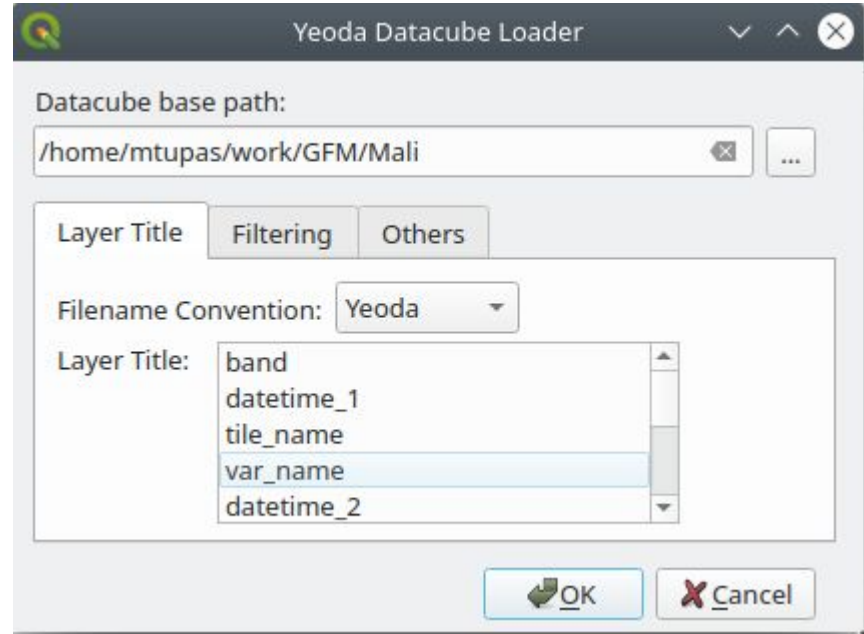


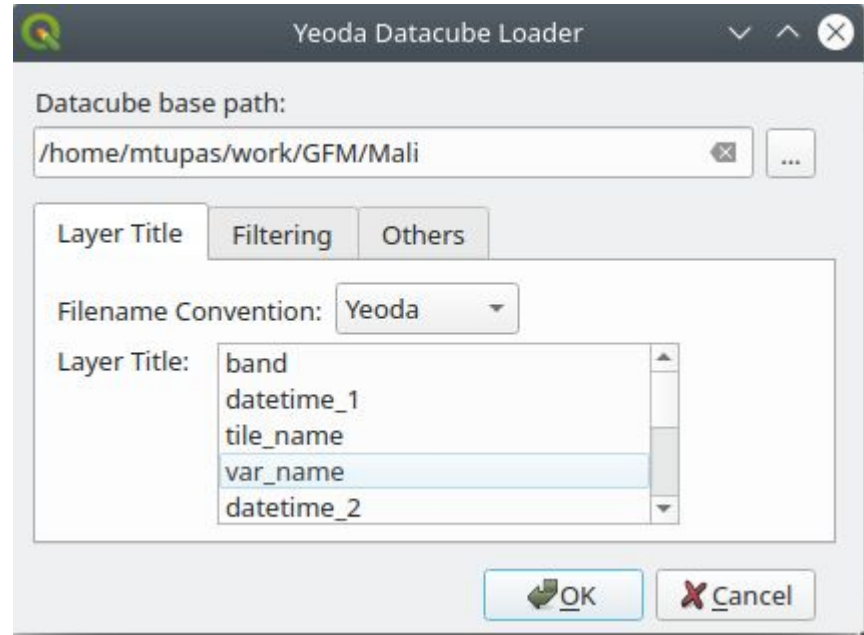
QGIS Data Loader

<https://github.com/marxt/Yeoda-DC-Loader>

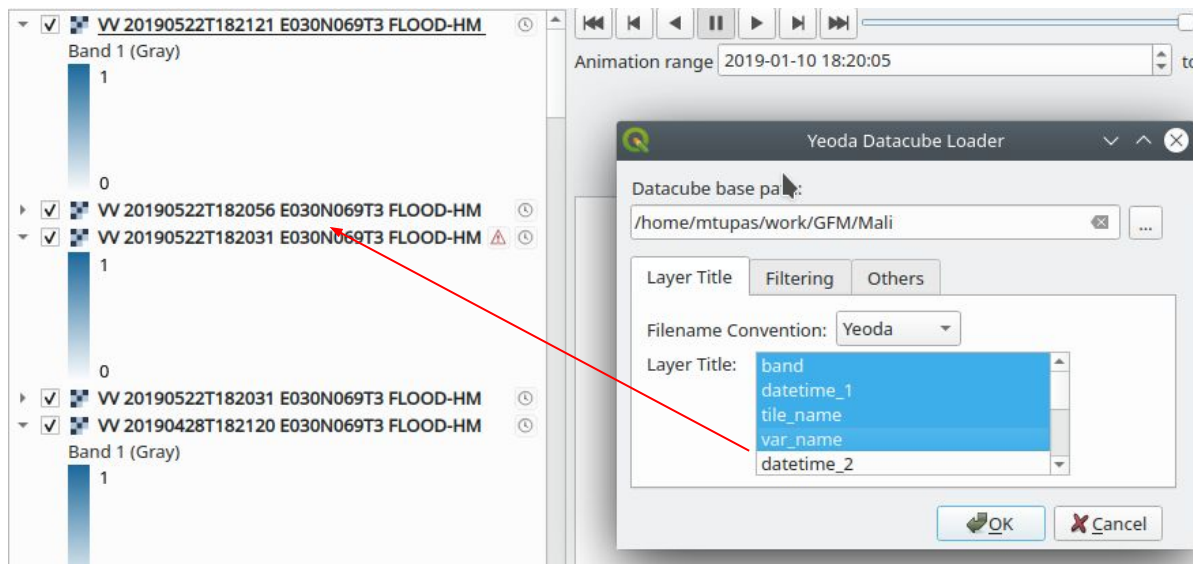
- Viewing large number of individually timestamped raster files spatio-temporally is tedious to setup manually in QGIS.
- Specially loading the data, turning them off and on based on time being viewed.
- Using temporal controller QGIS ver > 3.14 helps but manual setting of temporal parameters is a pain.



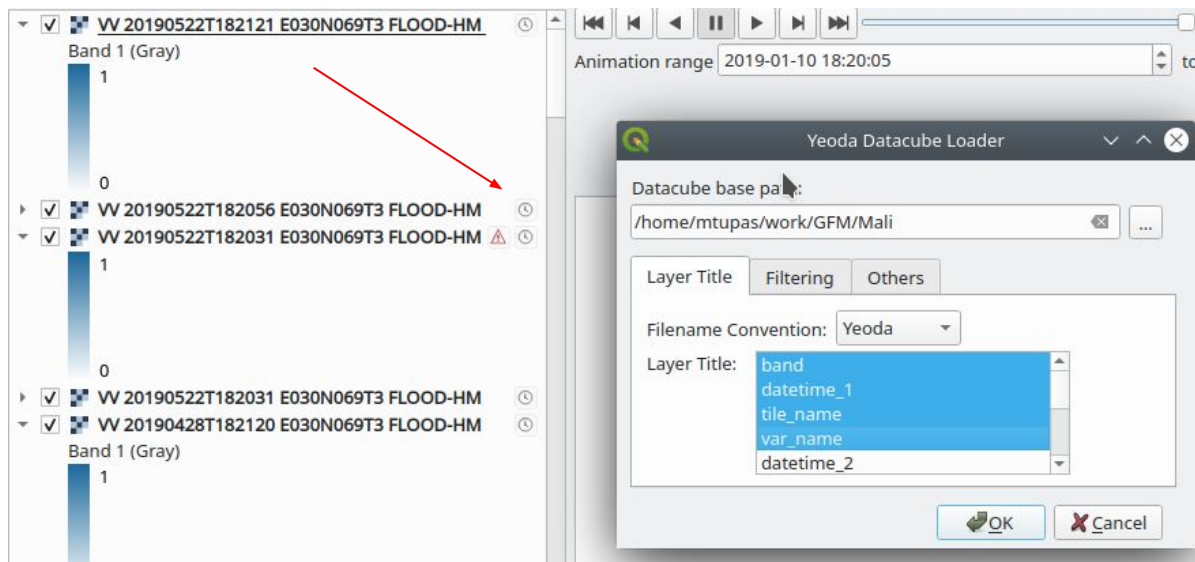
- Intention was to use Yeoda functionality for filtering then load data on QGIS.
 - However, installing Yeoda dynamically has issues.
- Currently uses geopathfinder to get files in directory and read filenames based on naming convention
- Comparable to 'Load them all' plugin that sets temporal parameters and temporal filters.

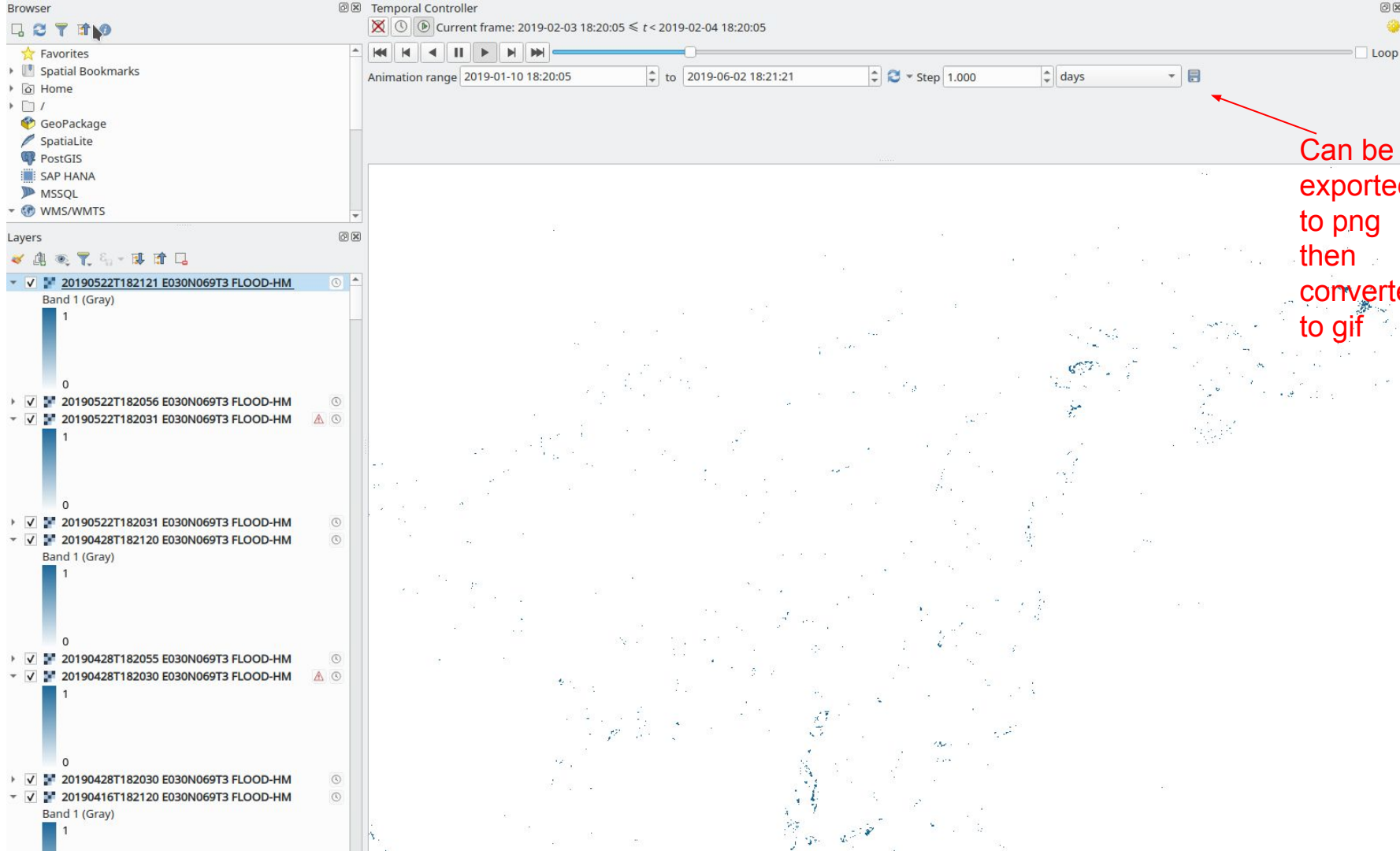


- Loaded layers could be named based on the filename fields selected, order could be set as well. No selection places original file names.



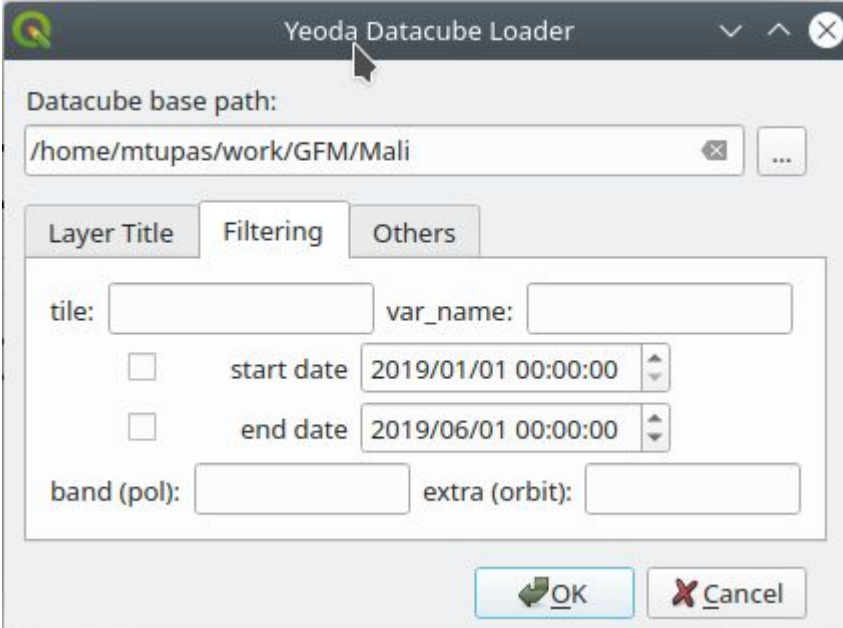
- Temporal parameters are set based on datetime field. Could be used for automated viewing.





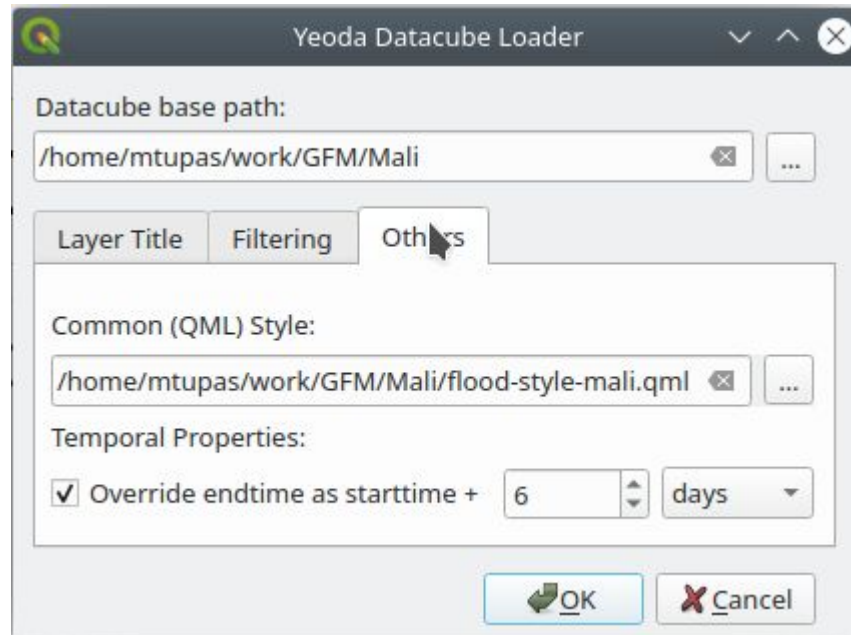
Sample exports created as GIF *easier to view*

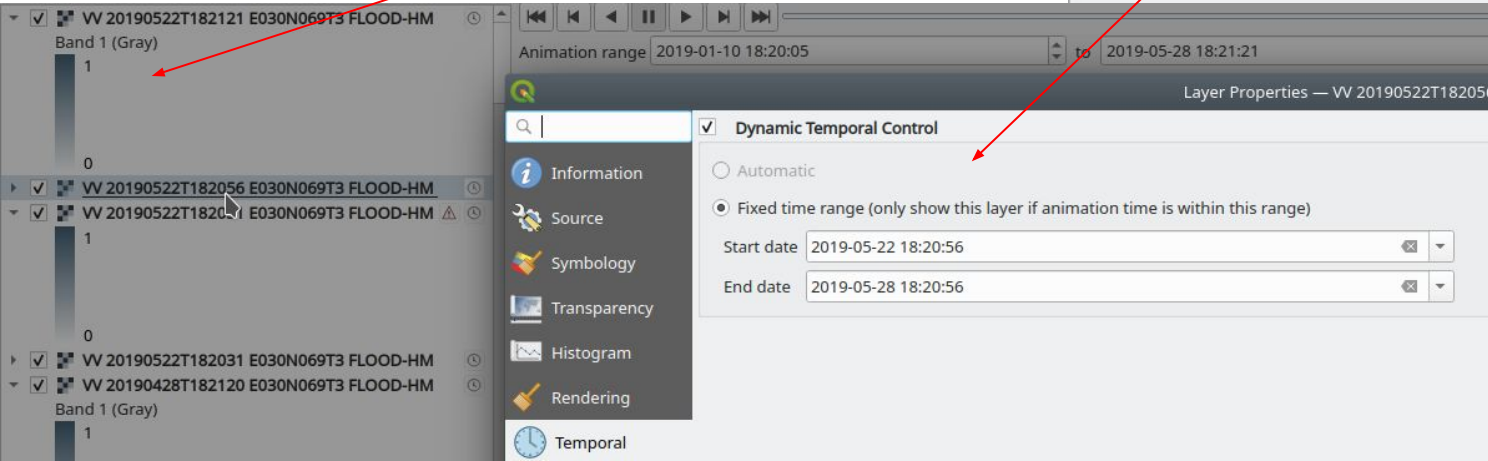
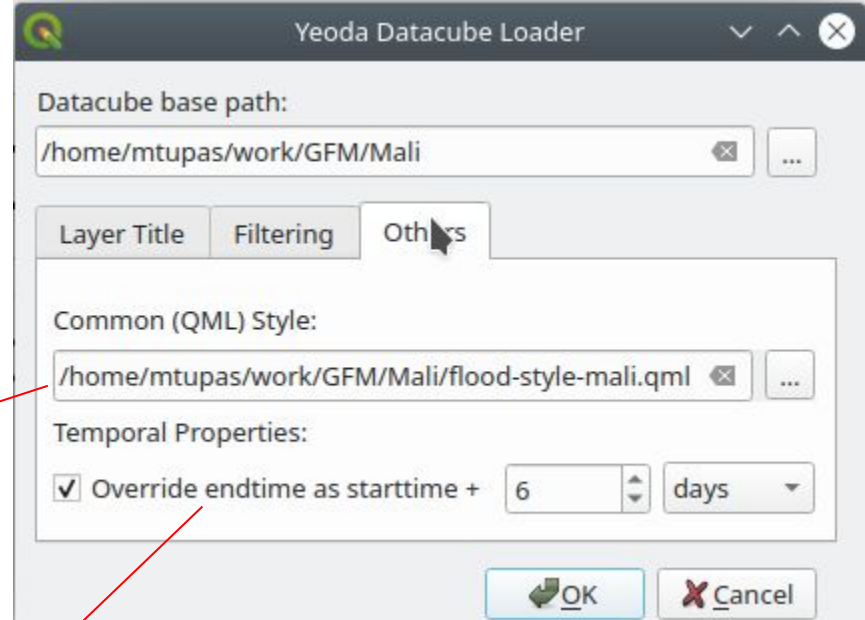
- Limited Filter work
 - Slow, since manual filters but comparable to 'Load them all'
 - AND operation only (at the moment)
 - Single pass only hence filter values are not automatically populated
 - Here Yeoda is missed :(



The screenshot shows a window titled "Yeoda Datacube Loader" with a standard Linux-style title bar (minimize, maximize, close buttons). The window contains a "Datacube base path:" label followed by a text input field containing the path "/home/mtupas/work/GFM/Mali". To the right of the path field are a small icon with an 'x' and a three-dot menu icon. Below the path field are three tabs: "Layer Title", "Filtering" (which is selected), and "Others". The "Filtering" tab contains several input fields: "tile:" followed by an empty text box, "var_name:" followed by an empty text box, a checkbox followed by "start date" and a date/time picker set to "2019/01/01 00:00:00", another checkbox followed by "end date" and a date/time picker set to "2019/06/01 00:00:00", "band (pol):" followed by an empty text box, and "extra (orbit):" followed by an empty text box. At the bottom right of the window are two buttons: "OK" with a green checkmark icon and "Cancel" with a red 'x' icon.

- Other options include:
 - Ability to apply common style to loaded layers
 - Override end datetime of temporal parameter





Issues

- Experimental, only tested on yeoda file naming. Hence the plugin name, should be renamed if to be developed further.
- Some naming conventions are hardcoded (for now)
 - e.g. filter fields matching `dtime_1` vs `datetime_1`.
- geopathfinder needs to be installed - automatically installed in plugin subfolder, but path setting is not ideal at the moment.
- Text filtering could be applied, in file name search to improve speed. But temporal filters can only be done prior to layer being loaded.
- In general GUI elements and code not clean, most stuff are hardcoded (but hey, they work, for now).
 - combo boxes versus line edits.
- Not tested in Windows (yet, any volunteers?).