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# OGC API Coverages

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# OGC API Coverages - Intro

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- Establishes how to access coverages as defined by the Coverage Implementation Schema (CIS) 1.1 through OpenAPI.
  - Only gridded coverages are addressed, not MultiPoint/Curve/Surface/SolidCoverages.
  - Only GeneralGridCoverage is addressed, other coverage types will follow later.
  - Only coverage extraction functionality is considered, not general processing
  - Subsetting is considered in the query component only for now.

# OGC API Coverages - Paths



- From Common
  - Path = /,
  - Path = /api,
  - Path = /conformance
  - Path = /collections/
  - Path = /collections/{collectionId}
- Path = /collections/{collectionId}/coverages
  - Returns metadata about each coverage in the collection
- Path = /collections/{collectionId}/coverages/{coverageId}
  - Returns the coverage itself. Typically as an image file.
- Path = /collections/{collectionId}/coverages/{coverageId}/metadata
  - Returns metadata about a coverage.
- Path = /collections/{collectionId}/coverages/{coverageId}/domainset
  - Returns a description of the domain set of the coverage
- Path = /collections/{collectionId}/coverages/{coverageId}/rangetype
  - Returns a description of the range type of the coverage

# OGC API Coverages - Issues



- Issue 21: Tree structure vs features API
- Issue 19: Identifier syntax for OAPI Common
- Issue 15: What extensions should API Coverages have?
- Issue 14: Coverage representation in HTML
- Issue 13: HTML not optimal for findability/discovery
- Issue 9: Make use of HTTP headers
- Issue 8: Coverage collections
- Issue 3: How to model resource (sub) selection based on the coverage model

[https://github.com/opengeospatial/ogc\\_api\\_coverages/projects/1](https://github.com/opengeospatial/ogc_api_coverages/projects/1)



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