# Delft-FEWS 2022.02 New Features Webinar - Q & A Sheet (09.03.2023)

| Nr | Question (rephrased, if necessary) | Answer | link to more info |
|---|---|---|---|
| 1 | Generally speaking, do you have plans to provide some kind of visual interface to manage all the configuration files (maybe with some check integration) or do we expect to continue to edit all the xml files by hand? | No, as explained in the recording (52:05 - 54:30) there are no concrete plans on our short development plans. To add to that, with so many configuration options within Delft-FEWS, a visual application showing your configuration might be very similar to existing products and XML editors like XML-SPY.<br><br>References to workflow navigator and templating approach are provedid in the next column. | https://publicwiki.deltares.nl/display/FEWSDOC/Workflow+Navigator |
| 2 | Currently you only export flood extent by exporting a shapefile. It could be interesting to add an option where you export flood depth intervals as polygons (so you still export a single shapefile, but with one polygon for flood depth 0-10cm, one polygon for flood depth 10-20 cm, etc. > with flood depth intervals in the attribute table). | Thanks for the suggestion but this is already possible by transforming the output timeseries (grids) to polygons using the <polygonValue> elements in the Grid to Polygons transformation. This element basically reflects your choice of classbreaks. After this transformation an export of a timestep of your choice from this polygon timeseries to and ESRI shape file can be done using the Grid to ESRI Shapefile export module. | https://publicwiki.deltares.nl/display/FEWSDOC/Grid+to+Polygons<br>https://publicwiki.deltares.nl/display/FEWSDOC/Grid+to+ESRI+Shapefile+Export |
| 3 | Regarding the particle tracking demonstration: I suppose the model adapter needs to be able to support that? | The below mentioned answer is valid for Delft3D-PART. For scalar input, where only a single (X,Y) coordinate is required, you can use tagging in your model input file and FEWS <exportCustomFormatRunFileActivity> in the General Adapter. The tagging are specified equal to the property "keys" specified in SpatialDisplay.xml. Set between $$ signs, for example $X$, $Y$, $number_particle$, etc. The <exportCustomFormatRunFileActivity> of the General Adapter will replace all those tags in the model input file with all the properties you specify in the dialog box in the Spatial Display when running the workflow, including the (X,Y) coordinate of the initial location of the particle. When using an area/polygon for specifying initial release location, FEWS exports the polygon as a shape file. If your model doesn't support shape file, then a FEWS model adapter is required. For the particle tracking software Delft3D-PART, this adapter is available, which converts the shape file to the required polygon file format.<br><br>For other models which require geographical information as described in the above, the model adapter should be able to interpret the output coming from this dialog. That may require some development at the model adapter side. | https://publicwiki.deltares.nl/display/FEWSDOC/01+Grid+Display#id-01GridDisplay-workflow |
| 4 | Is there any use for the embedded webservice in an operational setting (so not only for testing)? | In the operational context the official webservice (war file to be deployed in tomcat) is meant to be used. This feature would be great for testing before using the official webservice in an operational context, but it is not advised to use the webservice from the operator client or stand alone in an operational context, although it sounds tempting to avoid server installs etc. If you connect the webservice to the central database there's a guarantee that every 'external client' connected is working with the same data. With connecting to an SA you are (far) more vulnerable with respect to security, load, back-ups etc.<br><br>A specific use-case in which an internal, local application interacts with an Operator Client's webservice to generate (local) modifiers before the user commits them for running a 'server run' with these modifiers might be possible.<br><br>As long as 'external' or 'public' applications we strongly recommend to deploy a tomcat server and install the Delft-FEWS web service on it. | |
| 5 | Is Delft-FEWS already capatible with geoJSON files? | Since 2021.02 geoJSON (as documentFormat) is supported in the REST web services response in the Get/locations request.<br><br>Since 2022.01 geoJSON files are supported as layers in the GeoMap and can be used to define locationSets (and use metadata/attributes from the geoJSON file).<br><br>No existing requests/ideas for developments to export to GeoJSON (like shapefile functionality). Suggestions are always welcome! | https://fewsdocs.deltares.nl/webservices/rest-api/v1/#get-/locations<br><br>https://publicwiki.deltares.nl/display/FEWSDOC/28+GeoMap#id-28GeoMap-geoJSonLayer<br><br>https://publicwiki.deltares.nl/display/FEWSDOC/22+Locations+and+attributes+defined+in+CSV+files%2C+Shape-DBF+files+or+external+tables#id-22LocationsandattributesdefinedinCSVfiles,ShapeDBFfilesorexternaltables-locationSetsfromgeoJSONfile |