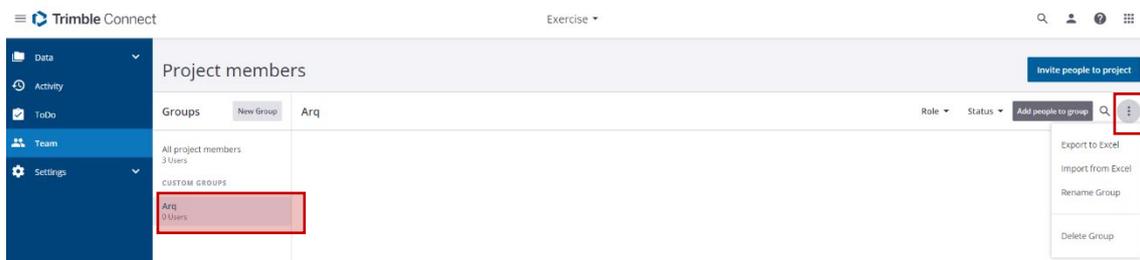
Then, associate each person the respective group work.



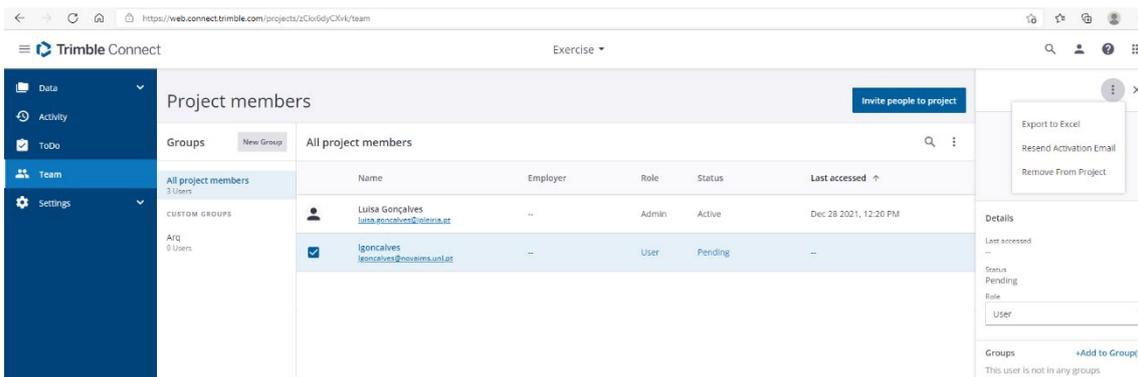
By clicking on each person, it is also possible to give them a role and a group in the window menu on the right.



To delete groups, select the group and then click on and choose **Delete Group**.

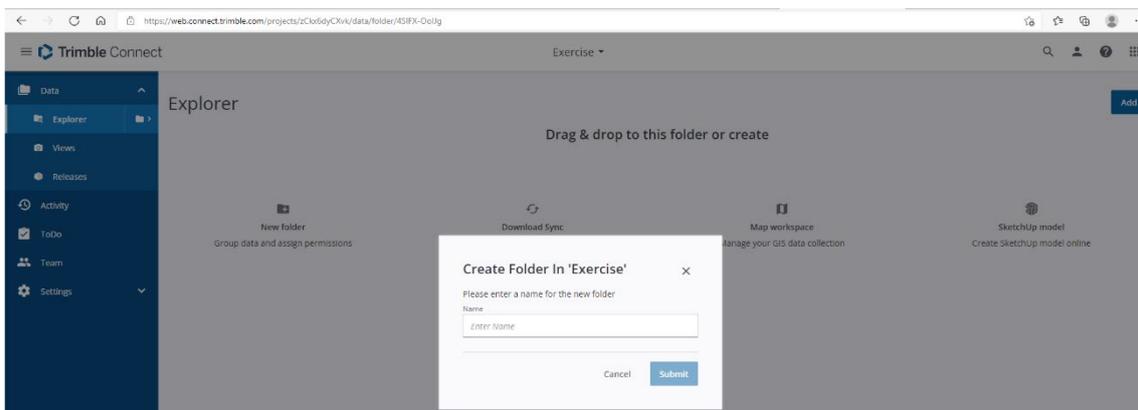
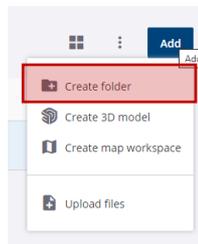
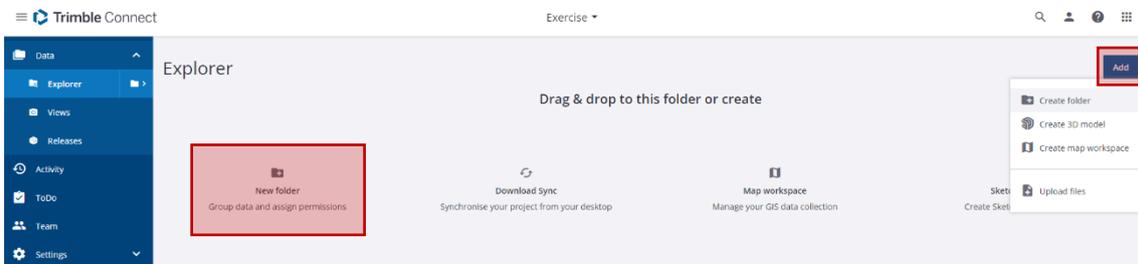


To delete a project member, select the person and then click on and choose **Remove From Project**.

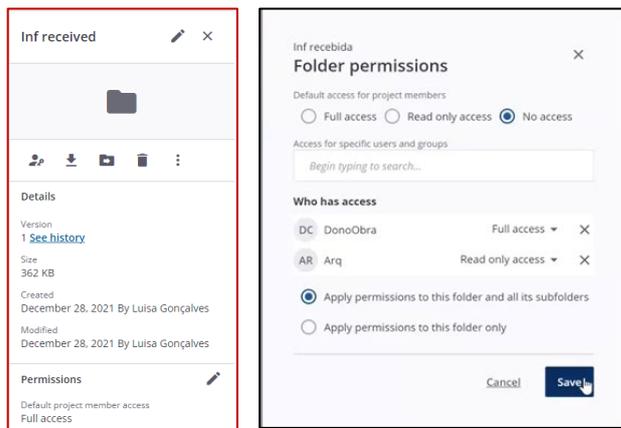
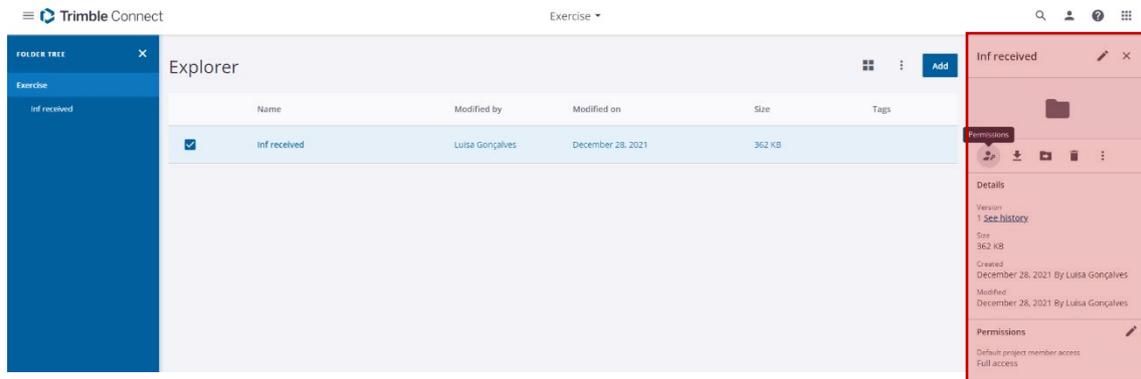


5.3.2– MENU Data > Create folders and assign permission

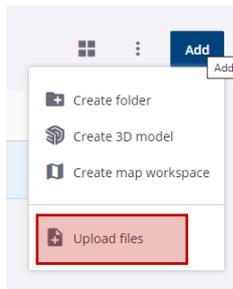
Folders are created with the **Explorer** button inside the **Data** menu. Go to **Explorer** and click on **add** in the upper right corner to add folders or click on **Create folder**.



Click on folder icon  and assign the permission in the window menu on the right.



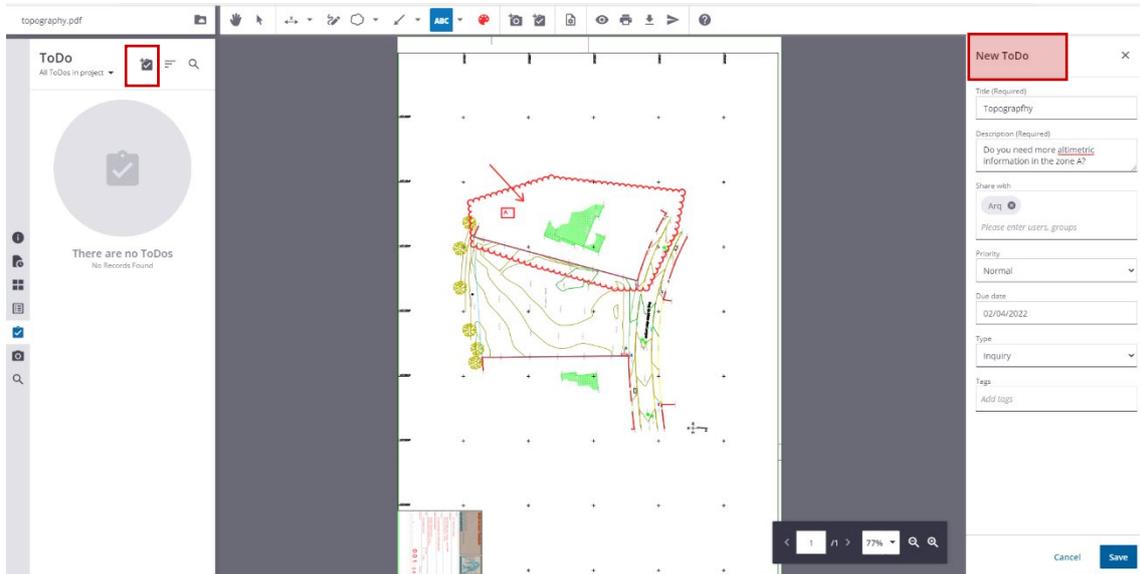
You can add files to folders. Click on **Add>upload files** and upload “topography” files.



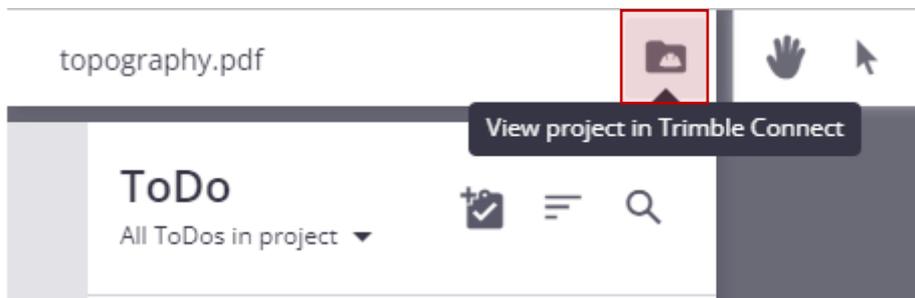
By clicking to **open the files** it is possible to assign tasks in the **ToDo** menu that appears on the left side.



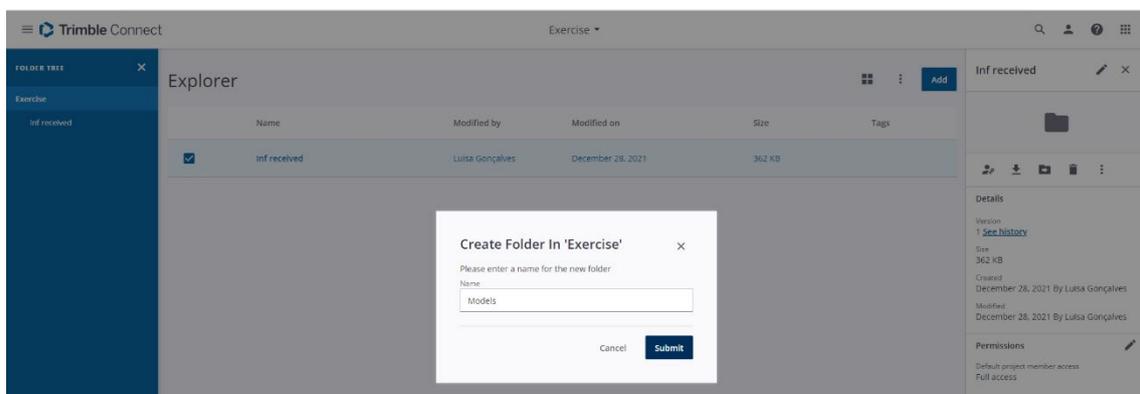
Then click on the  button and the **New ToDo window** opens on the right. In the New **ToDo** menu tasks and groups may be chosen and the group members will receive an e-mail with the task information. *This task is also registered in the ToDo menu.*



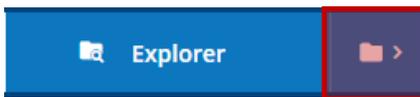
To return to the **Explore** menu you need to click on this button .



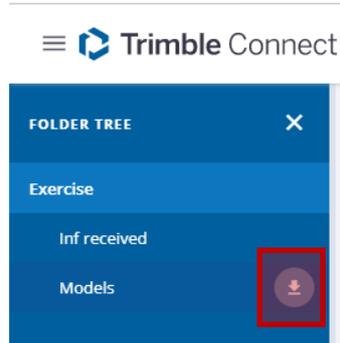
You can also create a folder named **Models** where everyone has access.



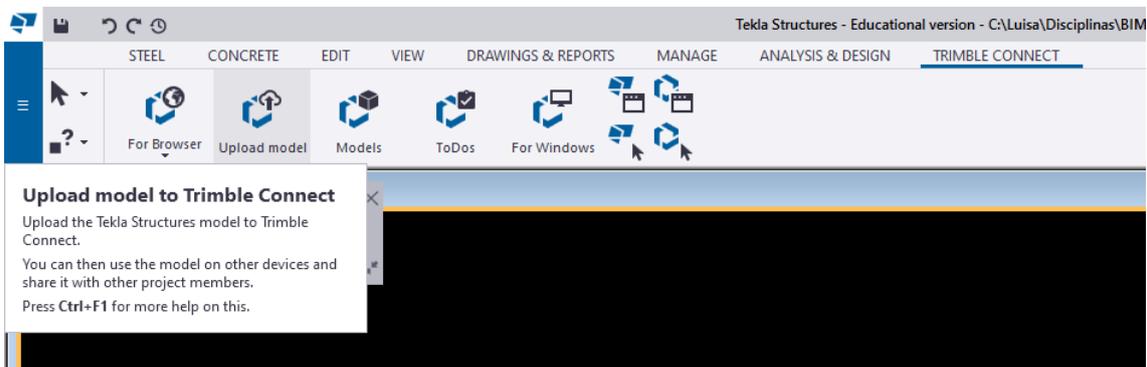
If we click on the folder symbol in the **Explorer** menu.



We can access the folders and you can download all the files.



From Tekla Structures it is possible to upload the model.

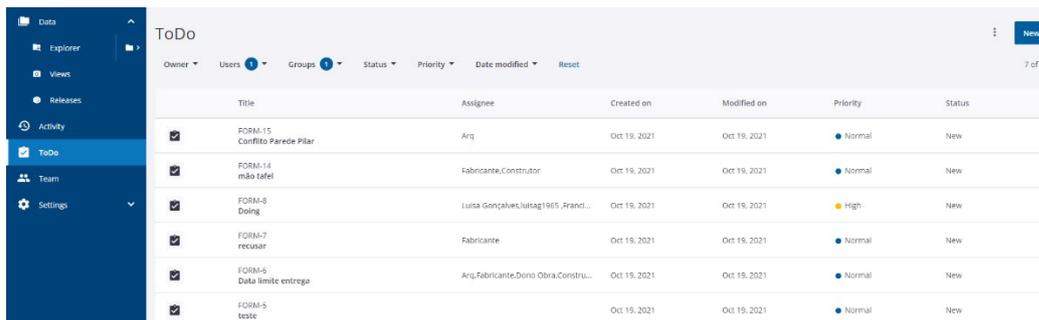
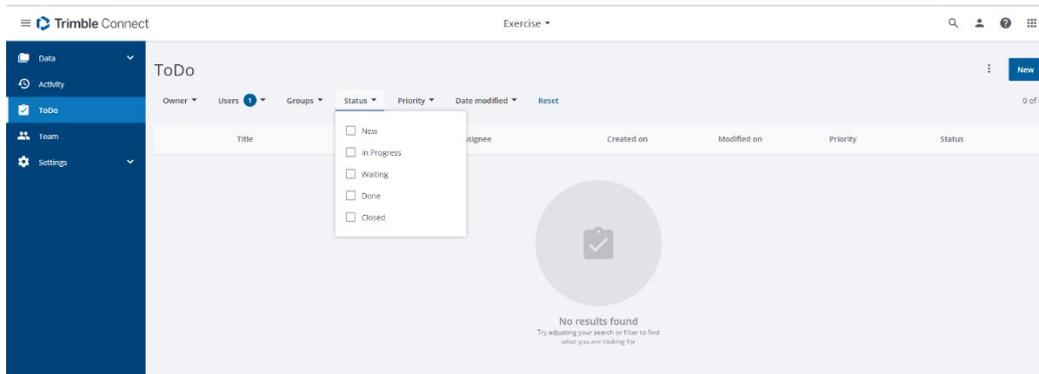


A Folder with the name Structural automatically appears in Trimble Connect.

Quick tip: The student version does not allow the model from Tekla Structures to be uploaded.

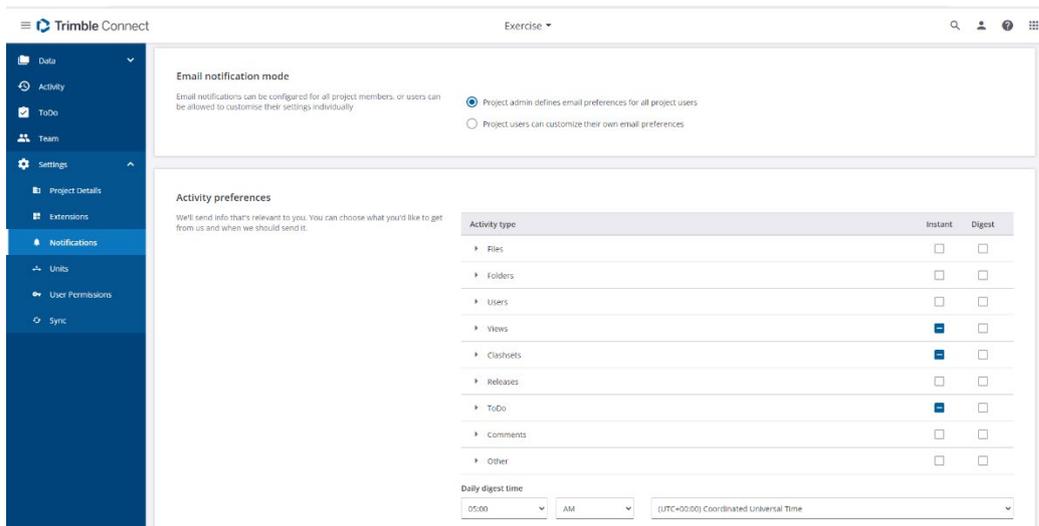
5.3.3 - MENU ToDo

In this menu it is possible to get access to all the tasks that were assigned or created by the owner, users, groups and the progress and priority of all the tasks.



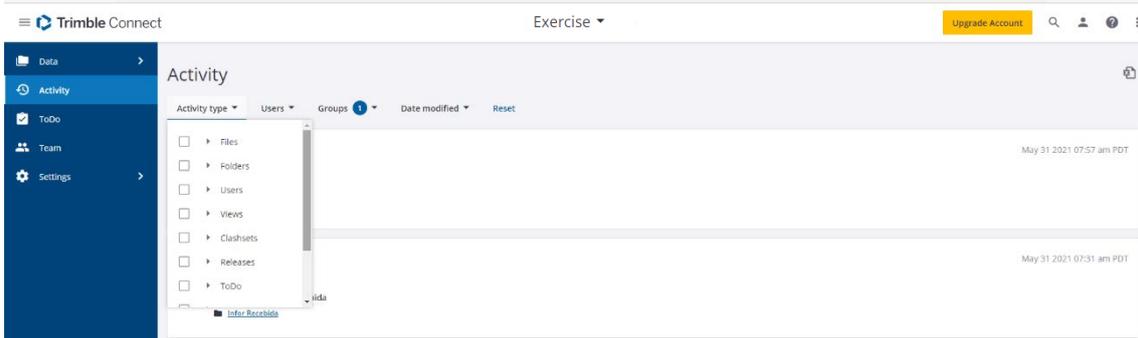
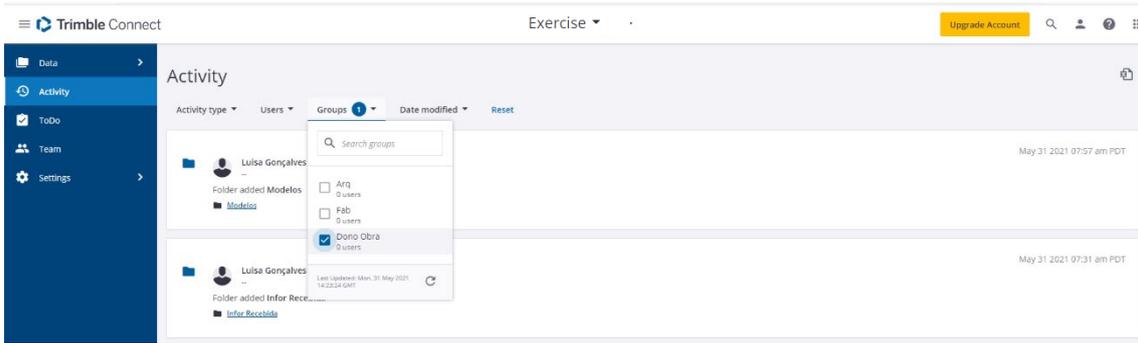
5.3.4 - MENU Settings > Notifications

You can define two types of notifications *Instant* and *Digest*. The *Instant* option means that the information is sent immediately to everyone. The *Digest* option allows you to define a time and only on that date and at that time will the information be sent to everyone.



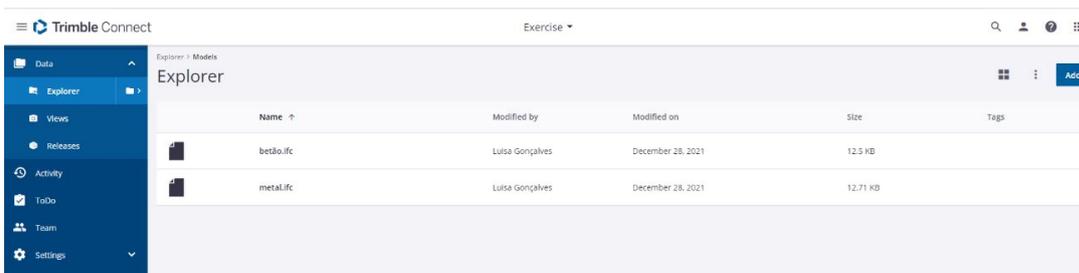
5.3.5 - MENU Activity

You can consult the activity of each member of the work team or carry out an analysis by work group, type of activity, etc.

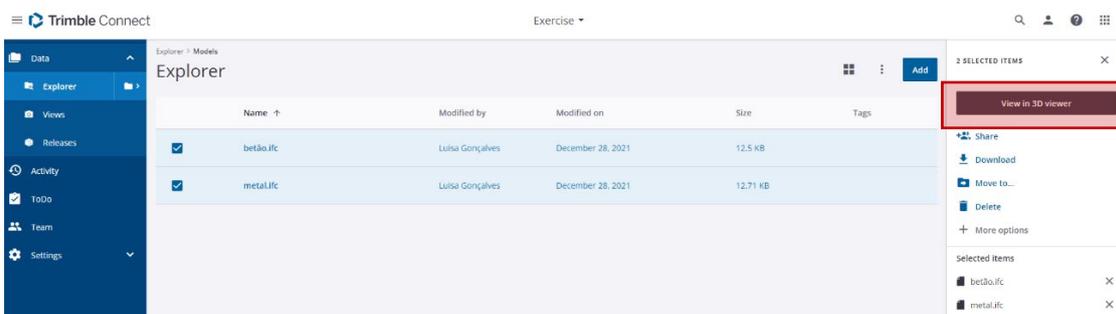


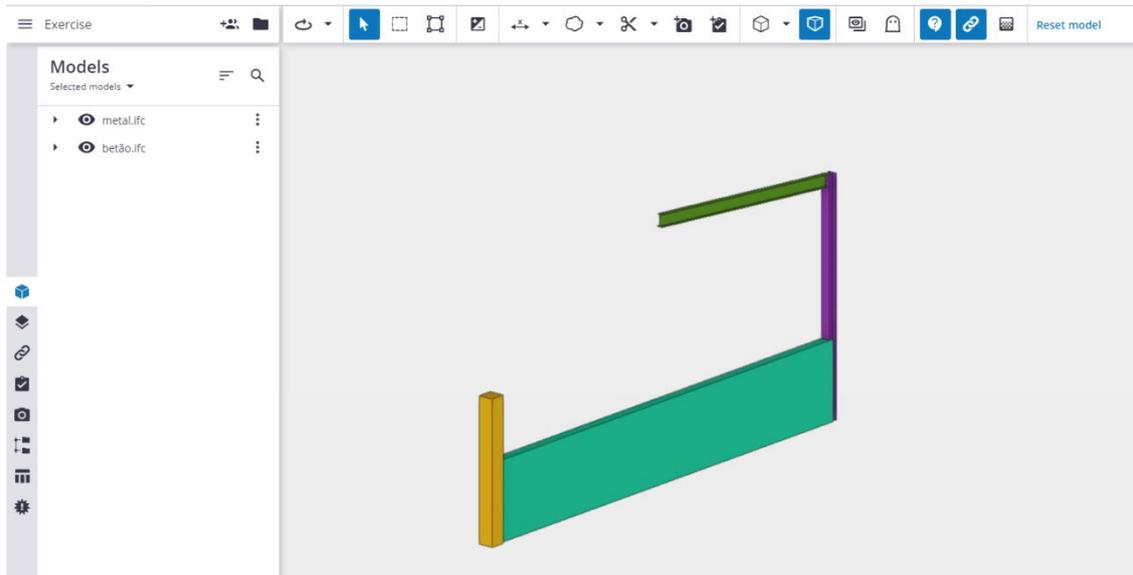
5.4 - Import models in IFC format and do Clashset

Import the models in IFC format into the Models folder created within the Explorer menu. Click on **Add>upload files** and upload the “betão” and “metal” file. To do this, you can also simply **drag and drop** the files into the Models folder.

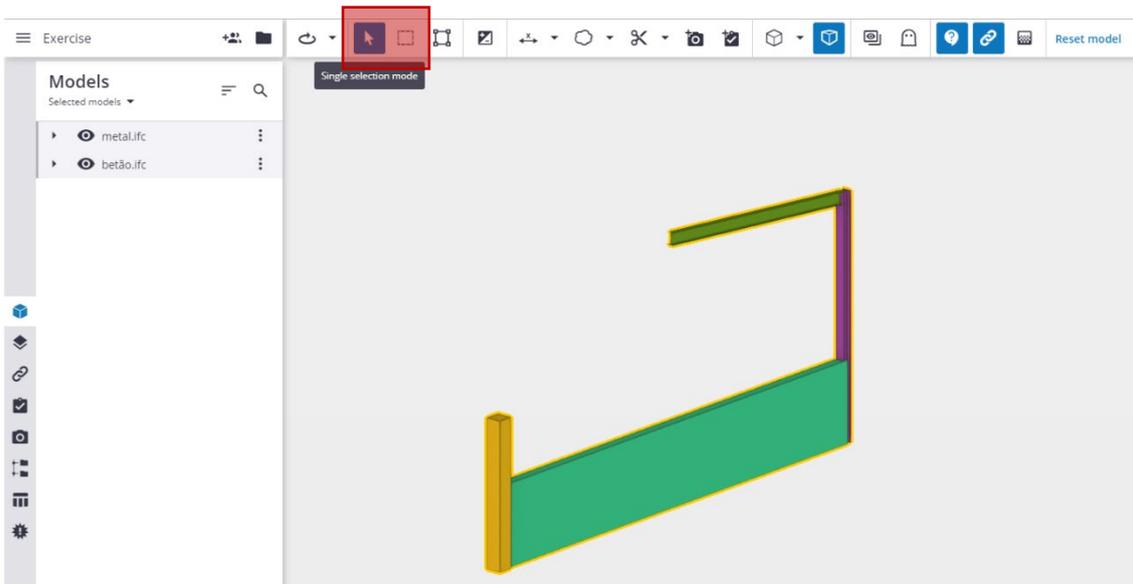


Then select the two files and click on the **View in 3D Viewer** option.

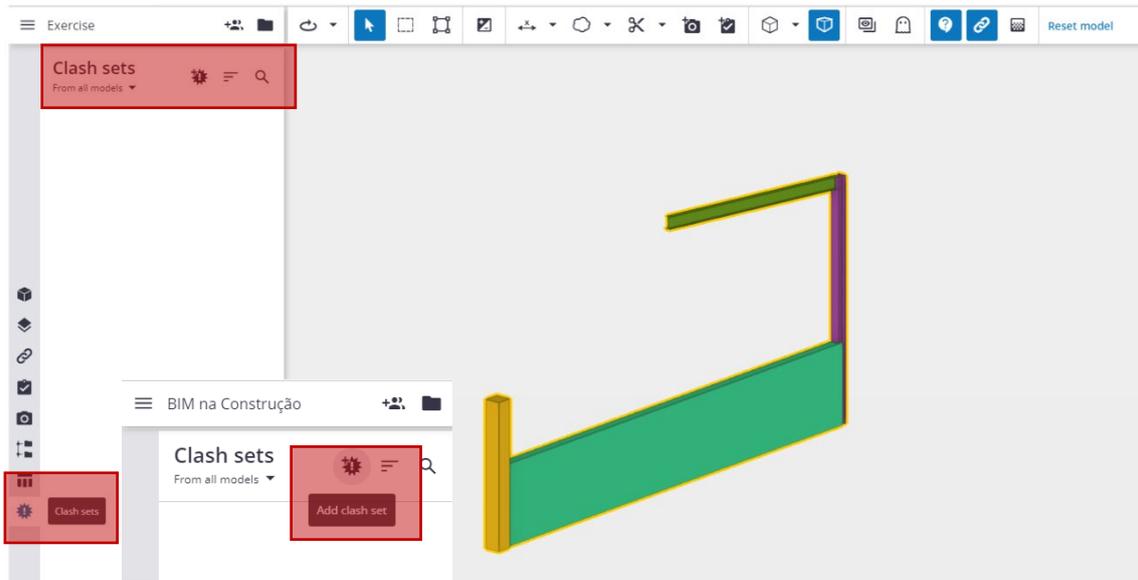




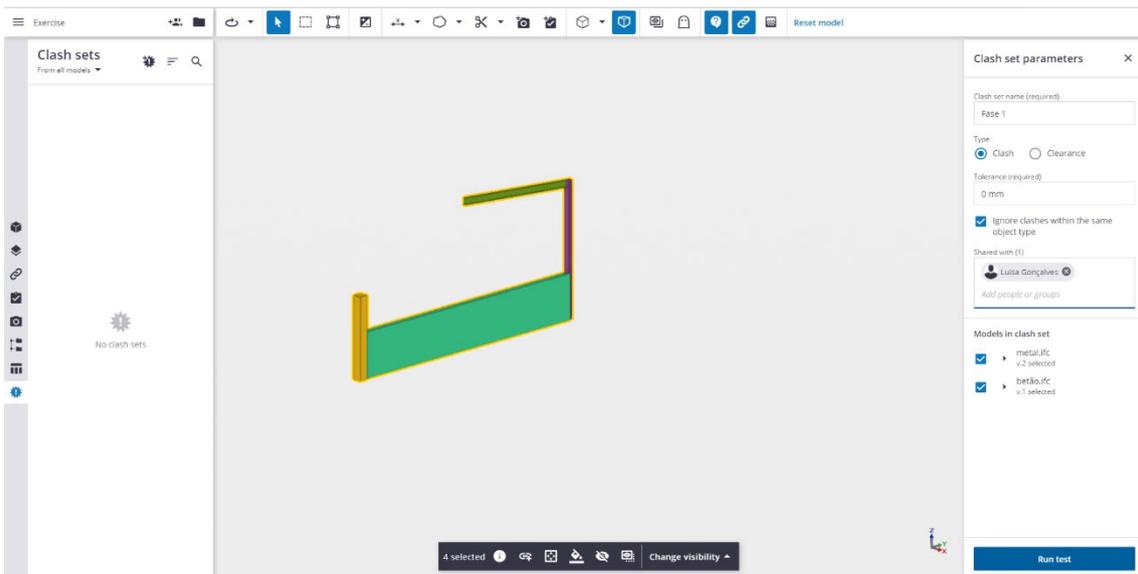
Select the visible models with the selection tool (**ctrl+Single selection mode** or ).

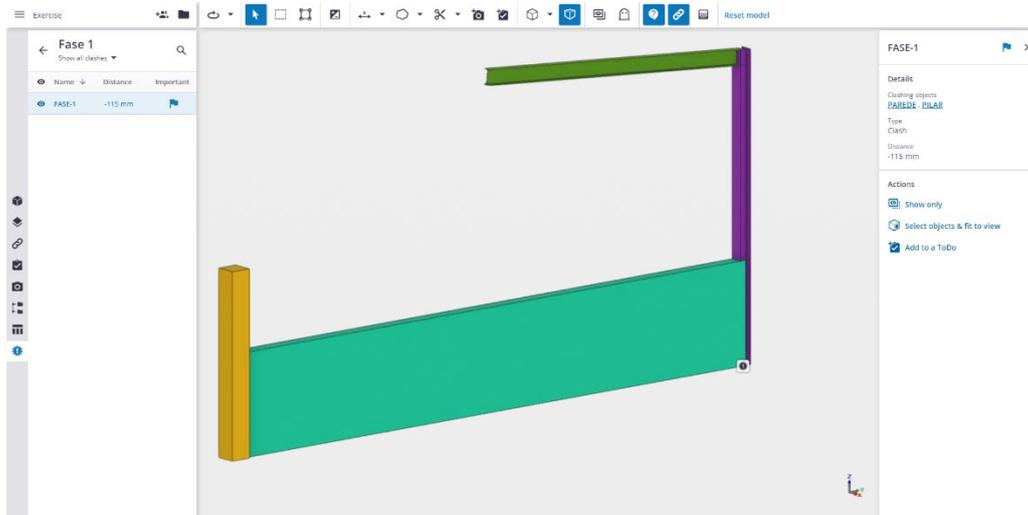


Click on the **Clash Set tool** located in the left side menu and then on **Add clash set**.



Fill in the parameters in the box menu that appears on the right. This allows you to choose the team members who will receive the information. At the end click on **Run test**.





You can add a task in **Add to a ToDo** to be received by the team that could resolve the nonconformity.

FASE-1
✖

Details

Clashing objects
[PILAR](#) , [PAREDE](#)

Type
Clash

Distance
-115 mm

Actions

- Show only
- Select objects & fit to view
- Add to a ToDo**

New ToDo
✖

Title (required)

Description (required)

Due date

Priority
 Normal

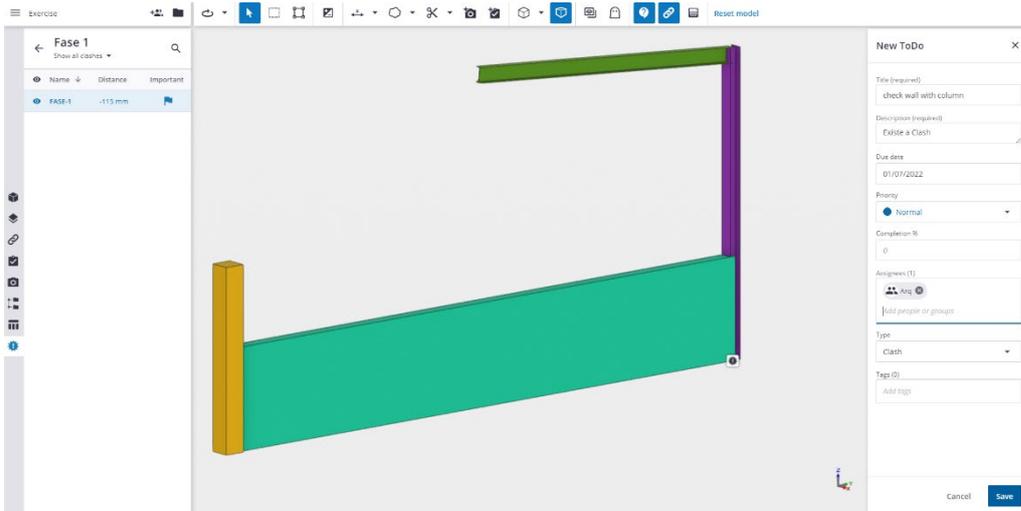
Completion %

Assignees (1)

Arq

Type

Tags (0)



Quick tip: If there is an eventual failure in the positioning of the different models, it is possible to reposition them within Trimble Connect through Model Positional

