HOW TO MERGE 2 MODELS IN ONE?

You have 2 Archimate models: Model_A is the target structure. Model_B is the source structure

1.BACK-UP MODELS
First, save MODEL_A and MODEL_B:

- Export the models into XML files. This is a back-up in case something gets wrong:
    o Best solution: File>>Export>>Model to open exchange file.
- Keep safe the XML or ARCHIMATE files created: never update these versions.

2. Merge ELEMENTS – PROPERTIES - RELATIONS
First, export CSV data from MODEL_B (source) and import it to MODEL_A (target)

Export all elements, properties and relations from Model_B (source) and import it into Model_A (target)

- **Export from Model_B (source)**
    o Export CSV data: File >> Export >> CSV format. With latin language, do not forget to select UTF8 format
    o Open the CSV files with NOTEPAD or NOTEPAD++ and change all Archi extract format inadequacies such as ="" or """;
        ▪ ="" changed to "
        ▪ """; changed to ";
        ▪ If you are really lucky, you may find more. You have to do that with the 3 CSV files: Elements, Properties and Relations
- **Import to Model_A (target)**
    o Import CSV data: File >> Import >> CSV format
    o To get all accents on letters, you need to import a UTF8 text file.

3. Merge VIEWS
Now, import views from Model_B (source) to Model_A (target)

- Export Model_A and Model_B into XML format:
    o File >> Export >> Model to open exchange file
    o Be careful, do not overwrite the initial XML back-up : create new XML files.
- Export views from MODEL_B to MODEL_A :
    o Use NOTEPAD or NOTEPAD++
    o Open Model_B (source) XML file
    o Search the XML tag <diagrams> and copy until you get the end tag </diagrams>. Do not copy the tags itself, just the data between the tags
    o Open Model_A (target) XML file
        ▪ Search the XML tag <diagrams> and paste the XML lines below the tag
        ▪ At the top of the XML file, change the model name (you will understand later why …)

- Save and close the Model_A (target) XML file
- Create an empty model and importthe updated Model_A XML file
    - File>>New>>Empty model
    - File >>Import>> Model from open exchange file

NB n°1: Archi will create a new model with all data and views from Model_A and Model_B. Do not worry for that

NB n°2: With this method, you do not merge the folder views. To do it, you need to copy and paste <Organization> tag data. Personally, I just have manually (re) created the folders and push views in it.

3. Move the new model to GITLAB

- If MODEL_A is not created yet as a project in GITLAB: create the project and then commit and publish MODEL_A.
- If MODEL_A is already created as a project in GITLAB, you need to replace it:
    - Copy the full file name and close the initial Model_A used
    - Open the new target model created with data from the initial MODEL_A and MODEL_B created:
        - Overwrite the new updated model on the intial Model_A file
        - Commit and publish changes to GITLAB