GDAL /vsicurl/ - access data from internet

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Open source GDAL has quite a lot nice utilities and features. GIS data on http/ftp-servers can be accessed by /vsicurl/.

Given some data on a http-server, e.g. the nice EU-DEM, the Digital Elevation Model over Europe from the GMES RDA project.

Following datasets are available:

- EU-DEM in ETRS89 geographic (EPSG code 4258)
- EU-DEM in ETRS89-LAEA (EPSG code 3035)
- Colour shaded relief image over Europe in ETRS89-LAEA (EPSG code 3035)

Using /vsicurl/ on the dataset in the internet, you can do nice things like:

gdalinfo /vsicurl/http://published-files.eea.europa.eu/eudem/jrc_r_3035_25_m_gsgrda-eudem-dem-europe_2012_rev1/eudem_tiles_1000km/EUD_CP-DEMS_4500025000-AA.tif

gdaltindex -tileindex pl -src_srs_name fsrs -src_srs_format EPSG //

eudem_index2.shp /vsicurl/http://published-files.eea.europa.eu/eudem/jrc_r_3035_25_m_gsgrda-eudem-dem-europe_2012_rev1/eudem_tiles_1000km/EUD_CP-DEMS_4500025000-AA.tif

gdal_translate -of "GTiff" -projwin 4000000.000 2900000.000 4900000.000 2200000.000 //

/vsicurl/http://published-files.eea.europa.eu/eudem/jrc_r_3035_25_m_gsgrda-eudem-dem-europe_2012_rev1/eudem_tiles_1000km/EUD_CP-DEMS_4500025000-AA.tif EUD_CP-DEMS_4500025000-AAm.tif