Spatial Data Formats Specifications

Introduction

In the context of O2A several publicly known data formats (GeoCSV, GeoTIFF, netCDF) are used but with additional requirements. To avoid confusion the resulting specifications should be referred to with an "O2A" prefix (e.g. "O2A GeoCSV") or by their file extensions (e.g. ".sdi.tab") as shown in this table.

source format name	source format extensions	internal format extension	internal format names
GeoCSV	.csv, .tsv, .tab	.sdi.tab	O2A GeoCSV, internal GeoCSV
GeoTIFF	.tif, .tiff	.sdi.tif	O2A GeoTIFF, internal GeoTIFF
netCDF	.nc	.sdi.nc	O2A netCDF, internal netCDF

These O2A specifications might look similar but are not to be confused with the NRT data format!

O2A Spatial Data Specifications:

- (Deprecated) O2A specification for GeoCSV (.sdi.tab)
- O2A Media Layer - Gallery Mapping
- O2A specification for GeoCSV (.sdi.csv)
- O2A specification for GeoTIFF (.sdi.tif)
- O2A specification for Mapping Files (.sdi.mapping.tab)
- O2A specification for PANGAEA sources (.sdi.pangaea.lst)
- O2A specification for SDI Data Product Configuration