

An aerial photograph of a river delta, likely the Rhine-Meuse delta, showing a complex network of channels and distributaries. A semi-transparent hydrological model is overlaid on the image, with blue lines representing the river network and green areas representing the catchment basin. The text 'HydroLogic' is written in a stylized font across the top right, with 'Hydro' in blue and 'Logic' in green.

HydroLogic

TKI HYDROLIB
Werkpakket 3: scripts
14-10-2021

Inhoud

- Nu aanwezig
- Wat we ontwikkelen
 - basis:
 - LDO
 - waterbalansen
 - optioneel



Nu aanwezig

- Post processing scripts
 - ‘FIAT’
 - *_fou.nc en *_clm.nc output → 2D rasters LDO
- dfm tools
 - uitlezen *.nc
 - heatmaps en grafieken
 - vergelijkbaar met quickplot



Wat we ontwikkelen - basis

- Geautomatiseerde, robuuste LDO input
 - hergebruik FIAT scripts
 - batch bewerkingen
- Uitsneden naar focusgebied en -tijd
 - automatiseren gdal/rastercalculator handelingen
- Evalueren waterbalans subgebieden
 - Uitvoer *_his.nc



Wat we ontwikkelen - optioneel

- Automatiseren fabricatie animaties
 - nu nog handmatig: via Crayfish in Qgis
 - matplotlib
 - ffmpeg



An aerial photograph of a river delta, likely the Rhine-Meuse delta, showing a complex network of waterways and green vegetation. A semi-transparent grey box is overlaid on the left side of the image, containing text. The word 'HydroLogic' is written in a stylized font across the top right, with 'Hydro' in blue and 'Logic' in green.

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