



How to	Archive of data
Description	Step by step guide to archiving of all data in ROWS
Comments	The <i>italic</i> phrases correspond to the red markings in the screenshots. Please be aware that the screenshots may deviate slightly from the application
version	2018-02

Description of the archiving of data. Tagging of data as events is described in a separate document.

Non-simulated data: The workflow Export_ToArchive runs several modules, archiving all non-simulated data (both RiverOps and FloodOps). This task is scheduled to run daily automatically but can be forced from the OC as well.

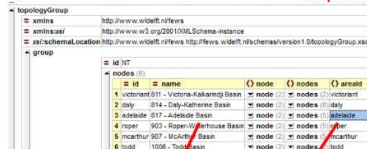
Simulated data: Archive tasks are coupled to the official model workflows. The different models are exported to different subfolders, each containing the files Runinfo.xml and metaData.xml, as well as the folder /timeseries / with the simulated data. This has been implemented for:

- URBS
- RTC-Tools
- MDBC OPS
- ..
- ..

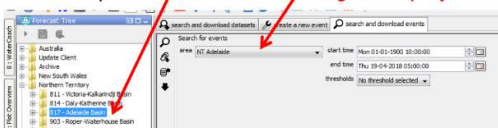
Snapshot: The workflow Export_ToArchive_Snapshot archives a copy of the current localDataStore to the archive. This task has to be run manual, and with care.

- Two typical configurable archive elements are **Areas** and **Sources**

- Areas are used in the folder name of the Archive folders
- Areas can also be used in the **Topology** as filter



- For example in the **Archive Catalogue Display**



Areald

- mdba - all data uses this areald

Sourceld

- RiverOps / FloodOps
- ACCESSR/ ACCESSG/ ADFD/ PME

- Create a layout of your archive folders:

- Data folder is root of archive data (**data**)
- Archive stores the data in yearly folders (**2015**)
- Archive stores the data in monthly folders (**01**)
- User configuration of **areas** (**adelaide**)
- Archive stores the data in daily folders (**01**)
- Archive stores the data in data types (**observed**)

- Make sure to separate observed data in **areas**.
 - Areas are normally basins or countries
 - Areas can also be seen as data sources

- Decide when to archive data from the operational database

- **Sources** can be used to subdivide archived series

- If you have NWP forecasts archived, it is good to split this data **type** (external forecasts) in multiple **sources**
 - ECMWF
 - HIRLAM
 - GFS
- A **source** is an additional configuration option when you archive a certain dataset (which can be used for narrowing your query to the archive)
- When downloading NWP data from the Archive, the source can be selected to prevent downloading files that are not needed