

WMS on curvilinear model grids

Serving time-dependent curvi-linear netCDF-CF model output as OGC WMS

- Some notes related to publishing time dependent model output as WMS:
 - <http://www.resc.rdg.ac.uk/trac/ncWMS/wiki/UserStories>
 - http://external.opengeospatial.org/twiki_public/MetOceanDWG/MetOceanWMSBPOngoingDrafts
 - <http://kofserver2.gkss.de:8080/ncWMS/godiva2.html?>

Real-size numerical model test files with WMS and time dependency (files will be removed at some point in future):

Model output	region/schematization	netCDF-CF conversion	lat-lon addition	WMS	download
Delft3D-FLOW NEFIS scientific data format	dummy test set from wadden sea in NWO-PACE project with NIOZ	OpenEarthTools vs_trim2nc	OpenEarthTools vs_trim2nc with conv ertCoordinates	THREDDS ncWMS	download
SIMONA SDS scientific data format	dummy test set of sea part of Rijn-Maasmond domain decomposition model from Rijkswaterstaat gebiedsschematisaties	getdata 2.105 (to be released 2014)	python pyproj	THREDDS ncWMS	download
FEWS	dummy test set NOAA wind	FEWS	FEWS	THREDDS ncWMS	—
KNMI radar	KNMI in-house	KNMI in-house	NL	ADAGUC server	not open data
todo	todo	FEWS	todo	todo	

[ncWMS publicatrn](#), [distribution](#), [source](#)

Viewing time-dependent curvi-linear WMS: Rijkswaterstaat webviewer

These model-generated output served as WMS works in standard web viewers that offer the 'external WMS' functionality, e.g. the [Rijkswaterstaat mapviewer](#). This viewer does not handle time and colorsclerange.

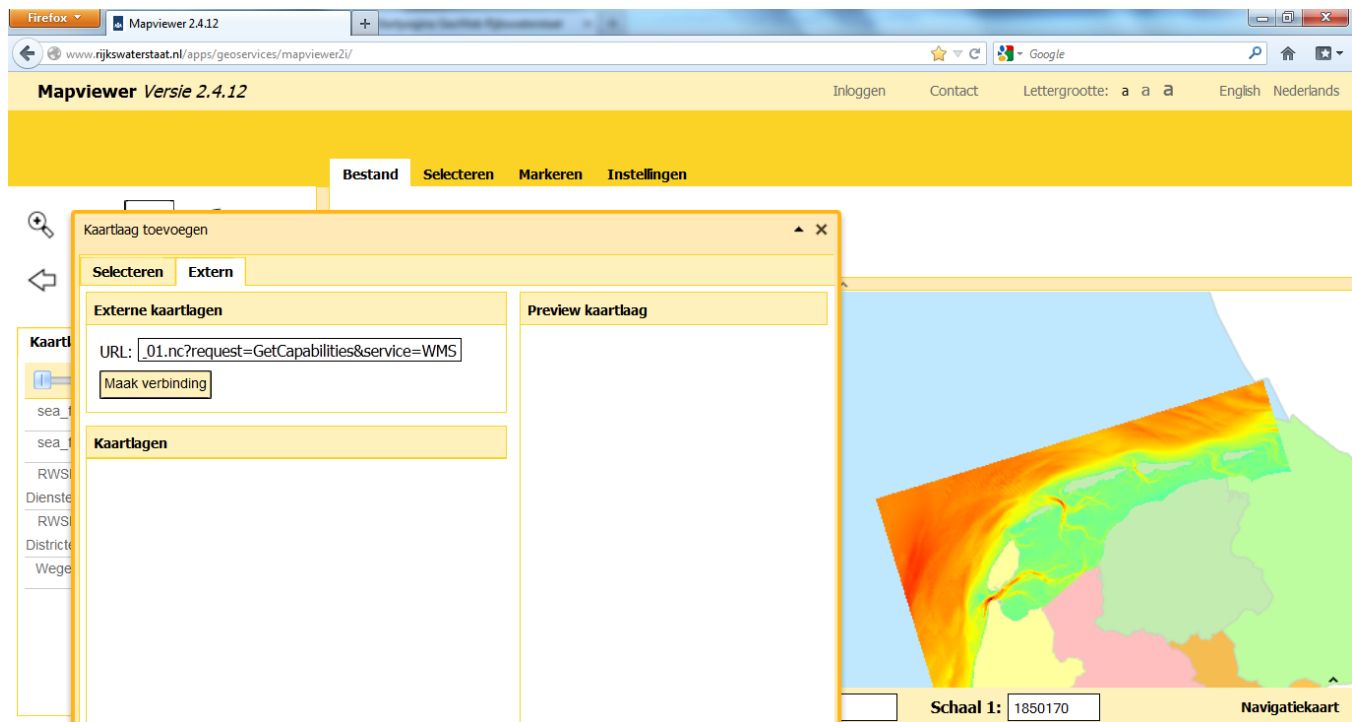


Figure Delft3D-FLOW NEFIS scientific data format

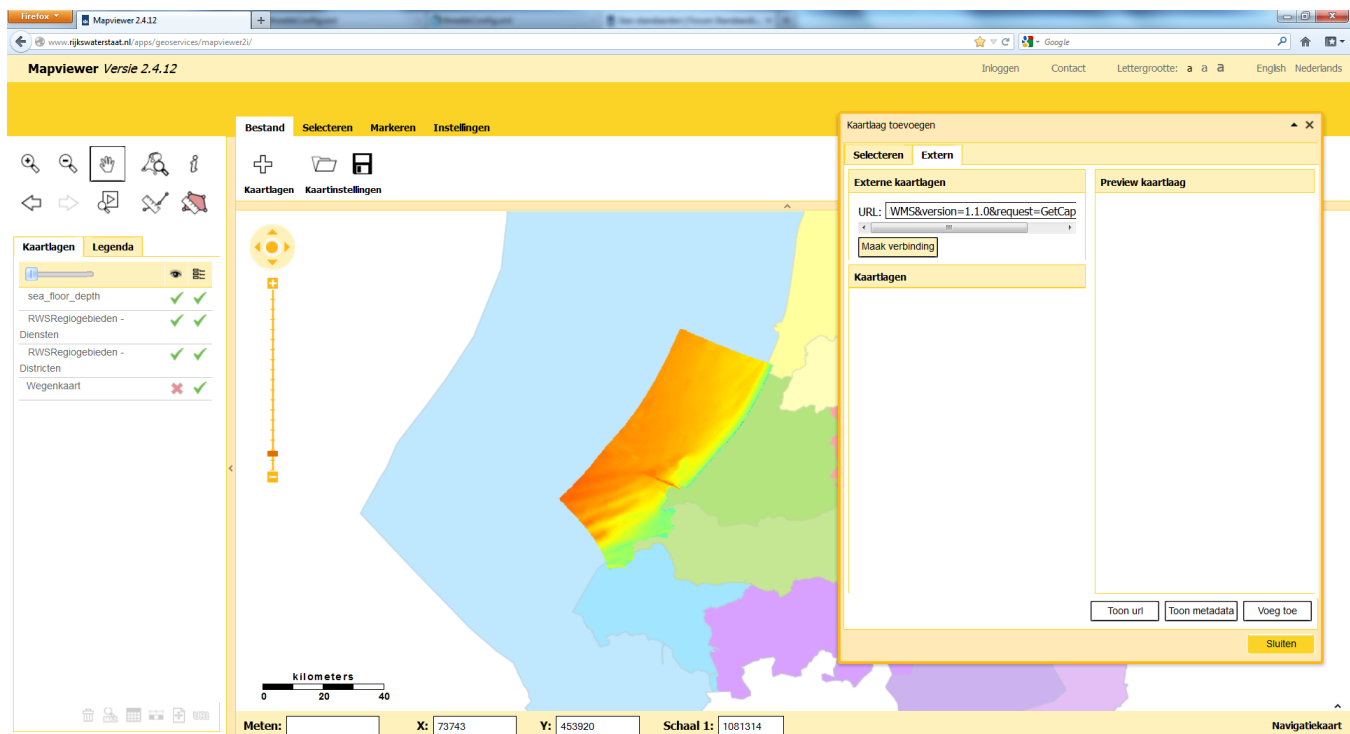


Figure SIMONA SDS scientific data format

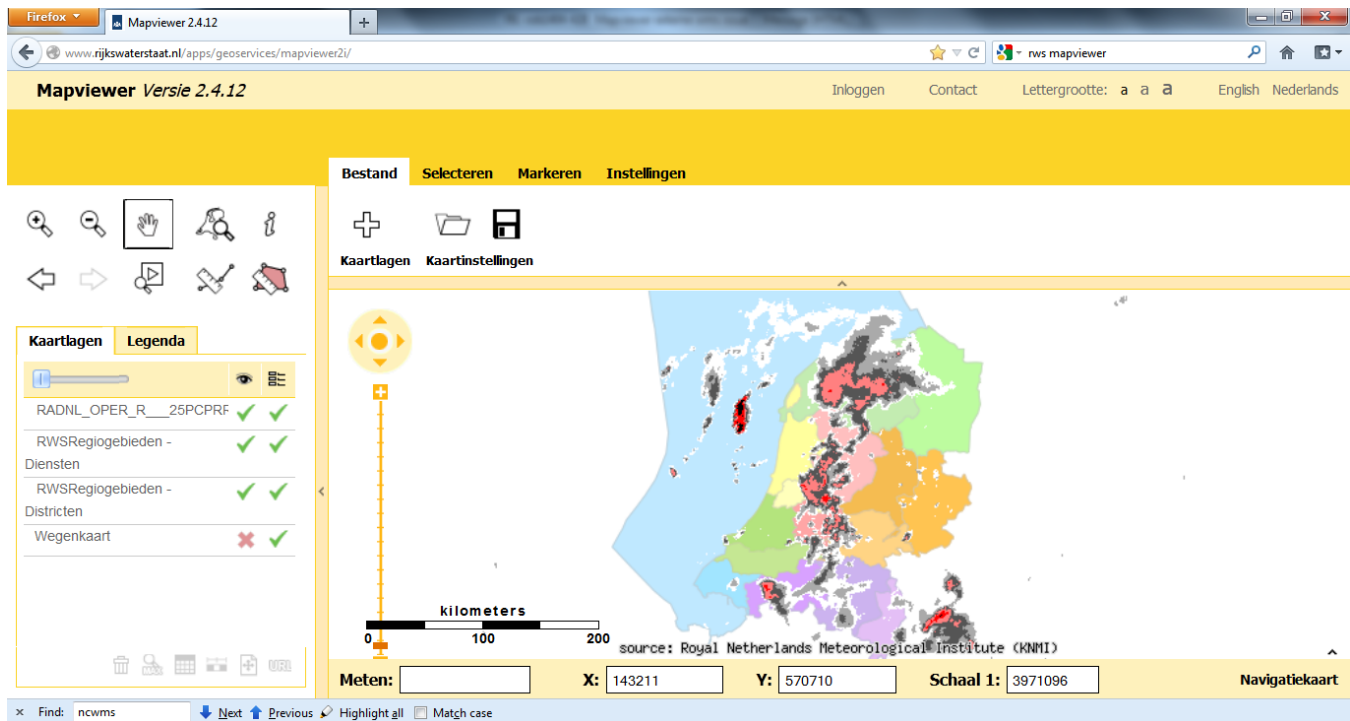


Figure KNMI RAD NL

Viewing time-dependent curvi-linear WMS: ADAGUC viewer

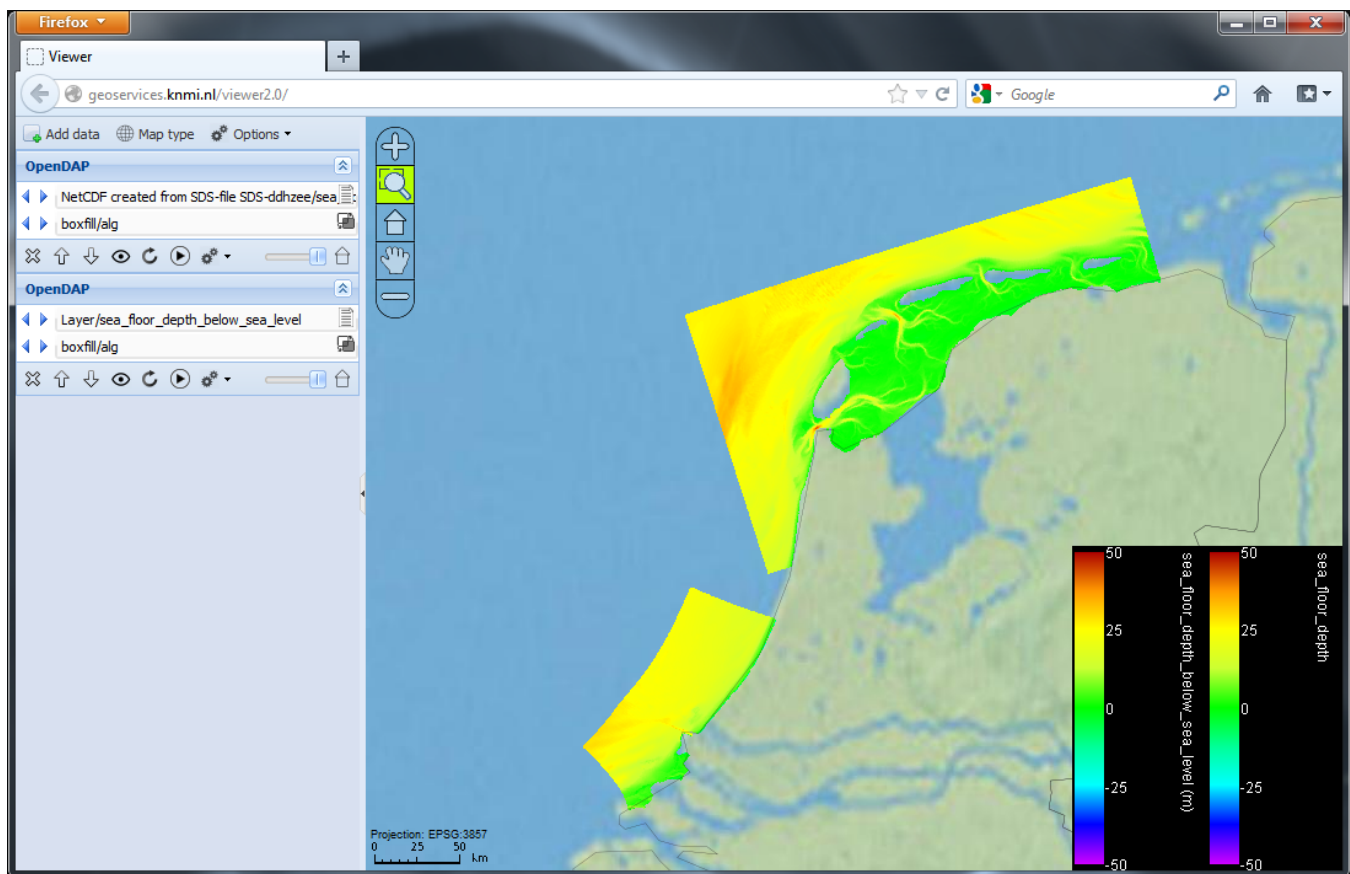


Figure Delft3D-FLOW NEFIS + SIMONA SDS scientific data formats

Viewing time-dependent curvi-linear WMS: Google Earth

See loading a [WMS in Google Earth](#).

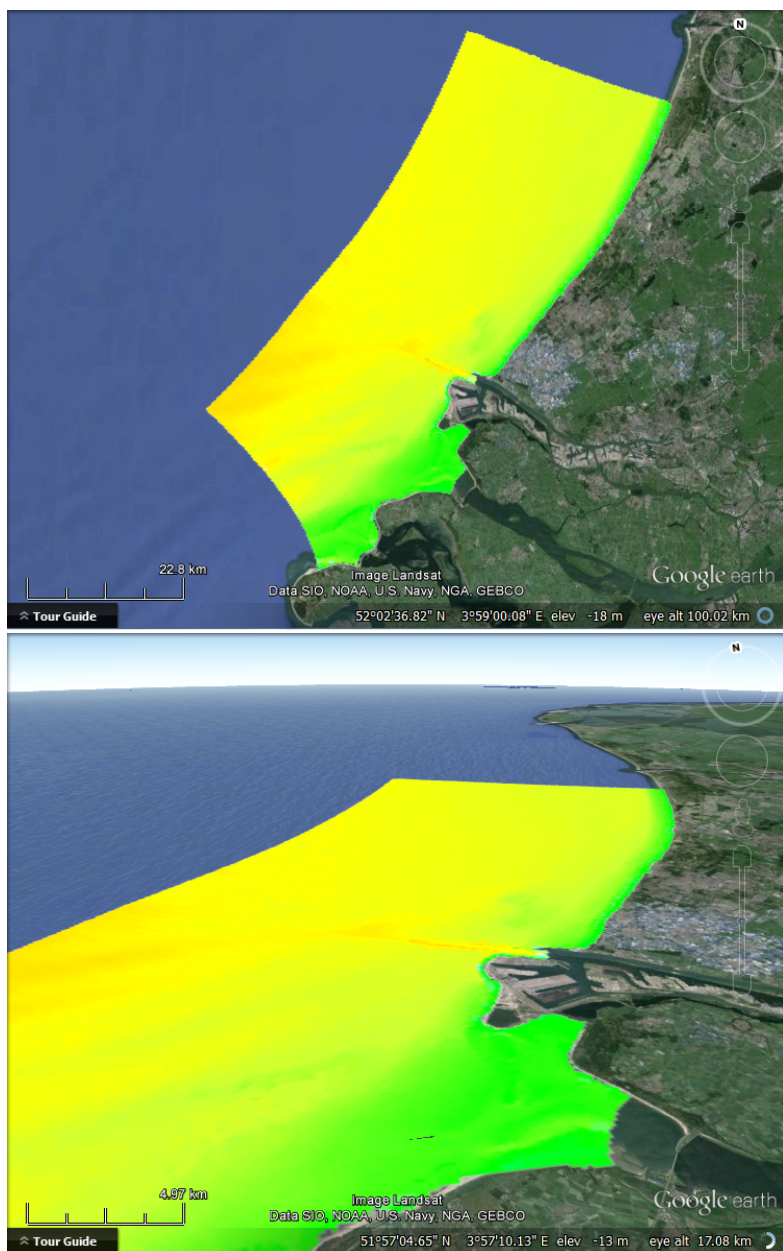


Figure Delft3D-FLOW NEFIS + SIMONA SDS scientific data formats