

Deltares

Deltares Open Archive NoSQL

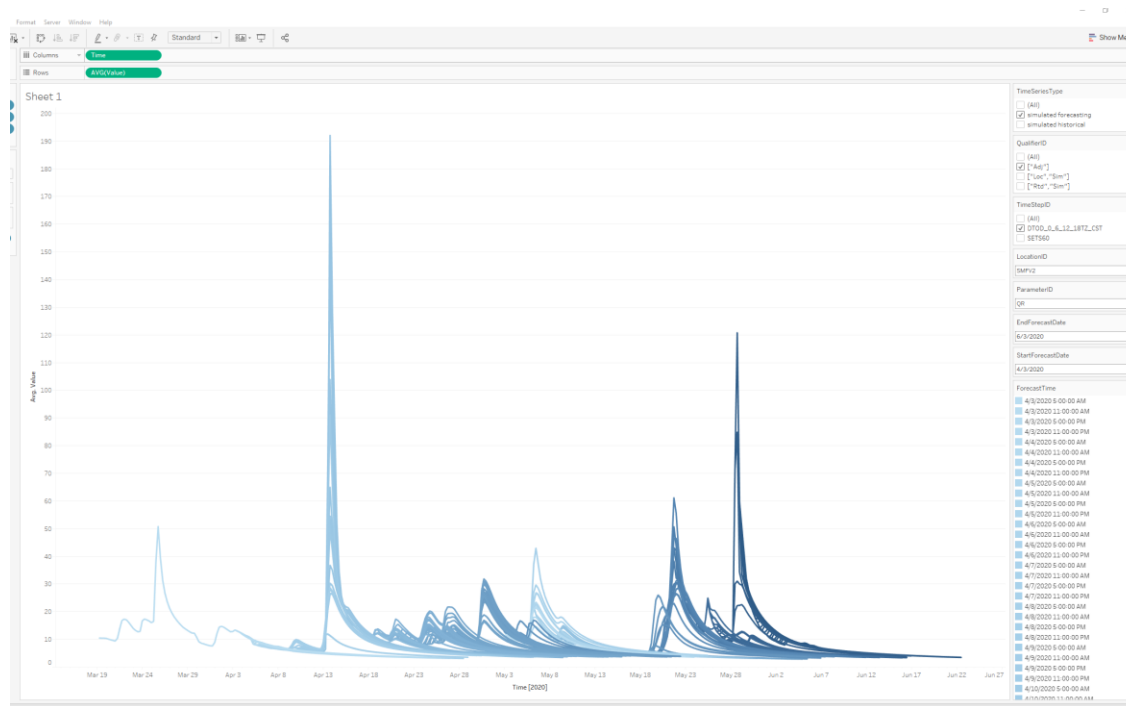
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Leveraging NoSQL for FEWS Archive

- Pilot completed at TVA
- Entire TVA archive converted to mongoDB

A screenshot of the MongoDB Compass interface. The top bar shows the database name "FEWS_ARCHIVE" and a collection "ObservedScalarTimeseries". A query is entered in the search bar: `db.getCollection('ObservedScalarTimeseries').find({'parameterId':'QT','locationId':'HADT1','timeStepMinutes':60,'startTime':{'$gte':ISODate('2018-10-01')}})`. The results pane shows a list of 6 objects. The first object is expanded, showing a key-value table with fields like _id, moduleInstanceId, locationId, parameterId, qualifierIds, qualifier, timeStepId, timeStepMinutes, ensembleId, ensembleMemberId, timeSeriesType, sourceId, metaData, timeseries, startTime, and endTime.

Integration MongoDB Deltares Open Archive

How to integrate MongoDB into the Deltares Open Archive?

