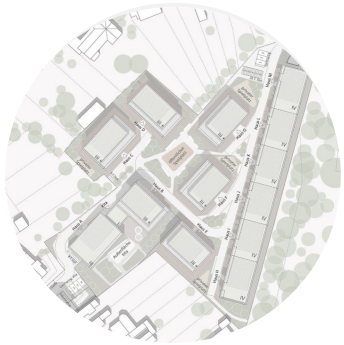


BIM-Overall Coordination

161 Wohnungen LER



161 flats + Kindergarden in Kölln

2023, LP2-3 Open BIM project
For &MICA ARC: Archicad + BIM Collab (Solibri from LP3)
Client Bauwens STR: Allplan + BIM Collab
MEP: Trimble + BIM Collab

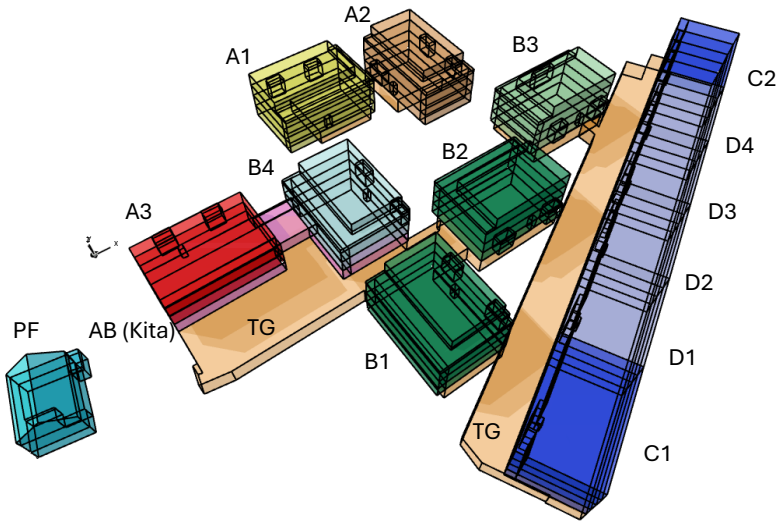
Role: BIM Overall Coordinator

First BIM Project of the office &MICA

- AIA / BAP Verhandlung
- lay grounds for extensive semantic
- school the team for BIM workflow
- develope python app for improving Archicad



LER BGF 25000 / BRI 83000



App for managing Attributes across multiple Archicad files

Archicad internally uses indexes for all attributes (layers, composites, hatches, line types, etc). Archicad works well on 1 file, but managing multi-file projects becomes challenging at best, when not impossible. Upon hotlinking (referencing other files) attributes tend to duplicate at the first available index. This makes a sharing of favorites, common set of printing rules through graphic overrides, or anything actually, impossible.

For managing this large BIM project with over 10 files I developed an **app for attribute management**.

Modules + Attribute file:

- Repeated floors
- Repeated facades

Save and commit
Update hotlinks
Save and commit

- Nested modules for
  - Balconies
  - Stairs,
  - Other parts

Save and commit
Update hotlinks
Save and commit

Buildings:

A1
A2
A3-B4
B1
B2
B3
C-D
PF
TG

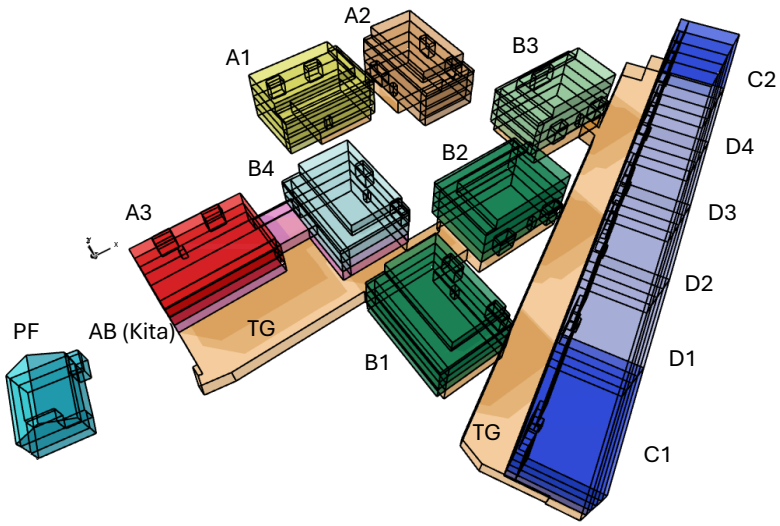
Save and commit
Update hotlinks
Save and commit

Master

Attribute mismatches in devastating amount
~~Huge time needed every time to find them~~

Develope an App:

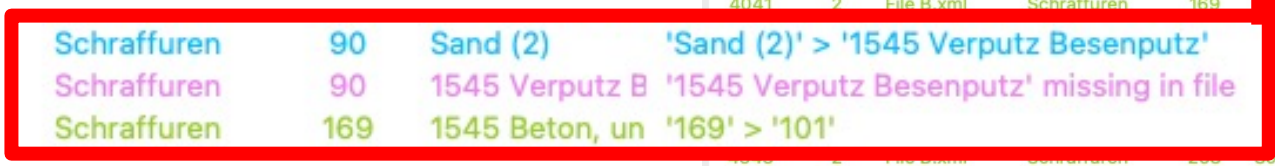
[CBM-Attribute Manager]

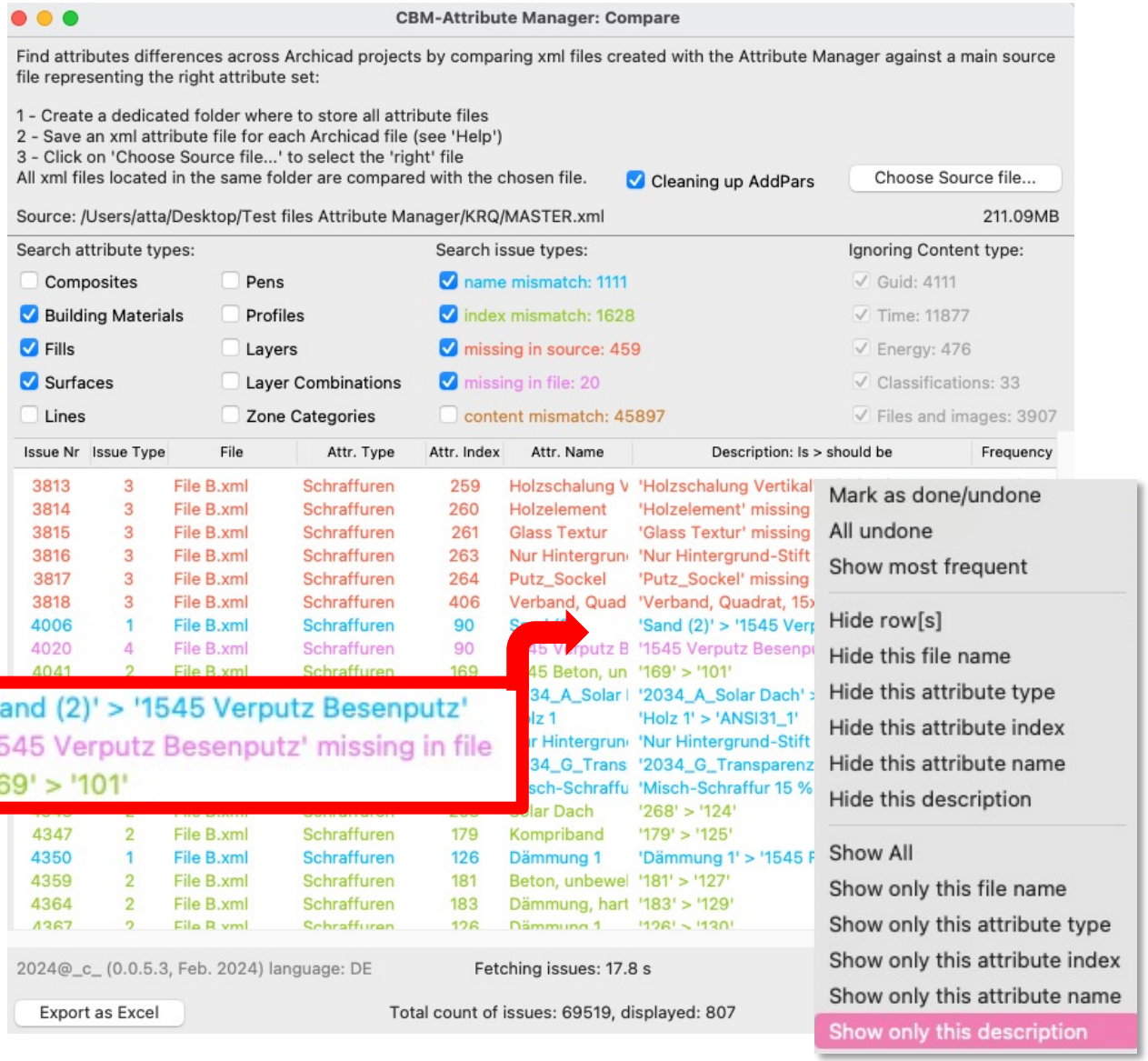


App for managing Attributes across multiple Archicad files

Find out the problems automatically:
Is > Should be

- Filter subsets
- Show results color-coded
- Use contextual menu on selected rows





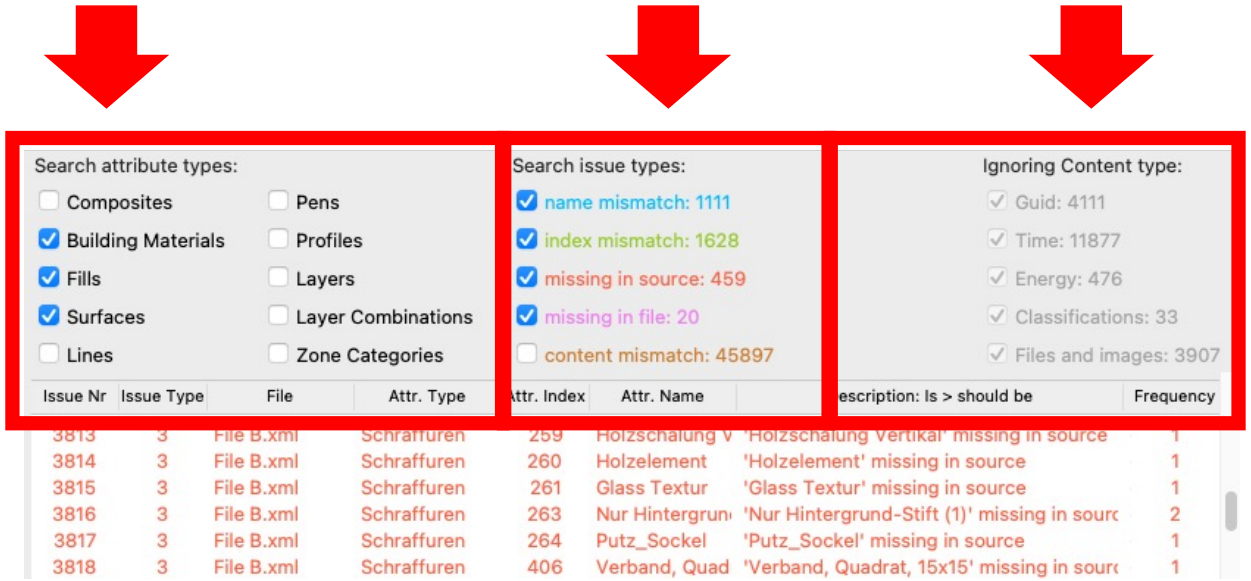
App for managing Attributes across multiple Archicad files

CBM-Attribute Manager-Compare:
Python App to find all attribute mismatches in seconds and export instructions for the BIM-Coordinators as Excel file

Attribute Types
- Layers
- Materials
- Fills
- Surfaces
- Lines, etc

Issue Types
- Index mismatch
- Name mismatch
- Missing in source
- Missing in file
- Content mismatch

Ignoring Types
- GUID
- Time stamps
- Energy data
- Classifications
- Images, etc



App for managing Attributes across multiple Archicad files

Export issues as **Excel** “ToDo list“ for the team to fix

