Delft-FEWS 2021.02 New Features Webinar - Q & A Sheet (13.04.2022)

Nr	Question	Answer	link to more info
1	For the temporary import: What preparations have to be done in the configuration? Does there have to be parameters, locations, idmapping?	No, the supported formats (PI.XML and NetCDF) are selfdescribing. This means that temporary locations, temporary parameters will be derived from the content of the file(s). So no configuration is needed.	https://publicwiki.deltares.nl/display/FEWSDOC/02+FEWS+Explorer#id-02FEWSExplorer-File-Temporaryimport
2	Does auto-calibration only available for the latest simulation? If it is also applicable for past simulation, will it also effect the warm state of that simulation?	Currently auto calibration always works with the latest simulation. So the final iteration of auto calibartion will be the latest simualtion when auto calibration is finished, so it will also affect the warm state of that simulation.	https://publicwiki.deltares.nl/display/FEWSDOC/Auto+Calibration
3	Does the temporary import also accomodate netcdf with ensemble member?	This depends on how your netcdf is structured. If you have a separate variable for each ensemble member, than it would work. Then you will see in the database viewer a different parameter for each ensemble member reflecting the netcdf variable names. So it will be different from how FEWS typically handles ensembles.	
4	Are there any other models which could already use auto-calibration model (besides SAC-SMA)?	Yes. Currently, if a model uses module parameter files (via location attributes or via separate module parameter files per location) then modifiers can be used for that and then auto calibration can be used.	https://publicwiki.deltares.nl/display/FEWSDOC/Auto+Calibration
5	Is it possible to calibrate one parameter differently for e.g. different catchments?	If the parameter is split for the different catchments in FEWS then yes, it can then be selected seperately. Even though the name of the parameter is the same it can be considered individually per catchment. In practice this means that the same parameter must either have a different attribute value for each catchment (location) or each catchment must have its own module parameter file.	https://publicwiki.deltares.nl/display/FEWSDOC/Auto+Calibration
6	Is it possible to modify state variable using auto-calibration?	Yes, that is technically possible, if there is a technical connection between that state variable and FEWS, currently this has to be via a module parameter file.	https://publicwiki.deltares.nl/display/FEWSDOC/Auto+Calibration
7	When grid reference gets imported, will it affect the model run? Because unlike before the data is actually not in the module folder rather in a different place.	The grid references are considered as a read-only source data. Everything you do with it (e.g. in a workflow, pre-processing for model runs etc) will results in new timeseries with a new parameterID which will be written to the Delft-FEWS database (unless defined as temporary data, of course).	https://publicwiki.deltares.nl/display/FEWSDOC/02+FEWS+Explorer#id-02FEWSExplorer-File-Temporaryimport