

Overzicht check op compleetheid NWM-archief

Bestaande exports naar archief in NWM release 2.2.4.1:

- ZW_LHMLExportArchive_\$scenario\$Z0
- ZW_LSMLTExportArchive_\$scenario\$Z0
- ZW_NDBExportArchive_\$scenario\$
- ZW_LHMLExportArchive_\$scenario\$
- ZW_LSMLTExportArchive_\$scenario\$
- ZW_LTMLTExportArchive_\$scenario\$
- ZW_NDBpostExportArchive_\$scenario\$
- ZW_LHMLExportArchive_GxGverschil_\$scenario\$

In onderstaande tabel is weergegeven

- welke data momenteel wordt geëxporteerd naar het archief (A),
- welke taken data genereert die in de Centrale Database worden opgeslagen (B),
- welke data geëxporteerd wordt vanuit de Centrale Database naar betreffend model (modelinvoer) om het model te kunnen draaien (C),
- welke data hiervan al aanwezig is in het NWM-archief (D),
- en welke data nog niet aanwezig is in het NWM-archief en dus nog moet worden gearchiveerd (E).

Op basis van dit overzicht is de NWM configuratie aangepast en is onderstaande export toegevoegd om tot een compleet NWM-archief te komen:

- ZW_LSMLTExportArchive_WABES_\$scenario\$

Alle configuratiewijzigingen zijn vastgelegd in de NWM-repository (https://repos.deltares.nl/repos/Rekenfaciliteit_Deltamodel/tags/NWM-v2.2.4.2) onder met SVN revisie nr 3636.

Model	(A) huidige export naar archief (in rood draait niet meer mee in BP sommen) (in paars draait wel mee in BP sommen, maar bevat missings)	(B) overzicht van taken van de model workflows aangegeven is welke taken modeluitvoer importeren in de NWM-database (in rood draait niet meer mee in BP18 sommen)	(C) modelinvoer geëxporteerd vanuit FEWS naar betreffend model	(D) data beschreven in kolom C al <u>aanwezig</u> in NWM-archief	(E) data nog <u>niet aanwezig</u> in NWM-archief (in blauw moet nog worden gearchiveerd) (in oranje kan snel gedraaid worden vanuit lege database d.m.v. import en/of deel v/d workflow)
LHM	ZW_LHMLExportArchive.xml:				<ul style="list-style-type: none"> • STATES <ul style="list-style-type: none"> ◦ alle • TIMESERIES <ul style="list-style-type: none"> ◦ Uit LHM

- DM:
 - ZW_LHM_DM_LevelPoints_\$\$suffix\$\$salt\$.nc
 - ZW_LHM_DM_Knoppen_Variabelpeil_\$\$suffix\$\$salt\$.nc
 - ZW_LHM_DM_Districten_\$\$suffix\$\$salt\$.nc
 - ZW_LHM_DM_Knoppen_Balans_\$\$suffix\$\$salt\$.nc
 - ZW_LHM_DM_KnoopBalansRegions_\$\$suffix\$\$salt\$.nc
 - ZW_LHM_DM_FlowPoints_\$\$suffix\$\$salt\$.nc
 - ZW_LHM_DM_KnoopDistrict_\$\$suffix\$\$salt\$.nc
- Mozart:
 - ZW_LHM_MozartRegio5_\$\$suffix\$\$salt\$.nc
 - ZW_LHM_MozartRegio17_\$\$suffix\$\$salt\$.nc
 - ZW_LHM_MozartDistrict_\$\$suffix\$\$salt\$.nc
- Modflow (grids):
 - ZW_LHM_grids_Modflow_\$\$suffix\$\$salt\$.nc
 - ZW_LHM_grids_Agricom_\$\$suffix\$\$salt\$.nc
 - ZW_LHM_grids_Metaswap_\$\$suffix\$\$salt\$.nc
- Postprocessing (Watervraag, -tekort en -levering)
 - ZW_LHM_WaterleveringRegio5_\$\$suffix\$\$salt\$.nc
 - ZW_LHM_WaterleveringRegio17_\$\$suffix\$\$salt\$.nc

- Preprocessing of genereert geen data
 - ZW_ImportMeteo_OPENDAP
 - ZW_ImportMeteo_Check
 - ZW_LHMResamplingKNMIOPeNDAP
 - ZW_LHMPreprocessing
 - ZW_LHMRun
 - ZW_LHMPostprocessingStates
 - ZW_LHMPostprocessing
- STATES
 - ZW_LHMImportStateDm
 - ZW_LHMImportStateMetaswap1
 - ZW_LHMImportStateMetaswap2
 - ZW_LHMImportStateModflow
 - ZW_LHMImportStateMozart
- TIMESERIES
 - ZW_LHMKaartbeeldenMfMsAgricomDemnat
 - ZW_LSMLateralenImport
 - ZW_LHMImportMozart
 - ZW_LHMImportDM
 - ZW_LHMVergelijkMaatregel
 - ZW_LHMBerekenWaterlevering

- salthis.xml
 - <moduleInstancelId>ZW_NDBSobek_\$\$bc_\$\$ndb\$</moduleInstancelId>
 - <parameterId>Chloride</parameterId>
 - <locationSetId>ChloridePoints</locationSetId>
- mapstackEvap.xml
 - <moduleInstancelId>ZW_LHMResamplingKNMIOPeNDAP_\$\$suffix\$\$salt\$</moduleInstancelId>
 - <parameterId>E.m</parameterId>
 - <locationId>MF-MS_km</locationId>
- mapstackPrec.xml
 - <moduleInstancelId>ZW_LHMResamplingKNMIOPeNDAP_\$\$suffix\$\$salt\$</moduleInstancelId>
 - <parameterId>P.m</parameterId>
 - <locationId>MF-MS_km</locationId>

- ZW_LHMKaartbeeldenMfMsAgricomDemnat
- ZW_LHMImpportMozart
- ZW_LHMImpportDM
 - alles behalve:
 - <parameterId>ZW_DMNetto_neerslag</parameterId>
 - <locationSetId>DMKnope_n_Balans_v30</locationSetId>
- ZW_LHMBerekenWaterlevering

- ZW_LSMLateralenImport**
 - <moduleInstancelId>ZW_LSMLateralenImport_\$\$suffix\$\$salt\$</moduleInstancelId>
 - <parameterId>Q.m</parameterId>
 - <locationSetId>Q_laterale_n_LSM</locationSetId>
- ZW_LHMImpportDM**
 - <parameterId>ZW_DMNetto_neerslag</parameterId>
 - <locationSetId>DMKnope_n_Balans_v30</locationSetId>
- ZW_LHMVergelijkMaatregel**
 - <moduleInstancelId>ZW_LHMVergelijkMaatregel_\$\$suffix\$\$salt\$</moduleInstancelId>
 - <parameterId>GLG</parameterId>
 - <qualifierId>verschil_REF2017BP18</qualifierId>
 - <moduleInstancelId>ZW_LHMVergelijkMaatregel_\$\$suffix\$\$salt\$</moduleInstancelId>
 - <parameterId>GLG</parameterId>
 - <qualifierId>verschil_BaseCase</qualifierId>
 - <moduleInstancelId>ZW_LHMVergelijkMaatregel_\$\$suffix\$\$salt\$</moduleInstancelId>
 - <parameterId>GHG</parameterId>
 - <qualifierId>verschil_REF2017BP18</qualifierId>
 - <moduleInstancelId>ZW_LHMVergelijkMaatregel_\$\$suffix\$\$salt\$</moduleInstancelId>
 - <parameterId>GHG</parameterId>
 - <qualifierId>verschil_BaseCase</qualifierId>

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LSMLT	<ul style="list-style-type: none"> ZW_LSMLTExportArchive.xml <ul style="list-style-type: none"> ZW_LSMLT_WL_IJsselmeer_\$\$suffix\$\$salt\$.nc <ul style="list-style-type: none"> <moduleInstancelId>ZW_LSMLTShift_\$\$suffix\$\$salt\$</moduleInstancelId><parameterId>WL.berekend</parameterId><locationSetId>SOB_EK_IJsselmeer</locationSetId> ZW_LSMLT_WL_Markermeer_\$\$suffix\$\$salt\$.nc <ul style="list-style-type: none"> <moduleInstancelId>ZW_LSMLTShift_\$\$suffix\$\$salt\$</moduleInstancelId><parameterId>WL.berekend</parameterId><locationSetId>SOB_EK_Markermeer</locationSetId> 	<ul style="list-style-type: none"> Preprocessing of genereert geen data <ul style="list-style-type: none"> ZW_ImportMeteo_OPENDAP ZW_ImportMeteo_Check ZW_LSMMMeteoGridToPolygons ZW_LSMMakkinkToOpenWaterEvap ZW_LSMBoundariesImport ZW_ImportTides ZW_LSMLTProduce_Bc ZW_LSMLT_RunLengthEstimator ZW_LSMLTSobek <ul style="list-style-type: none"> reachflw.his.mapstacks.xml <ul style="list-style-type: none"> <moduleInstancelId>ZW_LSMLTSobek_\$\$suffix\$\$salt\$</moduleInstancelId><parameterId>dis_out</parameterId><locationId>LSM_reachflw</locationId> <moduleInstancelId>ZW_LSMLTSobek_\$\$suffix\$\$salt\$</moduleInstancelId><parameterId>dis_in</parameterId><locationId>LSM_reachflw</locationId> 	<ul style="list-style-type: none"> Rainfall.xml <ul style="list-style-type: none"> <moduleInstancelId>ZW_LSMMMeteoGridToPolygons_\$\$suffix\$\$salt\$</moduleInstancelId><parameterId>P.im</parameterId><locationSetId>PREC_LSM</locationSetId> <moduleInstancelId>ZW_LSMMakkinkToOpenWaterEvap_\$\$suffix\$\$salt\$</moduleInstancelId><parameterId>E.water</parameterId><locationSetId>EVAP_LSM</locationSetId> H_boundaries.xml <ul style="list-style-type: none"> <moduleInstancelId>ZW_ImportTides</moduleInstancelId><parameterId>H.m</parameterId><locationSetId>H_boundaries_LSM</locationSetId> Q_boundaries.xml <ul style="list-style-type: none"> <moduleInstancelId>ZW_LSMBoundariesImport_\$\$suffix\$\$salt\$</moduleInstancelId><parameterId>Q.uh</parameterId><locationSetId>Q_boundaries_LSM</locationSetId> Q_lateralen_boundaries_import.xml <ul style="list-style-type: none"> <moduleInstancelId>ZW_LSMBoundariesImport_\$\$suffix\$\$salt\$</moduleInstancelId><parameterId>Q.uh</parameterId><locationSetId>Q_lateralen_boundary_import_LSM</locationSetId> 	<ul style="list-style-type: none"> ZW_LSMLT_WL_Markermeer_\$\$suffix\$\$salt\$.nc ZW_LSMLT_WL_Markermeer_\$\$suffix\$\$salt\$.nc 	<ul style="list-style-type: none"> STATES <ul style="list-style-type: none"> alle TIMESERIES <ul style="list-style-type: none"> Uit LSMLT <ul style="list-style-type: none"> <moduleInstancelId>ZW_LSMLTShift_\$\$suffix\$\$salt\$</moduleInstancelId><parameterId>WL.berekend</parameterId><locationSetId>LSMLT_locaties_Waterhoogte</locationSetId> <moduleInstancelId>ZW_LSMLTShift_\$\$suffix\$\$salt\$</moduleInstancelId><parameterId>WL.berekend</parameterId><qualifierId>up</qualifierId><locationSetId>LSMLT_locaties_Waterhoogte_UpDown</locationSetId> <moduleInstancelId>ZW_LSMLTShift_\$\$suffix\$\$salt\$</moduleInstancelId><parameterId>WL.berekend</parameterId><qualifierId>down</qualifierId><locationSetId>LSMLT_locaties_Waterhoogte_UpDown</locationSetId> <moduleInstancelId>ZW_LSMLTShift_\$\$suffix\$\$salt\$</moduleInstancelId><parameterId>Q.berekend</parameterId><locationSetId>LSMLT_locaties_Debiet</locationSetId>

- ZW_WABES_LSMLT_\$\$suffix\$\$salt\$.nc
 - <moduleInstanceId>ZW_LSMLTShift_\$\$suffix\$\$salt\$</moduleInstanceId><parameterId>WL.berekend</parameterId><locationSetId>Wabes_locaties_export_WL</locationSetId>
 - <moduleInstanceId>ZW_LSMLTShift_\$\$suffix\$\$salt\$</moduleInstanceId><parameterId>WL.berekend</parameterId><qualifierId>up</qualifierId><locationSetId>Wabes_locaties_export_WL_structure</locationSetId>
 - <moduleInstanceId>ZW_LSMLTShift_\$\$suffix\$\$salt\$</moduleInstanceId><parameterId>Q.berekend</parameterId><locationSetId>Wabes_locaties_export_Q</locationSetId>
- ZW_LSMExportArchive.xml
 - ZW_LSM_WL_IJsselmeer_\$\$suffix\$.nc
 - ZW_LSM_WL_Markermeer_\$\$suffix\$.nc
 - ZW_LSM_Q_V_\$\$suffix\$.nc
 - ZW_LSM_WL_WD_\$\$suffix\$.nc

- reachvol.his.mapstacks.xml
 - <moduleInstanceId>ZW_LSMLTSobek_\$\$suffix\$\$salt\$</moduleInstanceId><parameterId>chez y</parameterId><locationId>LSM_reachvoldim</locationId>
 - <moduleInstanceId>ZW_LSMLTSobek_\$\$suffix\$\$salt\$</moduleInstanceId><parameterId>initvolrch</parameterId><locationId>LSM_reachvoldim</locationId>
 - <moduleInstanceId>ZW_LSMLTSobek_\$\$suffix\$\$salt\$</moduleInstanceId><parameterId>surfrch</parameterId><locationId>LSM_reachvoldim</locationId>
 - <moduleInstanceId>ZW_LSMLTSobek_\$\$suffix\$\$salt\$</moduleInstanceId><parameterId>velocity</parameterId><locationId>LSM_reachvoldim</locationId>
 - <moduleInstanceId>ZW_LSMLTSobek_\$\$suffix\$\$salt\$</moduleInstanceId><parameterId>width</parameterId><locationId>LSM_reachvoldim</locationId>

- Q_lateral.xml
 - <moduleInstanceId>ZW_LSMLateralenImport_\$\$suffix\$\$salt\$</moduleInstanceId><parameterId>Q.m</parameterId><locationSetId>Q_lateralen_LSM</locationSetId>
- Controls.xml
 - <moduleInstanceId>ZW_LSMLTProduce_Bc_\$\$suffix\$\$salt\$</moduleInstanceId><parameterId>Q.control</parameterId><locationSetId>LSMLT_locaties_controls</locationSetId>
- const_lateral.xml
 - <moduleInstanceId>ZW_LSMLTProduce_Bc_\$\$suffix\$\$salt\$</moduleInstanceId><parameterId>Q.uh</parameterId><locationSetId>LSMLT_locaties_all_const_lateral</locationSetId>

- <moduleInstanceId>ZW_LSMLTShift_\$\$suffix\$\$salt\$</moduleInstanceId><parameterId>WD.berekend</parameterId><locationSetId>LSMLT_locaties_Waterdiepte</locationSetId>
- <moduleInstanceId>ZW_LSMLTShift_\$\$suffix\$\$salt\$</moduleInstanceId><parameterId>V.berekend</parameterId><locationSetId>LSMLT_locaties_Stroomsnelheid</locationSetId>
- reachflw.his.mapstacks.xml
- reachvol.his.mapstacks.xml
- nodesvol.his.mapstacks.xml
- qlat_strip.his.mapstacks.xml
- Uit imports toFSS of OpenDAP
 - Rainfall.xml
 - H_boundaries.xml
 - Q_boundaries.xml
 - Q_lateralen_boundaries_import.xml
 - Controls.xml
 - const_lateral.xml
- Uit ander model (LHM)
 - Q_lateralen.xml, zie bovenstaande rij (LHM workflow)

- ZW_LSMLTBivasExportArchive.xml
 - ZW_LSMLT_Export_BIVAS_WL_Vaardiepte_\$\$suffix\$\$salt\$.nc
 - ZW_LSMLT_Export_BIVAS_Q_V_\$\$suffix\$\$salt\$.nc
- ZW_LSMLTVONKExportArchive.xml
 - ZW_LSMLT_VONK_Kunstwerken_\$\$suffix\$\$salt\$.nc
 - ZW_LSMLT_VONK_Peils_Locs_\$\$suffix\$\$salt\$.nc

- nodesvol.his.mapstacks.xml
 - <moduleInstanceId>ZW_LSMLTSobek_\$\$suffix\$\$salt\$</moduleInstanceId>
 - <parameterId>initvolnod</parameterId>
 - <locationId>LSM_nodesvol</locationId>
 - <moduleInstanceId>ZW_LSMLTSobek_\$\$suffix\$\$salt\$</moduleInstanceId>
 - <parameterId>surfnod</parameterId>
 - <locationId>LSM_nodesvol</locationId>
- qlat_strip.his.mapstacks.xml
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 - <locationId>LSM_qlat</locationId>
 - <moduleInstanceId>ZW_LSMLTSobek_\$\$suffix\$\$salt\$</moduleInstanceId>
 - <parameterId>deflat</parameterId>
 - <locationId>LSM_qlat</locationId>
 - <moduleInstanceId>ZW_LSMLTSobek_\$\$suffix\$\$salt\$</moduleInstanceId>
 - <parameterId>diflat</parameterId>
 - <locationId>LSM_qlat</locationId>

- ZW_LSMLTShift

- <moduleInstanceId>ZW_LSM
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- <moduleInstanceId>ZW_LSM
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- <moduleInstanceId>ZW_LSM
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- <moduleInstanceId>ZW_LSM
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<qualifierId>up</qualifierId>
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- <moduleInstanceId>ZW_LSM
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<qualifierId>down</qualifierId>
<locationSetId>**LSMLT_locales_Waterhoogte_UpDown**</locationSetId>
- <moduleInstanceId>ZW_LSM
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NDB		<ul style="list-style-type: none"> • Preprocessing of genereert geen data <ul style="list-style-type: none"> ◦ ZW_ImportTides ◦ ZW_NDB(post)ChlorideBC ◦ ZW_NDB(post)Laterals ◦ ZW_NDB(post)Resample • ZW_NDB(post)Sobek <ul style="list-style-type: none"> ◦ salthis.xml <ul style="list-style-type: none"> ▪ <moduleInstancelId>ZW_NDBSobek_\$\$suffix\$< /moduleInstancelId> <parameterId>Chloride< /parameterId> <locationSetId>Chloride Points</locationSetId> ▪ <moduleInstancelId>ZW_NDBSobek_\$\$suffix\$< /moduleInstancelId> <parameterId>Chloride< /parameterId> <locationSetId>ZW_NDB_WABES< /locationSetId> 	<ul style="list-style-type: none"> • export_pi.xml <ul style="list-style-type: none"> ◦ <moduleInstancelId>ZW_NDBResample_\$\$suffix\$< /moduleInstancelId> <parameterId>H.m< /parameterId> <locationId>LSM_RND_Maasm ond</locationId> <locationId>LSM_RND_Haring vliet-10</locationId> <ul style="list-style-type: none"> ▪ afkomstig uit IMPORT: <ul style="list-style-type: none"> • <moduleInstancelId>ZW_ImportTides< /moduleInstancelId> <parameterId>H.m< /parameterId> ◦ <moduleInstancelId>ZW_NDBResample_\$\$suffix\$< /moduleInstancelId> <parameterId>H.m< /parameterId> <qualifierId>shift</qualifierId> <locationId>LSM_RND_Haring vliet-10</locationId> <ul style="list-style-type: none"> ▪ afkomstig uit IMPORT: <ul style="list-style-type: none"> • <moduleInstancelId>ZW_ImportTides< /moduleInstancelId> <parameterId>H.m< /parameterId> 	<ul style="list-style-type: none"> • ZW_Chloride_\$\$suffix\$\$salt\$.nc • ZW_WABES_Chloride_\$\$suffix\$\$salt\$.nc • ZW_ChloridePost_\$\$suffix\$\$salt\$.nc • ZW_WABES_ChloridePost_\$\$suffix\$\$salt\$.nc 	<ul style="list-style-type: none"> • STATES <ul style="list-style-type: none"> ◦ alle • TIMESERIES <ul style="list-style-type: none"> ◦ Uit imports toFSS of OpenDAP <ul style="list-style-type: none"> ▪ export_pi.xml <ul style="list-style-type: none"> • <moduleInstancelId>ZW_ImportTides< /moduleInstancelId> <parameterId>H.m< /parameterId> • <moduleInstancelId>ZW_LSMBoundariesImport_\$\$suffix\$Z0< /moduleInstancelId> <parameterId>Q.uh< /parameterId>

- ZW_NDBExportArchive.xml
 - ZW_Chloride_\$\$suffix\$\$salt\$.nc
 - <moduleInstancelId>ZW_NDBSobek_\$\$suffix\$</moduleInstancelId><parameterId>Chloride</parameterId><locationSetId>ChloridePoints</locationSetId>
 - ZW_WABES_Chloride_\$\$suffix\$\$salt\$.nc
 - <moduleInstancelId>ZW_NDBSobek_\$\$suffix\$</moduleInstancelId><parameterId>Chloride</parameterId><locationSetId>ZW_NDB_WABES</locationSetId>
- ZW_NDBpostExportArchive.xml
 - idem (ZW_ChloridePost_\$\$suffix\$\$salt\$.nc, ZW_WABES_ChloridePost_\$\$suffix\$\$salt\$.nc)

- <moduleInstancelId>ZW_NDBResample_\$\$suffix\$</moduleInstancelId><parameterId>Q.berekend</parameterId><locationSetId>ZW_NDBBoundaries</locationSetId>
 - afkomstig uit LSMLT:
 - <moduleInstancelId>ZW_LSMLTShift_\$\$suffix\$Z0</moduleInstancelId><parameterId>Q.berekend</parameterId><locationSetId>ZW_NDBBoundaries</locationSetId>
- <moduleInstancelId>ZW_NDBResample_\$\$suffix\$</moduleInstancelId><parameterId>Q.uls</parameterId><locationSetId>ZW_NDBLaterals</locationSetId>
 - afkomstig uit LHM:
 - <moduleInstancelId>ZW_LHMImportDM_\$\$suffix\$Z0</moduleInstancelId><parameterId>ZW_DMTakdebiet</parameterId><parameterId>ZW_DMDIW_lozingen</parameterId><parameterId>ZW_DMDIW_onttrekkingen</parameterId><parameterId>ZW_DMNetto_neerslag</parameterId><parameterId>ZW_DMDistrictslozingen</parameterId><parameterId>ZW_DMDistrictsonttrekkingen</parameterId>

- Uit ander model (LHM)
 - <moduleInstancelId>ZW_NDBResample_\$\$suffix\$</moduleInstancelId><parameterId>Q.uls</parameterId><locationSetId>ZW_NDBLaterals</locationSetId>
 - bron:
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LTMLT		<ul style="list-style-type: none"> • timeseries.xml 	<ul style="list-style-type: none"> • ZW_LTMLT_<suffix\$.nc 	<ul style="list-style-type: none"> • STATES <ul style="list-style-type: none"> ◦ alle • TIMESERIES <ul style="list-style-type: none"> ◦ Uit LTMLT <ul style="list-style-type: none"> ▪ timeseries_delwaqLSMLT.xml / ZW_LTMLT_<suffix\$.nc <ul style="list-style-type: none"> • <moduleInstanceId>ZW_LTMLT_WAQ_<suffix\$</moduleInstanceId> <parameterId>Q.bereken</parameterId> <locationSetId>Zoetwater_temperatuur_locaties</locationSetId> ◦ Uit imports toFSS of OpenDAP of Preprocessing (<i>bakjesmodel</i>) <ul style="list-style-type: none"> ▪ timeseries.xml

- ZW_LTMLTExportArchive.xml
 - ZW_LTMLT_\$\$suffix\$.nc

```

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      /moduleInstancel>
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      oetwater_temperatu
      ur_locaties<
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      $suffix$<
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      oetwater_temperatu
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      /locationSetId>
      <moduleInstancel>ZW_LTMLT_WAQ_
      $suffix$<
      /moduleInstancel>
      <parameterId>WLC.sim<
      /parameterId>
      <locationSetId>Z
      oetwater_temperatu
      ur_locaties<
      /locationSetId>
    
```

Ook Q.sim is onderdeel van ZW_LTMLT_\$\$suffix\$.nc, maar als gevolg van een incorrecte parameternaam (IdMapping) bevat deze alleen maar missings:

- Preprocessing of genereert geen data
 - ZW_LTM_ImportWarmtelozingen
 - ZW_LTM_InterpoleerWarmtelozigen
 - ZW_LTM_Disaggregeer_Warmtelozingen
 - ZW_LTM_boundaries_import
 - ZW_LTM_Merge_Imports
 - ZW_LTM_Disaggregeer_TW_randen
 - ZW_LTM_ImportMeteo_OPE
 - NDAP
 - ZW_LTM_ImportMeteo_Check
 - ZW_LTM_InterpolateSpatialMeteo
 - ZW_LTM_Import_MeteoData_BP2018
 - ZW_LTM_VeranderingsVectoren_MeteoData_BP2018
 - ZW_LTM_Bereken_Dewpoint_Temperature_BP2018
 - ZW_LTM_Disaggregeer_MeteoData_BP2018
 - ZW_LTM_InterpolateMeteo
- ZW_LTMLT_SOW_WAQ
 - timeseries_delwaqbakjes.xml
 - <moduleInstancel>ZW_LTMLT_SOW_WAQ_\$\$suffix\$</moduleInstancel>
 - <parameterId>Continuity</parameterId>
 - <locationSetId>LTM_meteo_KNMI</locationSetId>
 - <moduleInstancel>ZW_LTMLT_SOW_WAQ_\$\$suffix\$</moduleInstancel>
 - <parameterId>TW.ud.nat</parameterId>
 - <locationSetId>LTM_meteo_KNMI</locationSetId>
- ZW_LTMLT_WAQ_Preprocessing

- afkomstig uit IMPORT:
 - <moduleInstancel>ZW_LTM_InterpolateMeteo_\$\$suffix\$</moduleInstancel>
 - <parameterId>U.speed</parameterId>
 - <locationSetId>LTM_meteo_KNMI</locationSetId>
 - <moduleInstancel>ZW_LTM_InterpolateMeteo_\$\$suffix\$</moduleInstancel>
 - <parameterId>CC.m</parameterId>
 - <locationSetId>LTM_meteo_KNMI</locationSetId>
 - <moduleInstancel>ZW_LTMLT_WAQ_Preprocessing_\$\$suffix\$</moduleInstancel>
 - <parameterId>TW.ud</parameterId>
 - <locationSetId>LTM_boundaries</locationSetId>
 - <moduleInstancel>ZW_LTMLT_WAQ_Preprocessing_\$\$suffix\$</moduleInstancel>
 - <parameterId>TW.ud.nat</parameterId>
 - <locationSetId>LTM_boundaries</locationSetId>
 - <moduleInstancel>ZW_LTMLT_WAQ_Preprocessing_\$\$suffix\$</moduleInstancel>
 - <parameterId>T.m.dew</parameterId>
 - <locationId>KNMI_6260</locationId>
 - <moduleInstancel>ZW_LTM_Disaggregeer_Warmtelozingen_\$\$suffix\$</moduleInstancel>
 - <parameterId>Warmtelozing</parameterId>
 - <locationSetId>Zoetwater_temperatuur_locaties_WLC</locationSetId>

- <moduleInstancel>ZW_LTM_InterpolateMeteo_\$\$suffix\$</moduleInstancel>
 - <parameterId>U.speed</parameterId>
 - <locationSetId>LTM_meteo_KNMI</locationSetId>
- <moduleInstancel>ZW_LTM_InterpolateMeteo_\$\$suffix\$</moduleInstancel>
 - <parameterId>CC.m</parameterId>
 - <locationSetId>LTM_meteo_KNMI</locationSetId>
- <moduleInstancel>ZW_LTMLT_WAQ_Preprocessing_\$\$suffix\$</moduleInstancel>
 - <parameterId>TW.ud</parameterId>
 - <locationSetId>LTM_boundaries</locationSetId>
- <moduleInstancel>ZW_LTMLT_WAQ_Preprocessing_\$\$suffix\$</moduleInstancel>
 - <parameterId>TW.ud.nat</parameterId>
 - <locationSetId>LTM_boundaries</locationSetId>
- <moduleInstancel>ZW_LTMLT_WAQ_Preprocessing_\$\$suffix\$</moduleInstancel>
 - <parameterId>T.m.dew</parameterId>
 - <locationId>KNMI_6260</locationId>
- <moduleInstancel>ZW_LTM_Disaggregeer_Warmtelozingen_\$\$suffix\$</moduleInstancel>
 - <parameterId>Warmtelozing</parameterId>
 - <locationSetId>Zoetwater_temperatuur_locaties_WLC</locationSetId>

- <moduleInstancel>ZW_LTM_InterpolateMeteo_\$\$suffix\$</moduleInstancel>
 - <parameterId>U.speed</parameterId>
 - <locationSetId>LTM_meteo_KNMI</locationSetId>
- <moduleInstancel>ZW_LTM_InterpolateMeteo_\$\$suffix\$</moduleInstancel>
 - <parameterId>CC.m</parameterId>
 - <locationSetId>LTM_meteo_KNMI</locationSetId>
- <moduleInstancel>ZW_LTMLT_WAQ_Preprocessing_\$\$suffix\$</moduleInstancel>
 - <parameterId>TW.ud.nat</parameterId>
 - <locationSetId>LTM_meteo_KNMI</locationSetId>
- <moduleInstancel>ZW_LTMLT_WAQ_Preprocessing_\$\$suffix\$</moduleInstancel>
 - <parameterId>TW.ud</parameterId>
 - <locationSetId>LTM_meteo_KNMI</locationSetId>
- <moduleInstancel>ZW_LTMLT_WAQ_Preprocessing_\$\$suffix\$</moduleInstancel>
 - <parameterId>TW.ud</parameterId>
 - <locationSetId>LTM_boundaries</locationSetId>

<ul style="list-style-type: none"> ▪ <code><moduleInstanceId>ZW_LTMLT_WAQ_\$\$suffix\$</moduleInstanceId><parameterId>Q.sim</parameterId><locationSetId>Zoetwater_temperatuur_locaties</locationSetId></code> 	<ul style="list-style-type: none"> • ZW_LTMLT_WAQ_BP2018 <ul style="list-style-type: none"> ◦ timeseries_delwaqLSMLT.xml <ul style="list-style-type: none"> ▪ <code><moduleInstanceId>ZW_LTMLT_WAQ_\$\$suffix\$</moduleInstanceId><parameterId>TW.sim</parameterId><locationSetId>Zoetwater_temperatuur_locaties</locationSetId></code> ▪ <code><moduleInstanceId>ZW_LTMLT_WAQ_\$\$suffix\$</moduleInstanceId><parameterId>TW.mod.sim</parameterId><locationSetId>Zoetwater_temperatuur_locaties</locationSetId></code> ▪ <code><moduleInstanceId>ZW_LTMLT_WAQ_\$\$suffix\$</moduleInstanceId><parameterId>WLC.sim</parameterId><locationSetId>Zoetwater_temperatuur_locaties</locationSetId></code> ▪ <code><moduleInstanceId>ZW_LTMLT_WAQ_\$\$suffix\$</moduleInstanceId><parameterId>Q.berekend</parameterId><locationSetId>Zoetwater_temperatuur_locaties</locationSetId></code> • ZW_LTMLT_WAQ_BP2016 	<ul style="list-style-type: none"> ◦ afkomstig uit bakjesmodel (SOW): <ul style="list-style-type: none"> ▪ <code><moduleInstanceId>ZW_LTMLT_WAQ_Preprocessing_\$\$suffix\$</moduleInstanceId><parameterId>TW.ud.nat</parameterId><locationSetId>LTM_meteo_KNMI</locationSetId></code> ▪ <code><moduleInstanceId>ZW_LTMLT_WAQ_Preprocessing_\$\$suffix\$</moduleInstanceId><parameterId>TW.ud</parameterId><locationSetId>LTM_meteo_KNMI</locationSetId></code> ▪ <code><moduleInstanceId>ZW_LTMLT_WAQ_Preprocessing_\$\$suffix\$</moduleInstanceId><parameterId>TW.ud</parameterId><locationId>Nederland</locationId></code> ▪ <code><moduleInstanceId>ZW_LTMLT_WAQ_Preprocessing_\$\$suffix\$</moduleInstanceId><parameterId>TW.ud.nat</parameterId><locationId>Nederland</locationId></code> ◦ afkomstig uit OpenDAP: <ul style="list-style-type: none"> ▪ AirTemp.MAP.mapstacks.xml RelHum.MAP.mapstacks.xml Radiation.MAP.mapstacks.xml 	<ul style="list-style-type: none"> ◦ <code><moduleInstanceId>ZW_LTMLT_WAQ_\$\$suffix\$</moduleInstanceId><parameterId>TW.ud.nat</parameterId><locationSetId>LTM_meteo_KNMI</locationSetId></code> 	<ul style="list-style-type: none"> • <code><moduleInstanceId>ZW_LTMLT_WAQ_Preprocessing_\$\$suffix\$</moduleInstanceId><parameterId>TW.ud.nat</parameterId><locationSetId>LTM_boundaries</locationSetId></code> • <code><moduleInstanceId>ZW_LTMLT_WAQ_Preprocessing_\$\$suffix\$</moduleInstanceId><parameterId>T.m.mod.dew</parameterId><locationId>KNMI_6260</locationId></code> • <code><moduleInstanceId>ZW_LTMLT_WAQ_Preprocessing_\$\$suffix\$</moduleInstanceId><parameterId>TW.ud</parameterId><locationId>Nederland</locationId></code> • <code><moduleInstanceId>ZW_LTMLT_WAQ_Preprocessing_\$\$suffix\$</moduleInstanceId><parameterId>TW.ud.nat</parameterId><locationId>Nederland</locationId></code> • <code><moduleInstanceId>ZW_LTM_Disaggregeer_Warmtelozingen_\$\$suffix\$</moduleInstanceId><parameterId>Warmtelozing</parameterId><locationSetId>Zoetwater_temperatuur_locaties_WLC</locationSetId></code> • AirTemp.MAP.mapstacks.xml RelHum.MAP.mapstacks.xml Radiation.MAP.mapstacks.xml
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			<ul style="list-style-type: none"> afkomstig uit LSMLT: <ul style="list-style-type: none"> mapstacks_reachflw_dis_in.xml (ook gebruikt voor bakjesmodel) mapstacks_reachflw_dis_out.xml mapstacks_reachvol_initvolrch.xml mapstacks_reachvol_surfrch.xml mapstacks_reachvol_chezy.xml mapstacks_reachvol_width.xml mapstacks_reachvol_velocity.xml mapstacks_nodesvol_initvolnod.xml mapstacks_nodesvol_surfnod.xml mapstacks_qlat_lat.xml mapstacks_qlat_deflat.xml mapstacks_qlat_diflat.xml 	<ul style="list-style-type: none"> <pre> <moduleInstance celd>ZW_LTM LT_WAQ_\$suffix\$< /moduleInstance <parameter id>WLC .sim< /parameter <location SetId>Zoe twater_ temper atuur_l ocaties < /location nSetId> </pre> 	<ul style="list-style-type: none"> Uit ander model (LSMLT) <ul style="list-style-type: none"> <pre> <moduleInstance celd>ZW_LSMLT Sobek_\$suffix\$< /moduleInstance • mapstacks_reachflw_dis_in.xml (ook gebruikt voor bakjesmodel) mapstacks_reachflw_dis_out.xml mapstacks_reachvol_initvolrch.xml mapstacks_reachvol_surfrch.xml mapstacks_reachvol_chezy.xml mapstacks_reachvol_width.xml mapstacks_reachvol_velocity.xml mapstacks_nodesvol_initvolnod.xml mapstacks_nodesvol_surfnod.xml mapstacks_qlat_lat.xml mapstacks_qlat_deflat.xml mapstacks_qlat_diflat.xml </pre>
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