Open
Geospatial
Consortium

OGC DOCUMENT TITLE

COMMUNITY STANDARD

APPROVED

CONTENTS

LIST OF TABLES

I ABSTRACT

<Insert Abstract Text here>

II KEYWORDS

The following are keywords to be used by search engines and document catalogues.

keyword_1, keyword_2, keyword_3, etc.

III PREFACE

NOTE: Insert Preface Text here. Give OGC specific commentary: describe the technical content, reason for document, history of the document and precursors, and plans for future work.

There are two ways to specify the Preface: "simple clause" or "full clasuse"

If the Preface does not contain subclauses, it is considered a simple preface clause. This one is entered as text after the `.Preface` label and must be placed between the AsciiDoc document attributes and the first AsciiDoc section title. It should not be give a section title of its own.

If the Preface contains subclauses, it needs to be encoded as a full preface clause. This one is recognized as a full Metanorma AsciiDoc section with te title "Preface", i.e. `== Preface`. (Simple preface content can also be encoded like full preface.)

IV SECURITY CONSIDERATIONS

No security considerations have been made for this Standard.

V SUBMITTERS

All questions regarding this submission should be directed to the editor or the submitters:

NAME	AFFILIATION	OGC MEMBER
Steve Liang	University of Calgary, Canada / SensorUp Inc.	Yes

VI SOURCE OF THE CONTENT FOR THIS OGC DOCUMENT

VII VALIDITY OF CONTENT

VIII FUTURE WORK

NOTE: If you need to place any further sections in the preface area use the `[.preface]` attribute.

IX   CONTRIBUTORS

Additional contributors to this Standard include the following:

Individual name(s), Organization

1

SCOPE

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1 SCOPE

<Insert Scope text here>

NOTE: Give the subject of the document and the aspects of that scope covered by the document.

2
CONFORMANCE
___

2   CONFORMANCE

<Insert conformance content here>

NOTE: Provide a short description of the content approached in subsequent sections and the main subject of the document

3

NORMATIVE REFERENCES

3 NORMATIVE REFERENCES

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

Identification of Common Molecular Subsequences. Smith, T.F., Waterman, M.S., J. Mol. Biol. 147, 195–197 (1981)

ZIB Structure Prediction Pipeline: Composing a Complex Biological Workflow through Web Services. May, P., Ehrlich, H.C., Steinke, T. In: Nagel, W.E., Walter, W.V., Lehner, W. (eds.) Euro-Par 2006. LNCS, vol. 4128, pp. 1148–1158. Springer, Heidelberg (2006)

The Grid: Blueprint for a New Computing Infrastructure., Foster, I., Kesselman, C.. Morgan Kaufmann, San Francisco (1999).

Grid Information Services for Distributed Resource Sharing. Czajkowski, K., Fitzgerald, S., Foster, I., Kesselman, C. In: 10th IEEE International Symposium on High Performance Distributed Computing, pp. 181–184. IEEE Press, New York (2001)

4

TERMS AND DEFINITIONS

4 TERMS AND DEFINITIONS

This document uses the terms defined in OGC Policy Directive 49, which is based on the ISO/IEC Directives, Part 2, Rules for the structure and drafting of International Standards. In particular, the word "shall" (not "must") is the verb form used to indicate a requirement to be strictly followed to conform to this document and OGC documents do not use the equivalent phrases in the ISO/IEC Directives, Part 2.

This document also uses terms defined in the OGC Standard for Modular specifications (OGC 08-131r3), also known as the 'ModSpec'. The definitions of terms such as standard, specification, requirement, and conformance test are provided in the ModSpec.

For the purposes of this document, the following additional terms and definitions apply.

4.1. example term

term used for exemplary purposes

Note 1 to entry: An example note.

Example   Here's an example of an example term.

[**SOURCE:**]

5

CONVENTIONS

5   CONVENTIONS

NOTE: This section provides details and examples for any conventions used in the document. Examples of conventions are symbols, abbreviations, use of XML schema, or special notes regarding how to read the document.

5.1. Identifiers

The normative provisions in this standard are denoted by the URI

`http://www.opengis.net/spec/{standard}/{m.n}`

All requirements and conformance tests that appear in this document are denoted by partial URIs which are relative to this base.

5.2. Other conventions

<Place any other convention needed with its corresponding title>

6

CORE

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6 CORE

This clause establishes the **Core** Requirements class, with IRI `/req/core`, which has a corresponding Conformance Class, **Core**, with IRI `/conf/core`.

6.1. Class: geosrs:CoordinateSystem

Table 1

URI	https://w3id.org/geosrs/cs/CoordinateSystem
Definition	Set of axes that spans a given coordinate space and of mathematical rules for specifying how coordinates are to be assigned to points. Cf. ISO 19111:2007:2007-07, part 9.2, table 17 and annex B.2.

6.2. Class: geosrs:CartesianCoordinateSystem

Table 2

URI	https://w3id.org/geosrs/cs/CartesianCoordinateSystem
Definition	Coordinate system which gives the position of points relative to n mutually perpendicular axes. Cf. ISO 19111:2007:2007-07, tables 15 and 18.
Super-classes	https://w3id.org/geosrs/projection/PseudoCylindricalProjection

6.3. Class: geosrs:EllipsoidalCoordinateSystem

Table 3

URI	https://w3id.org/geosrs/cs/EllipsoidalCoordinateSystem

Definition	Coordinate system which gives the position is specified by geodetic latitude, geodetic longitude and (in the three-dimensional case) ellipsoidal height. Cf. ISO 19111:2007:2007-07, tables 15 and 20.
Super-classes	https://w3id.org/geosrs/projection/PseudoCylindricalProjection

6.4. Class: geosrs:LinearCoordinateSystem

Table 4

URI	https://w3id.org/geosrs/cs/LinearCoordinateSystem
Definition	One-dimensional coordinate system in which a linear feature forms the axis.

6.5. Class: geosrs:OrdinalCoordinateSystem

Table 5

URI	https://w3id.org/geosrs/cs/OrdinalCoordinateSystem
Definition	n-dimensional coordinate system in which every axis uses integers.
Super-classes	https://w3id.org/geosrs/cs/GeodeticCoordinateSystem

6.6. Class: geosrs:ParametricCoordinateSystem

Table 6

URI	https://w3id.org/geosrs/cs/ParametricCoordinateSystem
Definition	One-dimensional coordinate system where the axis units are parameter values which are not inherently spatial.

Super-classes	https://w3id.org/geosrs/cs/GeodeticCoordinateSystem

6.7. Class: geosrs:PolarCoordinateSystem

Table 7

URI	https://w3id.org/geosrs/cs/PolarCoordinateSystem
Definition	Two-dimensional coordinate system in Euclidean space in which position is specified by one distance coordinate and one angular coordinate.
Super-classes	https://w3id.org/geosrs/cs/GeodeticCoordinateSystem

6.8. Class: geosrs:SphericalCoordinateSystem

Table 8

URI	https://w3id.org/geosrs/cs/SphericalCoordinateSystem
Definition	Three-dimensional coordinate system in Euclidean space with one distance measured from the origin and two angular coordinates
Super-classes	https://w3id.org/geosrs/cs/GeodeticCoordinateSystem

6.9. Class: geosrs:VerticalCoordinateSystem

Table 9

URI	https://w3id.org/geosrs/cs/VerticalCoordinateSystem
Definition	One-dimensional coordinate system used for gravity related height or depth measurements. Cf. ISO 19111:2007:2007-07, tables 15 and 25.

Super-classes	https://w3id.org/geosrs/cs/3DCoordinateSystem

6.10. Class: geosrs:CoordinateSystemAxis

Table 10

URI	https://w3id.org/geosrs/cs/CoordinateSystemAxis
Definition	Axis relative to which a coordinate of a point is specified in a coordinate system. See ISO 19111:2007:2007-07, part 9.3, table 27 and annex B.2.2.

6.11. Class: geosrs:AreaOfUse

Table 11

URI	https://w3id.org/geosrs/srs/AreaOfUse

6.12. Class: geosrs:CRS

Table 12

URI	https://w3id.org/geosrs/srs/CRS
Definition	Depending on the spatial dimension of coordinates (1D, 2D, 3D), this piece of metadata is used for specifying the elements of definition associated to a given set of coordinates: its datum, its ellipsoid, its prime meridian, the type of coordinates (geocentric, geographic, projected,…), the coordinates units of measure, when appropriate the cartographic projection used, the vertical coordinate reference system.
Super-classes	https://w3id.org/geosrs/cs/3DCoordinateSystem

6.13. Class: geosrs:EngineeringCRS

Table 13

URI	https://w3id.org/geosrs/srs/EngineeringCRS

6.14. Class: geosrs:GeodeticCRS

Table 14

URI	https://w3id.org/geosrs/srs/GeodeticCRS
Definition	Coordinate reference system associated with a geodetic datum. Cf. ISO 19111:2007:2007-07, part 8.2.2.a, table 10 and annex B.1.2.1.a.

6.15. Class: geosrs:GeographicCRS

Table 15

URI	https://w3id.org/geosrs/srs/GeographicCRS

6.16. Class: geosrs:ProjectedCRS

Table 16

URI	https://w3id.org/geosrs/srs/ProjectedCRS
Definition	Coordinate reference system derived from a two-dimensional geodetic coordinate reference system by applying a map projection. Cf. ISO 19111:2007:2007-07, part 8.2.3.b, table 11 and annex B.1.2.3.

6.17. Class: geosrs:SingleCRS

Table 17

URI	https://w3id.org/geosrs/srs/SingleCRS
Definition	Coordinate reference system consisting of one coordinate system and one datum. Cf. ISO 19111:2007:2007-07, table 5.

6.18. Class: geosrs:SpatialReferenceSystem

Table 18

URI	https://w3id.org/geosrs/srs/SpatialReferenceSystem
Definition	A reference system allowing the description of a position.
Super-classes	CRS[]

6.19. Class: geosrs:CoordinateOperation

Table 19

URI	https://w3id.org/geosrs/co/CoordinateOperation
Definition	Mathematical operation on coordinates, based on one-to-one relationship, that changes coordinates from one coordinate reference system to another. Cf. ISO 19111:2007:2007-07, part 11.1, table 42 and annex B.4.
Super-classes	CRS[]

6.20. Class: geosrs:SingleOperation

Table 20

URI	https://w3id.org/geosrs/co/SingleOperation
Definition	A non concatenated coordinate operation. Cf. ISO 19111:2007:2007-07, table 43.
Super-classes	CRS[]

6.21. Class: geosrs:Transformation

Table 21

URI	https://w3id.org/geosrs/co/Transformation
Definition	Coordinate operation in which the two coordinate reference systems are based on different datums. Cf. ISO 19111:2007:2007-07, table 44.
Super-classes	CRS[]

6.22. Class: geosrs:Conversion

Table 22

URI	https://w3id.org/geosrs/co/Conversion
Definition	Coordinate operation in which both coordinate reference systems are based on the same datum. Cf. ISO 19111:2007:2007-07, table 45 and annex B.4.2.
Super-classes	CRS[]

6.23. Class: geosrs:OperationMethod

Table 23

URI	https://w3id.org/geosrs/co/OperationMethod
Definition	Method used to perform an operation on coordinates. See ISO 19111:2007:2007-07, table 48 and annex B.4.5.

6.24. Class: geosrs:OperationParameter

Table 24

URI	https://w3id.org/geosrs/co/OperationParameter
Definition	Parameter used by a method to perform an operation on coordinates. See ISO 19111:2007:2007-07, table 52 and annex B.4.5.

6.25. Class: geosrs:OperationParameterValue

Table 25

URI	https://w3id.org/geosrs/co/OperationParameterValue
Definition	Value of a parameter used by a method to perform an operation on coordinates. See ISO 19111:2007:2007-07, table 55.

6.26. Class: geosrs:Datum

Table 26

URI	https://w3id.org/geosrs/datum/Datum
Definition	Parameter or set of parameters that define the position of the origin, the scale and the orientation of a coordinate system. Cf. ISO 19111:2007:2007-07, part 10.1, table 33 and annex B.3.

6.27. Class: geosrs:GeodeticDatum

Table 27

URI	https://w3id.org/geosrs/datum/GeodeticDatum
Definition	Datum describing the relation of a two- or three-dimensional coordinate system to the Earth. Cf. ISO 19111:2007:2007-07, part 10.2, table 34 and annex B.3.2.

6.28. Class: geosrs:PrimeMeridian

Table 28

URI	https://w3id.org/geosrs/datum/PrimeMeridian
Definition	Meridian from which the longitudes of other meridians are quantified. Cf. ISO 19111:2007:2007-07, part 10.2.1, table 35 and annex B.3.2.2.

6.29. Class: geosrs:Ellipsoid

Table 29

URI	https://w3id.org/geosrs/datum/Ellipsoid

Definition	Surface formed by the rotation of an ellipse about its minor axis, defined by a semi-major axis and a flattening parameter and fairly geocentric. NB : It is a mathematical model of the geoid, i.e. the Earth without its relief. Many geodetic ellipsoids exist. Cf. ISO 19111:2007:2007-07, part 10.2.2, table 36 and annex B.3.2.3.

6.30. Class: geosrs:VerticalDatum

Table 30

URI	https://w3id.org/geosrs/datum/VerticalDatum
Definition	Datum describing the relation of gravity-related heights or depths to the Earth. Cf. ISO 19111:2007:2007-07, table 41 and annex B.3.3.
Super-classes	Frame[]

6.31. Property: geosrs:semiMajorAxis

The class `geosrs:geosrs:semiMajorAxis` is defined by the following:

Indicates the length of the semi major axis of an ellipsoid. Cf. ISO 19111:2007:2007-07, table 36, attribute length of semi-major axis.

6.32. Property: geosrs:semiMinorAxis

The class `geosrs:geosrs:semiMinorAxis` is defined by the following:

Indicates the length of the semi minor axis of an ellipsoid. Cf. ISO 19111:2007:2007-07, table 37, attribute length of semi-minor axis.

6.33. Property: geosrs:axis

The class `geosrs:geosrs:axis` is defined by the following:

The property relates a coordinate system to one of its axis

6.34. Property: geosrs:baseCRS

The class `geosrs:geosrs:baseCRS` is defined by the following:

The geodetic coordinate reference system on which a projected coordinate reference system is based. Cf. ISO 19111:2007:2007-07, table 11, association role baseCRS.

6.35. Property: geosrs:coordinateSystem

The class `geosrs:geosrs:coordinateSystem` is defined by the following:

The property relates a coordinate reference system to its coordinate system

6.36. Property: geosrs:datum

The class `geosrs:geosrs:datum` is defined by the following:

The property relates a coordinate reference system to a datum

6.37. Property: geosrs:domainOfValidity

The class `geosrs:geosrs:domainOfValidity` is defined by the following:

Geographic area or time interval in which the referring object is valid. Cf. ISO 19111:2007:2007-07, tables 4, 33 and 42, attribute domainOfValidity.

6.38. Property: geosrs:ellipsoid

The class `geosrs:geosrs:ellipsoid` is defined by the following:

The properties relates a datum to its ellipsoid definition

6.39. Property: geosrs:sourceCRS

The class `geosrs:geosrs:sourceCRS` is defined by the following:

The coordinate reference system associated to the data used as input of a given operation. Cf. ISO 19111:2007:2007-07, table 42, named association Source.

6.40. Property: geosrs:targetCRS

The class `geosrs:geosrs:targetCRS` is defined by the following:

The coordinate reference system associated to the data obtained as output of a given operation. Cf. ISO 19111:2007:2007-07, table 42, named association Target.

COORDINATE OPERATION MODULE

7 COORDINATE OPERATION MODULE

This clause establishes the **Co** Requirements class, with IRI `/req/co`, which has a corresponding Conformance Class, **Co**, with IRI `/conf/co`.

7.1. Property: geosrs:derivingConversion

The class `geosrs:geosrs:derivingConversion` is defined by the following:

7.2. Property: geosrs:method

The class `geosrs:geosrs:method` is defined by the following:

7.3. Property: geosrs:parameter

The class `geosrs:geosrs:parameter` is defined by the following:

8

COORDINATE SYSTEM MODULE

8 COORDINATE SYSTEM MODULE

This clause establishes the **CS** Requirements class, with IRI `/req/cs`, which has a corresponding Conformance Class, **CS**, with IRI `/conf/cs`.

8.1. Class: geosrs:1DCoordinateSystem

Table 31

URI	https://w3id.org/geosrs/cs/1DCoordinateSystem
Definition	Non-repeating sequence of coordinate system axes that spans a given coordinate space in one dimension
Super-classes	https://w3id.org/geosrs/cs/1DCoordinateSystem

8.2. Class: geosrs:3DCoordinateSystem

Table 32

URI	https://w3id.org/geosrs/cs/3DCoordinateSystem
Definition	Non-repeating sequence of coordinate system axes that spans a given coordinate space in three dimensions
Super-classes	https://w3id.org/geosrs/cs/3DCoordinateSystem

8.3. Class: geosrs:AffineCoordinateSystem

Table 33

URI	https://w3id.org/geosrs/cs/AffineCoordinateSystem

Definition	Coordinate system in Euclidean space with straight axes that are not necessarily mutually perpendicular
Super-classes	https://w3id.org/geosrs/cs/AffineCoordinateSystem

8.4. Class: geosrs:BarycentricCoordinateSystem

Table 34

URI	https://w3id.org/geosrs/cs/BarycentricCoordinateSystem
Definition	A coordinate system in which the location of a point is specified by reference to a simplex (a triangle for points in a plane, a tetrahedron for points in three-dimensional space, etc.)
Super-classes	https://w3id.org/geosrs/cs/BarycentricCoordinateSystem

8.5. Class: geosrs:CelestialCoordinateSystem

Table 35

URI	https://w3id.org/geosrs/cs/CelestialCoordinateSystem
Definition	A coordinate system for specifying positions of celestial objects relative to physical reference points
Super-classes	https://w3id.org/geosrs/cs/CelestialCoordinateSystem

8.6. Class: geosrs:ConicalCoordinateSystem

Table 36

URI	https://w3id.org/geosrs/cs/ConicalCoordinateSystem

Definition	A conical coordinate system is a three-dimensional orthogonal coordinate system consisting of concentric spheres (described by their radius r) and by two families of perpendicular cones, aligned along the z- and x-axes, respectively
Super-classes	https://w3id.org/geosrs/cs/ConicalCoordinateSystem

8.7. Class: geosrs:CurvilinearCoordinateSystem

Table 37

URI	https://w3id.org/geosrs/cs/CurvilinearCoordinateSystem
Definition	A coordinate system for the Euclidean space in which the coordinate lines may be curved
Super-classes	https://w3id.org/geosrs/cs/CurvilinearCoordinateSystem

8.8. Class: geosrs:CylindricalCoordinateSystem

Table 38

URI	https://w3id.org/geosrs/cs/CylindricalCoordinateSystem
Definition	Three-dimensional coordinate system in Euclidean space in which position is specified by two linear coordinates and one angular coordinate
Super-classes	https://w3id.org/geosrs/cs/CylindricalCoordinateSystem

8.9. Class: geosrs:EclipticCoordinateSystem

Table 39

URI	https://w3id.org/geosrs/cs/EclipticCoordinateSystem
Definition	An ecliptic coordinate system is used for representing the apparent positions and orbits of solar system objects.
Super-classes	https://w3id.org/geosrs/cs/EclipticCoordinateSystem

8.10. Class: geosrs:EngineeringCoordinateSystem

Table 40

URI	https://w3id.org/geosrs/cs/EngineeringCoordinateSystem
Definition	Coordinate system used by an engineering coordinate reference system, one of an affine coordinate system, a Cartesian coordinate system, a cylindrical coordinate system, a linear coordinate sytem, an ordinal coordinate system, a polar coordinate system or a spherical coordinate system
Super-classes	https://w3id.org/geosrs/cs/EngineeringCoordinateSystem

8.11. Class: geosrs:EquatorialCoordinateSystem

Table 41

URI	https://w3id.org/geosrs/cs/EquatorialCoordinateSystem
Definition	A celestial coordinate system in which an object's position on the celestial sphere is described in terms of its north-south declination and east-west right ascension, measured relative to the celestial equator and vernal equinox, respectively.
Super-classes	https://w3id.org/geosrs/cs/EquatorialCoordinateSystem

8.12. Class: geosrs:GalacticCoordinateSystem

Table 42

URI	https://w3id.org/geosrs/cs/GalacticCoordinateSystem
Definition	A coordinate system with the Sun as its center, the primary direction aligned with the approximate center of the Milky Way Galaxy, and the fundamental plane parallel to an approximation of the galactic plane but offset to its north.
Super-classes	https://w3id.org/geosrs/cs/CelestialCoordinateSystem https://w3id.org/geosrs/cs/3DCoordinateSystem

8.13. Class: geosrs:GeodeticCoordinateSystem

Table 43

URI	https://w3id.org/geosrs/cs/GeodeticCoordinateSystem
Definition	Coordinate system used by a Geodetic CRS, one of a Cartesian coordinate system or a spherical coordinate system.
Super-classes	https://w3id.org/geosrs/cs/GeodeticCoordinateSystem

8.14. Class: geosrs:GeographicalCoordinateSystem

Table 44

URI	https://w3id.org/geosrs/cs/ GeographicalCoordinateSystem
Definition	Spherical or geodetic coordinate system for measuring and communicating positions directly on Earth as latitude and longitude.

| Super-classes | https://w3id.org/geosrs/SphericalCoordinateSystem |
| | https://w3id.org/geosrs/cs/GeodeticCoordinateSystem |

8.15. Class: geosrs:GridCoordinateSystem

Table 45

URI	https://w3id.org/geosrs/cs/GridCoordinateSystem
Definition	A grid coordinate system identifies areas within a grid.
Super-classes	https://w3id.org/geosrs/cs/GridCoordinateSystem

8.16. Class: geosrs:HexagonalCoordinateSystem

Table 46

URI	https://w3id.org/geosrs/cs/HexagonalCoordinateSystem
Definition	A hexagonal coordinate system identifies areas within a hexagonal lattice.
Super-classes	https://w3id.org/geosrs/cs/HexagonalCoordinateSystem

8.17. Class: geosrs:HorizontalCoordinateSystem

Table 47

URI	https://w3id.org/geosrs/cs/HorizontalCoordinateSystem
Definition	A horizontal coordinate system is a celestial coordinate system that uses the observer's local horizon as the fundamental plane.
Super-classes	https://w3id.org/geosrs/cs/HorizontalCoordinateSystem

8.18. Class: geosrs:LocalCoordinateSystem

Table 48

URI	https://w3id.org/geosrs/cs/LocalCoordinateSystem
Definition	Coordinate system with a point of local reference.
Super-classes	https://w3id.org/geosrs/cs/LocalCoordinateSystem

8.19. Class: geosrs:ObliqueCoordinateSystem

Table 49

URI	https://w3id.org/geosrs/cs/ObliqueCoordinateSystem
Definition	A plane coordinate system whose axes are not perpendicular.
Super-classes	https://w3id.org/geosrs/cs/ObliqueCoordinateSystem

8.20. Class: geosrs:OrthogonalCoordinateSystem

Table 50

URI	https://w3id.org/geosrs/cs/OrthogonalCoordinateSystem
Definition	A orthogonal coordinate system is a system of curvilinear coordinates in which each family of surfaces intersects the others at right angles.
Super-classes	https://w3id.org/geosrs/cs/OrthogonalCoordinateSystem

8.21. Class: geosrs:PerifocalCoordinateSystem

Table 51

URI	https://w3id.org/geosrs/cs/PerifocalCoordinateSystem
Definition	A frame of reference centered at the focus of the orbit, i.e. the celestial body about which the orbit is centered.
Super-classes	https://w3id.org/geosrs/cs/PerifocalCoordinateSystem

8.22. Class: geosrs:PlanarCoordinateSystem

Table 52

URI	https://w3id.org/geosrs/cs/PlanarCoordinateSystem
Definition	A two-dimensional measurement system that locates features on a plane based on their distance from an origin (0,0) along two perpendicular axes.
Super-classes	https://w3id.org/geosrs/cs/PlanarCoordinateSystem

8.23. Class: geosrs:SkewCoordinateSystem

Table 53

URI	https://w3id.org/geosrs/cs/SkewCoordinateSystem
Definition	A skew coordinate system is a system of curvilinear coordinates in which each family of surfaces intersects the others at angles other than right angles.
Super-classes	https://w3id.org/geosrs/cs/SkewCoordinateSystem

8.24. Class: geosrs:DateTimeTemporalCoordinateSystem

Table 54

URI	https://w3id.org/geosrs/cs/DateTimeTemporalCoordinateSystem
Definition	One-dimensional coordinate system used to record time in dateTime representation as defined in ISO 8601.
Super-classes	https://w3id.org/geosrs/cs/DateTimeTemporalCoordinateSystem

8.25. Class: geosrs:TemporalCountCoordinateSystem

Table 55

URI	https://w3id.org/geosrs/cs/TemporalCountCoordinateSystem
Definition	One-dimensional coordinate system used to record time as an integer count.
Super-classes	https://w3id.org/geosrs/cs/TemporalCountCoordinateSystem

8.26. Class: geosrs:TemporalCoordinateSystem

Table 56

URI	https://w3id.org/geosrs/cs/TemporalCoordinateSystem
Definition	One-dimensionalcoordinate system where the axis is time.
Super-classes	https://w3id.org/geosrs/cs/TemporalCoordinateSystem

8.27. Class: geosrs:TemporalMeasureCoordinateSystem

Table 57

URI	https://w3id.org/geosrs/cs/TemporalMeasureCoordinateSystem
Definition	One-dimensional coordinate system used to record a time as a real number.
Super-classes	https://w3id.org/geosrs/cs/TemporalMeasureCoordinateSystem

8.28. Class: geosrs:SuperGalacticCS

Table 58

URI	https://w3id.org/geosrs/cs/SuperGalacticCS
Definition	A reference frame for the supercluster of galaxies that contains the Milky Way galaxy, referenced to a local relatively flat collection of galaxy clusters used to define the supergalactic plane.
Super-classes	https://w3id.org/geosrs/cs/CelestialCoordinateSystem https://w3id.org/geosrs/cs/3DCoordinateSystem

8.29. Property: geosrs:axisDirection

The class `geosrs:geosrs:axisDirection` is defined by the following:

The direction of an axis. Cf. ISO 19111:2007:2007-07, table 27, attribute coordinate system axis direction.

8.30. Property: geosrs:cylindricalCS

The class `geosrs:geosrs:cylindricalCS` is defined by the following:

Links a coordinate reference system to a cylindrical coordinate system

9

DATUM MODULE

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9 DATUM MODULE

This clause establishes the **Datum** Requirements class, with IRI `/req/datum`, which has a corresponding Conformance Class, **Datum**, with IRI `/conf/datum`.

9.1. Class: geosrs:DynamicGeodeticReferenceFrame

Table 59

URI	https://w3id.org/geosrs/datum/DynamicGeodeticReferenceFrame
Definition	Geodetic reference frame in which some of the parameters describe time evolution of defining station coordinatesExample: defining station coordinates having linear velocities to account for crustal motion.
Super-classes	https://w3id.org/geosrs/datum/DynamicGeodeticReferenceFrame

9.2. Class: geosrs:TriaxialEllipsoid

Table 60

URI	https://w3id.org/geosrs/datum/TriaxialEllipsoid
Definition	Surface of an analytic ellipsoid defined by three axes of different length. Also referred as scalene ellipsoid.

9.3. Class: geosrs:DynamicVerticalDatum

Table 61

URI	https://w3id.org/geosrs/datum/DynamicVerticalDatum

Definition	Vertical reference frame in which some of the defining parameters have time dependencyExample: Defining station heights have velocity to account for post-glacial isostatic rebound motion. Cf. ISO 19111:2019 Geographic information — Referencing by coordinates.
Super-classes	https://w3id.org/geosrs/datum/DynamicVerticalDatum

9.4. Class: geosrs:ParametricDatum

Table 62

URI	https://w3id.org/geosrs/datum/ParametricDatum
Definition	Textual description and/or a set of parameters identifying a particular reference surface used as the origin of a parametric coordinate system, including its position with respect to the Earth. Cf. ISO 19111:2019 Geographic information — Referencing by coordinates.
Super-classes	https://w3id.org/geosrs/datum/ParametricDatum

9.5. Class: geosrs:DefiningParameter

Table 63

URI	https://w3id.org/geosrs/datum/DefiningParameter
Definition	Parameter value, an ordered sequence of values, or a reference to a file of parameter values that define a paramtric datum. Cf. ISO 19111:2019 Geographic information — Referencing by coordinates.

9.6. Class: geosrs:EngineeringDatum

Table 64

URI	https://w3id.org/geosrs/datum/EngineeringDatum
Definition	Definition of the origin and orientation of an engineering coordinate reference systemNote: The origin can be fixed with respect to the Earth (such as a defined point at a construction site), or be a defined point on a moving vehicle (such as on a ship or satellite), or a defined point of an image. Cf. ISO 19111:2019 Geographic information — Referencing by coordinates.
Super-classes	https://w3id.org/geosrs/datum/EngineeringDatum

9.7. Class: geosrs:TemporalDatum

Table 65

URI	https://w3id.org/geosrs/datum/TemporalDatum
Definition	Definition of the relationship of a temporal coordinate system to an objectNote: The object is normally time on the Earth. Cf. ISO 19111:2019 Geographic information — Referencing by coordinates.
Super-classes	https://w3id.org/geosrs/datum/TemporalDatum

9.8. Class: geosrs:DatumEnsemble

Table 66

URI	https://w3id.org/geosrs/datum/DatumEnsemble
Definition	A collection of two or more datums (or if geodetic or vertical, a collection of two or more reference frames) that are realizations of one Conventional Reference System and which for all but the highest accuracy requirements may be considered to be insignificantly different from each other. Note: Within the datum ensemble every frame or datum is constrained to be a realization of the same reference system. Cf. ISO

9.9. Property: geosrs:inverseFlattening

The class `geosrs:geosrs:inverseFlattening` is defined by the following:

Indicates the inverse flattening value of an ellipsoid, expressed as a number or a ratio (percentage rate, parts per million, etc.). Cf. ISO 19111:2007:2007-07, table 37, attribute inverse flattening

9.10. Property: geosrs:primeMeridian

The class `geosrs:geosrs:primeMeridian` is defined by the following:

The prime meridian used by a geodetic datum. Cf. ISO 19111:2007:2007-07, table 34, association role primeMeridian.

10
SRS APPLICATION MODULE

10 SRS APPLICATION MODULE

This clause establishes the **SRSAPP** Requirements class, with IRI `/req/srsapp`, which has a corresponding Conformance Class, **SRSAPP**, with IRI `/conf/srsapp`.

11

PROJECTIONS MODULE

11 PROJECTIONS MODULE

This clause establishes the **PROJ** Requirements class, with IRI `/req/proj`, which has a corresponding Conformance Class, **PROJ**, with IRI `/conf/proj`.

11.1. Class: geosrs:A4Projection

Table 67

URI	https://w3id.org/geosrs/projection/A4Projection
Super-classes	https://w3id.org/geosrs/projection/A4Projection

11.2. Class: geosrs:AdamsProjection

Table 68

URI	https://w3id.org/geosrs/projection/AdamsProjection
Super-classes	https://w3id.org/geosrs/projection/AdamsProjection

11.3. Class: geosrs:AdamsWorldInASquareIIProjection

Table 69

URI	https://w3id.org/geosrs/projection/AdamsWorldInASquareIIProjection
Super-classes	https://w3id.org/geosrs/projection/AdamsWorldInASquareIIProjection

11.4. Class: geosrs:AdamsWorldInASquareIProjection

Table 70

URI	https://w3id.org/geosrs/projection/AdamsWorldInASquareIProjection
Super-classes	https://w3id.org/geosrs/projection/AdamsWorldInASquareIProjection

11.5. Class: geosrs:AiryProjection

Table 71

URI	https://w3id.org/geosrs/projection/AiryProjection
Definition	An azimuthal minimum error projection for the region within the small or great circle defined by an angular distance, from the tangency point of the plane
Super-classes	https://w3id.org/geosrs/projection/AiryProjection

11.6. Class: geosrs:AitoffObliqueProjection

Table 72

URI	https://w3id.org/geosrs/projection/AitoffObliqueProjection
Super-classes	https://w3id.org/geosrs/projection/AitoffObliqueProjection

11.7. Class: geosrs:AitoffProjection

Table 73

URI	https://w3id.org/geosrs/projection/AitoffProjection
Definition	A modified azimuthal projection whose graticule takes the form of an ellipse
Super-classes	https://w3id.org/geosrs/projection/AitoffProjection

11.8. Class: geosrs:AlbersEqualAreaProjection

Table 74

URI	https://w3id.org/geosrs/projection/AlbersEqualAreaProjection
Super-classes	https://w3id.org/geosrs/projection/AlbersEqualAreaProjection

11.9. Class: geosrs:AmericanPolyconicProjection

Table 75

URI	https://w3id.org/geosrs/projection/AmericanPolyconicProjection
Super-classes	https://w3id.org/geosrs/projection/AmericanPolyconicProjection

11.10. Class: geosrs:ApianGlobularIProjection

Table 76

URI	https://w3id.org/geosrs/projection/ApianGlobularIProjection
Super-classes	https://w3id.org/geosrs/projection/ApianGlobularIProjection

11.11. Class: geosrs:ApianIIProjection

Table 77

URI	https://w3id.org/geosrs/projection/ApianIIProjection
Super-classes	https://w3id.org/geosrs/projection/ApianIIProjection

11.12. Class: geosrs:ArchaicProjection

Table 78

URI	https://w3id.org/geosrs/projection/ArchaicProjection

11.13. Class: geosrs:ArdenCloseProjection

Table 79

URI	https://w3id.org/geosrs/projection/ArdenCloseProjection
Super-classes	https://w3id.org/geosrs/projection/ArdenCloseProjection

11.14. Class: geosrs:ArmadilloProjection

Table 80

URI	https://w3id.org/geosrs/projection/ArmadilloProjection
Super-classes	https://w3id.org/geosrs/projection/ArmadilloProjection

11.15. Class: geosrs:AtlantisProjection

Table 81

URI	https://w3id.org/geosrs/projection/AtlantisProjection
Super-classes	https://w3id.org/geosrs/projection/AtlantisProjection

11.16. Class: geosrs:AugustEpicycloidalProjection

Table 82

URI	https://w3id.org/geosrs/projection/AugustEpicycloidalProjection
Definition	A projection in which every angle between two curves that crosss each other on a celestical body is preserved in the image of the projection
Super-classes	https://w3id.org/geosrs/projection/AugustEpicycloidalProjection

11.17. Class: geosrs:AuthaGraphProjection

Table 83

URI	https://w3id.org/geosrs/projection/AuthaGraphProjection
Super-classes	https://w3id.org/geosrs/projection/AuthaGraphProjection

11.18. Class: geosrs:AzimuthalEqualAreaProjection

Table 84

| URI | https://w3id.org/geosrs/projection/AzimuthalEqualAreaProjection |
| Super-classes | https://w3id.org/geosrs/projection/AzimuthalEqualAreaProjection |

11.19. Class: geosrs:AzimuthalEquidistantProjection

Table 85

| URI | https://w3id.org/geosrs/projection/AzimuthalEquidistantProjection |
| Super-classes | https://w3id.org/geosrs/projection/AzimuthalEquidistantProjection |

11.20. Class: geosrs:AzimuthalProjection

Table 86

| URI | https://w3id.org/geosrs/projection/AzimuthalProjection |

11.21. Class: geosrs:BSAMCylindricalProjection

Table 87

| URI | https://w3id.org/geosrs/projection/BSAMCylindricalProjection |
| Super-classes | https://w3id.org/geosrs/projection/BSAMCylindricalProjection |

11.22. Class: geosrs:BaconGlobularProjection

Table 88

URI	https://w3id.org/geosrs/projection/BaconGlobularProjection
Super-classes	https://w3id.org/geosrs/projection/BaconGlobularProjection

11.23. Class: geosrs:BakerDinomicProjection

Table 89

URI	https://w3id.org/geosrs/projection/BakerDinomicProjection
Super-classes	https://w3id.org/geosrs/projection/BakerDinomicProjection

11.24. Class: geosrs:BalthasartProjection

Table 90

URI	https://w3id.org/geosrs/projection/BalthasartProjection
Definition	A cylindrical equal-area projection that uses a standard parallel of phi_s=50 degrees
Super-classes	https://w3id.org/geosrs/projection/BalthasartProjection

11.25. Class: geosrs:BaranyiIIIProjection

Table 91

URI	https://w3id.org/geosrs/projection/BaranyiIIIProjection
Super-classes	https://w3id.org/geosrs/projection/BaranyiIIIProjection

11.26. Class: geosrs:BaranyiIIProjection

Table 92

URI	https://w3id.org/geosrs/projection/BaranyiIIProjection
Super-classes	https://w3id.org/geosrs/projection/BaranyiIIProjection

11.27. Class: geosrs:BaranyiIProjection

Table 93

URI	https://w3id.org/geosrs/projection/BaranyiIProjection
Super-classes	https://w3id.org/geosrs/projection/BaranyiIProjection

11.28. Class: geosrs:BaranyiIVProjection

Table 94

URI	https://w3id.org/geosrs/projection/BaranyiIVProjection
Super-classes	https://w3id.org/geosrs/projection/BaranyiIVProjection

11.29. Class: geosrs:BartholomewProjection

Table 95

URI	https://w3id.org/geosrs/projection/BartholomewProjection
Super-classes	https://w3id.org/geosrs/projection/BartholomewProjection

11.30. Class: geosrs:BehrmannProjection

Table 96

URI	https://w3id.org/geosrs/projection/BehrmannProjection
Definition	A cylindrical equal-area map projection with standard parallels set at 30° north and south
Super-classes	https://w3id.org/geosrs/projection/BehrmannProjection

11.31. Class: geosrs:BerghausStarProjection

Table 97

URI	https://w3id.org/geosrs/projection/BerghausStarProjection
Super-classes	https://w3id.org/geosrs/projection/BerghausStarProjection

11.32. Class: geosrs:BertinProjection

Table 98

URI	https://w3id.org/geosrs/projection/BertinProjection
Super-classes	https://w3id.org/geosrs/projection/BertinProjection

11.33. Class: geosrs:BipolarObliqueConicConformalProjection

Table 99

URI	https://w3id.org/geosrs/projection/ BipolarObliqueConicConformalProjection
Super-classes	https://w3id.org/geosrs/projection/ BipolarObliqueConicConformalProjection

11.34. Class: geosrs:BoggsEumorphicProjection

Table 100

URI	https://w3id.org/geosrs/projection/ BoggsEumorphicProjection
Super-classes	https://w3id.org/geosrs/projection/ BoggsEumorphicProjection

11.35. Class: geosrs:BonneProjection

Table 101

URI	https://w3id.org/geosrs/projection/BonneProjection
Super-classes	https://w3id.org/geosrs/projection/BonneProjection

11.36. Class: geosrs:BottomleyProjection

Table 102

URI	https://w3id.org/geosrs/projection/BottomleyProjection
Super-classes	https://w3id.org/geosrs/projection/BottomleyProjection

11.37. Class: geosrs:BraunPerspectiveProjection

Table 103

URI	https://w3id.org/geosrs/projection/BraunPerspectiveProjection
Super-classes	https://w3id.org/geosrs/projection/BraunPerspectiveProjection

11.38. Class: geosrs:BraunStereographicProjection

Table 104

URI	https://w3id.org/geosrs/projection/BraunStereographicProjection
Super-classes	https://w3id.org/geosrs/projection/BraunStereographicProjection

11.39. Class: geosrs:BreusingGeometricProjection

Table 105

URI	https://w3id.org/geosrs/projection/BreusingGeometricProjection

Super-classes	https://w3id.org/geosrs/projection/BreusingGeometricProjection

11.40. Class: geosrs:BreusingHarmonicProjection

Table 106

URI	https://w3id.org/geosrs/projection/BreusingHarmonicProjection
Super-classes	https://w3id.org/geosrs/projection/BreusingHarmonicProjection

11.41. Class: geosrs:BriesemeisterProjection

Table 107

URI	https://w3id.org/geosrs/projection/BriesemeisterProjection
Super-classes	https://w3id.org/geosrs/projection/BriesemeisterProjection

11.42. Class: geosrs:BromleyProjection

Table 108

URI	https://w3id.org/geosrs/projection/BromleyProjection
Super-classes	https://w3id.org/geosrs/projection/BromleyProjection

11.43. Class: geosrs:CabotProjection

Table 109

| URI | https://w3id.org/geosrs/projection/CabotProjection |
| Super-classes | https://w3id.org/geosrs/projection/CabotProjection |

11.44. Class: geosrs:CahillKeyesProjection

Table 110

| URI | https://w3id.org/geosrs/projection/CahillKeyesProjection |
| Super-classes | https://w3id.org/geosrs/projection/CahillKeyesProjection |

11.45. Class: geosrs:CassiniProjection

Table 111

URI	https://w3id.org/geosrs/projection/CassiniProjection
Definition	A map projection first described in an approximate form by César-François Cassini de Thury in 1745
Super-classes	https://w3id.org/geosrs/projection/CassiniProjection

11.46. Class: geosrs:CentralConicProjection

Table 112

| URI | https://w3id.org/geosrs/projection/CentralConicProjection |
| Super-classes | https://w3id.org/geosrs/projection/CentralConicProjection |

11.47. Class: geosrs:CentralCylindricalProjection

Table 113

URI	https://w3id.org/geosrs/projection/CentralCylindricalProjection
Super-classes	https://w3id.org/geosrs/projection/CentralCylindricalProjection

11.48. Class: geosrs:ChamberlinTrimetricProjection

Table 114

URI	https://w3id.org/geosrs/projection/ChamberlinTrimetricProjection
Super-classes	https://w3id.org/geosrs/projection/ChamberlinTrimetricProjection

11.49. Class: geosrs:CiriclProjection

Table 115

URI	https://w3id.org/geosrs/projection/CiriclProjection
Super-classes	https://w3id.org/geosrs/projection/CiriclProjection

11.50. Class: geosrs:CollignonButterflyProjection

Table 116

URI	https://w3id.org/geosrs/projection/CollignonButterflyProjection

Super-classes	https://w3id.org/geosrs/projection/ CollignonButterflyProjection

11.51. Class: geosrs:CollignonProjection

Table 117

URI	https://w3id.org/geosrs/projection/CollignonProjection
Definition	An equal-area pseudocylindrical projection that maps the sphere onto a triangle or diamond
Super-classes	https://w3id.org/geosrs/projection/CollignonProjection

11.52. Class: geosrs:ColombiaUrbanProjection

Table 118

URI	https://w3id.org/geosrs/projection/ ColombiaUrbanProjection

11.53. Class: geosrs:CompactMillerProjection

Table 119

URI	https://w3id.org/geosrs/projection/ CompactMillerProjection
Super-classes	https://w3id.org/geosrs/projection/ CompactMillerProjection

11.54. Class: geosrs:CompromiseProjection

Table 120

URI	https://w3id.org/geosrs/projection/CompromiseProjection

11.55. Class: geosrs:ConformalProjection

Table 121

URI	https://w3id.org/geosrs/projection/ConformalProjection

11.56. Class: geosrs:ConicalProjection

Table 122

URI	https://w3id.org/geosrs/projection/ConicalProjection

11.57. Class: geosrs:CordiformProjection

Table 123

URI	https://w3id.org/geosrs/projection/CordiformProjection

11.58. Class: geosrs:CoxConformalProjection

Table 124

URI	https://w3id.org/geosrs/projection/CoxConformalProjection
Super-classes	https://w3id.org/geosrs/projection/CoxConformalProjection

11.59. Class: geosrs:CraigRetroazimuthalProjection

Table 125

URI	https://w3id.org/geosrs/projection/CraigRetroazimuthalProjection
Super-classes	https://w3id.org/geosrs/projection/CraigRetroazimuthalProjection

11.60. Class: geosrs:CrasterParabolicProjection

Table 126

URI	https://w3id.org/geosrs/projection/CrasterParabolicProjection
Super-classes	https://w3id.org/geosrs/projection/CrasterParabolicProjection

11.61. Class: geosrs:CupolaProjection

Table 127

URI	https://w3id.org/geosrs/projection/CupolaProjection
Super-classes	https://w3id.org/geosrs/projection/CupolaProjection

11.62. Class: geosrs:CylindricalEqualArea

Table 128

URI	https://w3id.org/geosrs/projection/CylindricalEqualArea

Super-classes	https://w3id.org/geosrs/projection/CylindricalEqualArea

11.63. Class: geosrs:CylindricalProjection

Table 129

URI	https://w3id.org/geosrs/projection/CylindricalProjection

11.64. Class: geosrs:CylindricalStereographicProjection

Table 130

URI	https://w3id.org/geosrs/projection/CylindricalStereographicProjection
Super-classes	https://w3id.org/geosrs/projection/CylindricalStereographicProjection

11.65. Class: geosrs:DeakinMinimumErrorProjection

Table 131

URI	https://w3id.org/geosrs/projection/DeakinMinimumErrorProjection
Super-classes	https://w3id.org/geosrs/projection/DeakinMinimumErrorProjection

11.66. Class: geosrs:DedistortProjection

Table 132

URI	https://w3id.org/geosrs/projection/DedistortProjection
Super-classes	https://w3id.org/geosrs/projection/DedistortProjection

11.67. Class: geosrs:DenoyerSemiEllipticalProjection

Table 133

URI	https://w3id.org/geosrs/projection/DenoyerSemiEllipticalProjection
Super-classes	https://w3id.org/geosrs/projection/DenoyerSemiEllipticalProjection

11.68. Class: geosrs:DietrichKitadaProjection

Table 134

URI	https://w3id.org/geosrs/projection/DietrichKitadaProjection
Super-classes	https://w3id.org/geosrs/projection/DietrichKitadaProjection

11.69. Class: geosrs:DodecahedralProjection

Table 135

URI	https://w3id.org/geosrs/projection/DodecahedralProjection
Super-classes	https://w3id.org/geosrs/projection/DodecahedralProjection

11.70. Class: geosrs:DymaxionProjection

Table 136

URI	https://w3id.org/geosrs/projection/DymaxionProjection
Super-classes	https://w3id.org/geosrs/projection/DymaxionProjection

11.71. Class: geosrs:Eckert1Projection

Table 137

URI	https://w3id.org/geosrs/projection/Eckert1Projection
Super-classes	https://w3id.org/geosrs/projection/Eckert1Projection

11.72. Class: geosrs:Eckert2Projection

Table 138

URI	https://w3id.org/geosrs/projection/Eckert2Projection
Super-classes	https://w3id.org/geosrs/projection/Eckert2Projection

11.73. Class: geosrs:Eckert3Projection

Table 139

URI	https://w3id.org/geosrs/projection/Eckert3Projection

Super-classes	https://w3id.org/geosrs/projection/Eckert3Projection

11.74. Class: geosrs:Eckert4Projection

Table 140

URI	https://w3id.org/geosrs/projection/Eckert4Projection
Super-classes	https://w3id.org/geosrs/projection/Eckert4Projection

11.75. Class: geosrs:Eckert5Projection

Table 141

URI	https://w3id.org/geosrs/projection/Eckert5Projection
Super-classes	https://w3id.org/geosrs/projection/Eckert5Projection

11.76. Class: geosrs:Eckert6Projection

Table 142

URI	https://w3id.org/geosrs/projection/Eckert6Projection
Super-classes	https://w3id.org/geosrs/projection/Eckert6Projection

11.77. Class: geosrs:EisenlohrProjection

| URI | https://w3id.org/geosrs/projection/EisenlohrProjection |
| Super-classes | https://w3id.org/geosrs/projection/EisenlohrProjection |

11.78. Class: geosrs:EqualAreaProjection

| URI | https://w3id.org/geosrs/projection/EqualAreaProjection |

11.79. Class: geosrs:EqualEarthProjection

| URI | https://w3id.org/geosrs/projection/EqualEarthProjection |
| Super-classes | https://w3id.org/geosrs/projection/EqualEarthProjection |

11.80. Class: geosrs:EquallySpacedParallelsProjection

| URI | https://w3id.org/geosrs/projection/EquallySpacedParallelsProjection |

11.81. Class: geosrs:EquidistantConicProjection

Table 147

URI	https://w3id.org/geosrs/projection/EquidistantConicProjection
Super-classes	https://w3id.org/geosrs/projection/EquidistantConicProjection

11.82. Class: geosrs:EquidistantCylindricalProjection

Table 148

URI	https://w3id.org/geosrs/projection/EquidistantCylindricalProjection
Super-classes	https://w3id.org/geosrs/projection/EquidistantCylindricalProjection

11.83. Class: geosrs:EquidistantProjection

Table 149

URI	https://w3id.org/geosrs/projection/EquidistantProjection

11.84. Class: geosrs:EquirectangularProjection

Table 150

URI	https://w3id.org/geosrs/projection/EquirectangularProjection
Super-classes	https://w3id.org/geosrs/projection/EquirectangularProjection

11.85. Class: geosrs:FaheyProjection

Table 151

URI	https://w3id.org/geosrs/projection/FaheyProjection
Super-classes	https://w3id.org/geosrs/projection/FaheyProjection

11.86. Class: geosrs:FairgrieveProjection

Table 152

URI	https://w3id.org/geosrs/projection/FairgrieveProjection
Super-classes	https://w3id.org/geosrs/projection/FairgrieveProjection

11.87. Class: geosrs:FoucautProjection

Table 153

URI	https://w3id.org/geosrs/projection/FoucautProjection
Super-classes	https://w3id.org/geosrs/projection/FoucautProjection

11.88. Class: geosrs:FoucautSinusoidalProjection

Table 154

URI	https://w3id.org/geosrs/projection/FoucautSinusoidalProjection

Super-classes	https://w3id.org/geosrs/projection/FoucautSinusoidalProjection

11.89. Class: geosrs:FournierGlobularIProjection

Table 155

URI	https://w3id.org/geosrs/projection/FournierGlobularIProjection
Super-classes	https://w3id.org/geosrs/projection/FournierGlobularIProjection

11.90. Class: geosrs:FournierIIProjection

Table 156

URI	https://w3id.org/geosrs/projection/FournierIIProjection
Super-classes	https://w3id.org/geosrs/projection/FournierIIProjection

11.91. Class: geosrs:FranculaIIIProjection

Table 157

URI	https://w3id.org/geosrs/projection/FranculaIIIProjection
Super-classes	https://w3id.org/geosrs/projection/FranculaIIIProjection

11.92. Class: geosrs:FranculaIVProjection

Table 158

URI	https://w3id.org/geosrs/projection/FranculaIVProjection
Super-classes	https://w3id.org/geosrs/projection/FranculaIVProjection

11.93. Class: geosrs:FranculaIXProjection

Table 159

URI	https://w3id.org/geosrs/projection/FranculaIXProjection
Super-classes	https://w3id.org/geosrs/projection/FranculaIXProjection

11.94. Class: geosrs:FranculaVIIIProjection

Table 160

URI	https://w3id.org/geosrs/projection/FranculaVIIIProjection
Super-classes	https://w3id.org/geosrs/projection/FranculaVIIIProjection

11.95. Class: geosrs:FranculaVProjection

Table 161

URI	https://w3id.org/geosrs/projection/FranculaVProjection
Super-classes	https://w3id.org/geosrs/projection/FranculaVProjection

11.96. Class: geosrs:FranculaXIIIProjection

Table 162

URI	https://w3id.org/geosrs/projection/FranculaXIIIProjection
Super-classes	https://w3id.org/geosrs/projection/FranculaXIIIProjection

11.97. Class: geosrs:FranculaXIIProjection

Table 163

URI	https://w3id.org/geosrs/projection/FranculaXIIProjection
Super-classes	https://w3id.org/geosrs/projection/FranculaXIIProjection

11.98. Class: geosrs:FranculaXIVProjection

Table 164

URI	https://w3id.org/geosrs/projection/FranculaXIVProjection
Super-classes	https://w3id.org/geosrs/projection/FranculaXIVProjection

11.99. Class: geosrs:GS50Projection

Table 165

URI	https://w3id.org/geosrs/projection/GS50Projection

Super-classes	https://w3id.org/geosrs/projection/GS50Projection

11.100. Class: geosrs:GallIsographicProjection

Table 166

URI	https://w3id.org/geosrs/projection/GallIsographicProjection

11.101. Class: geosrs:GallPetersProjection

Table 167

URI	https://w3id.org/geosrs/projection/GallPetersProjection
Super-classes	https://w3id.org/geosrs/projection/GallPetersProjection

11.102. Class: geosrs:GallStereographicProjection

Table 168

URI	https://w3id.org/geosrs/projection/GallStereographicProjection
Super-classes	https://w3id.org/geosrs/projection/GallStereographicProjection

11.103. Class: geosrs:GaussKruegerProjection

Table 169

URI	https://w3id.org/geosrs/projection/GaussKruegerProjection
Super-classes	https://w3id.org/geosrs/projection/GaussKruegerProjection

11.104. Class: geosrs:GeneralVerticalPerspectiveProjection

Table 170

URI	https://w3id.org/geosrs/projection/GeneralVerticalPerspectiveProjection
Super-classes	https://w3id.org/geosrs/projection/GeneralVerticalPerspectiveProjection

11.105. Class: geosrs:GilbertTwoWorldPerspectiveProjection

Table 171

URI	https://w3id.org/geosrs/projection/GilbertTwoWorldPerspectiveProjection
Super-classes	https://w3id.org/geosrs/projection/GilbertTwoWorldPerspectiveProjection

11.106. Class: geosrs:GingeryProjection

Table 172

URI	https://w3id.org/geosrs/projection/GingeryProjection

11.107. Class: geosrs:GinzburgIIProjection

Table 173

URI	https://w3id.org/geosrs/projection/GinzburgIIProjection
Super-classes	https://w3id.org/geosrs/projection/GinzburgIIProjection

11.108. Class: geosrs:GinzburgIProjection

Table 174

URI	https://w3id.org/geosrs/projection/GinzburgIProjection
Super-classes	https://w3id.org/geosrs/projection/GinzburgIProjection

11.109. Class: geosrs:GinzburgIVProjection

Table 175

URI	https://w3id.org/geosrs/projection/GinzburgIVProjection
Super-classes	https://w3id.org/geosrs/projection/GinzburgIVProjection

11.110. Class: geosrs:GinzburgIXProjection

Table 176

URI	https://w3id.org/geosrs/projection/GinzburgIXProjection

| Super-classes | https://w3id.org/geosrs/projection/GinzburgIXProjection |

11.111. Class: geosrs:GinzburgVIIIProjection

Table 177

URI	https://w3id.org/geosrs/projection/GinzburgVIIIProjection
Super-classes	https://w3id.org/geosrs/projection/GinzburgVIIIProjection

11.112. Class: geosrs:GinzburgVIProjection

Table 178

URI	https://w3id.org/geosrs/projection/GinzburgVIProjection
Super-classes	https://w3id.org/geosrs/projection/GinzburgVIProjection

11.113. Class: geosrs:GinzburgVProjection

Table 179

URI	https://w3id.org/geosrs/projection/GinzburgVProjection
Super-classes	https://w3id.org/geosrs/projection/GinzburgVProjection

11.114. Class: geosrs:GlobularProjection

URI	https://w3id.org/geosrs/projection/GlobularProjection

11.115. Class: geosrs:GnomonicButterflyProjection

Table 181

URI	https://w3id.org/geosrs/projection/ GnomonicButterflyProjection
Super-classes	https://w3id.org/geosrs/projection/ GnomonicButterflyProjection

11.116. Class: geosrs:GnomonicCubedSphereProjection

Table 182

URI	https://w3id.org/geosrs/projection/ GnomonicCubedSphereProjection
Super-classes	https://w3id.org/geosrs/projection/ GnomonicCubedSphereProjection

11.117. Class: geosrs:GnomonicIcosahedronProjection

Table 183

URI	https://w3id.org/geosrs/projection/ GnomonicIcosahedronProjection
Super-classes	https://w3id.org/geosrs/projection/ GnomonicIcosahedronProjection

11.118. Class: geosrs:GnomonicProjection

Table 184

URI	https://w3id.org/geosrs/projection/GnomonicProjection
Super-classes	https://w3id.org/geosrs/projection/GnomonicProjection

11.119. Class: geosrs:GoodeHomolosineProjection

Table 185

URI	https://w3id.org/geosrs/projection/GoodeHomolosineProjection
Super-classes	https://w3id.org/geosrs/projection/GoodeHomolosineProjection

11.120. Class: geosrs:GottWagnerProjection

Table 186

URI	https://w3id.org/geosrs/projection/GottWagnerProjection
Super-classes	https://w3id.org/geosrs/projection/GottWagnerProjection

11.121. Class: geosrs:GringortenProjection

Table 187

URI	https://w3id.org/geosrs/projection/GringortenProjection

| Super-classes | https://w3id.org/geosrs/projection/ConformalProjection |
| | https://w3id.org/geosrs/projection/EqualAreaProjection |

11.122. Class: geosrs:GringortenQuincuncialProjection

Table 188

| URI | https://w3id.org/geosrs/projection/ |
| | GringortenQuincuncialProjection |

11.123. Class: geosrs:GuyouProjection

Table 189

| URI | https://w3id.org/geosrs/projection/GuyouProjection |
| Super-classes | https://w3id.org/geosrs/projection/GuyouProjection |

11.124. Class: geosrs:HEALPixProjection

Table 190

| URI | https://w3id.org/geosrs/projection/HEALPixProjection |
| Super-classes | https://w3id.org/geosrs/projection/HEALPixProjection |

11.125. Class: geosrs:HammerProjection

Table 191

| URI | https://w3id.org/geosrs/projection/HammerProjection |
| Super-classes | https://w3id.org/geosrs/projection/HammerProjection |

11.126. Class: geosrs:HammerRetroazimuthalProjection

Table 192

| URI | https://w3id.org/geosrs/projection/HammerRetroazimuthalProjection |
| Super-classes | https://w3id.org/geosrs/projection/HammerRetroazimuthalProjection |

11.127. Class: geosrs:HamusoidalProjection

Table 193

| URI | https://w3id.org/geosrs/projection/HamusoidalProjection |
| Super-classes | https://w3id.org/geosrs/projection/HamusoidalProjection |

11.128. Class: geosrs:HatanoAsymmetricalEqualAreaProjection

Table 194

| URI | https://w3id.org/geosrs/projection/HatanoAsymmetricalEqualAreaProjection |
| Super-classes | https://w3id.org/geosrs/projection/HatanoAsymmetricalEqualAreaProjection |

11.129. Class: geosrs:HerschelConformalConicProjection

Table 195

URI	https://w3id.org/geosrs/projection/ HerschelConformalConicProjection
Super-classes	https://w3id.org/geosrs/projection/ HerschelConformalConicProjection

11.130. Class: geosrs:HillEucyclicProjection

Table 196

URI	https://w3id.org/geosrs/projection/HillEucyclicProjection
Super-classes	https://w3id.org/geosrs/projection/HillEucyclicProjection

11.131. Class: geosrs:HoboDyerProjection

Table 197

URI	https://w3id.org/geosrs/projection/HoboDyerProjection
Super-classes	https://w3id.org/geosrs/projection/HoboDyerProjection

11.132. Class: geosrs:HufnagelIIIProjection

Table 198

URI	https://w3id.org/geosrs/projection/HufnagelIIIProjection

11.133. Class: geosrs:HufnagelIIIProjection

Table 199

URI	https://w3id.org/geosrs/projection/HufnagelIIIProjection

11.134. Class: geosrs:HufnagelIIProjection

Table 200

URI	https://w3id.org/geosrs/projection/HufnagelIIProjection

11.135. Class: geosrs:HufnagelIVProjection

Table 201

URI	https://w3id.org/geosrs/projection/HufnagelIVProjection

11.136. Class: geosrs:HufnagelIXProjection

Table 202

URI	https://w3id.org/geosrs/projection/HufnagelIXProjection

11.137. Class: geosrs:HufnagelProjection

Table 203

URI	https://w3id.org/geosrs/projection/HufnagelProjection
Super-classes	https://w3id.org/geosrs/projection/HufnagelProjection

11.138. Class: geosrs:HufnagelVIIIProjection

Table 204

URI	https://w3id.org/geosrs/projection/HufnagelVIIIProjection

11.139. Class: geosrs:HufnagelVIIProjection

Table 205

URI	https://w3id.org/geosrs/projection/HufnagelVIIProjection

11.140. Class: geosrs:HufnagelVIProjection

Table 206

URI	https://w3id.org/geosrs/projection/HufnagelVIProjection

11.141. Class: geosrs:HufnagelVProjection

Table 207

URI	https://w3id.org/geosrs/projection/HufnagelVProjection

11.142. Class: geosrs:HufnagelXIIProjection

Table 208

URI	https://w3id.org/geosrs/projection/HufnagelXIIProjection

11.143. Class: geosrs:HufnagelXIProjection

Table 209

URI	https://w3id.org/geosrs/projection/HufnagelXIProjection

11.144. Class: geosrs:HufnagelXProjection

Table 210

URI	https://w3id.org/geosrs/projection/HufnagelXProjection

11.145. Class: geosrs:IcosahedralProjection

Table 211

URI	https://w3id.org/geosrs/projection/IcosahedralProjection
Super-classes	https://w3id.org/geosrs/projection/IcosahedralProjection

11.146. Class: geosrs:InterruptedGoodeHomolosineOceanicViewProjection

Table 212

URI	https://w3id.org/geosrs/projection/ InterruptedGoodeHomolosineOceanicViewProjection

11.147. Class: geosrs:InterruptedGoodeHomolosineProjection

Table 213

URI	https://w3id.org/geosrs/projection/ InterruptedGoodeHomolosineProjection

11.148. Class: geosrs:InterruptedQuarticAuthalicProjection

Table 214

URI	https://w3id.org/geosrs/projection/ InterruptedQuarticAuthalicProjection
Super-classes	https://w3id.org/geosrs/projection/ InterruptedQuarticAuthalicProjection

11.149. Class: geosrs:JamesAzimuthalProjection

URI	https://w3id.org/geosrs/projection/JamesAzimuthalProjection
Super-classes	https://w3id.org/geosrs/projection/JamesAzimuthalProjection

11.150. Class: geosrs:KamenetskiyIProjection

Table 216

URI	https://w3id.org/geosrs/projection/KamenetskiyIProjection
Super-classes	https://w3id.org/geosrs/projection/KamenetskiyIProjection

11.151. Class: geosrs:KarchenkoShabanovaProjection

Table 217

URI	https://w3id.org/geosrs/projection/KarchenkoShabanovaProjection
Super-classes	https://w3id.org/geosrs/projection/KarchenkoShabanovaProjection

11.152. Class: geosrs:Kavrayskiy7Projection

Table 218

URI	https://w3id.org/geosrs/projection/Kavrayskiy7Projection
Super-classes	https://w3id.org/geosrs/projection/Kavrayskiy7Projection

11.153. Class: geosrs:KissProjection

Table 219

URI	https://w3id.org/geosrs/projection/KissProjection
Super-classes	https://w3id.org/geosrs/projection/KissProjection

11.154. Class: geosrs:Krovak

Table 220

URI	https://w3id.org/geosrs/projection/Krovak
Super-classes	https://w3id.org/geosrs/projection/Krovak

11.155. Class: geosrs:LaHireProjection

Table 221

URI	https://w3id.org/geosrs/projection/LaHireProjection
Super-classes	https://w3id.org/geosrs/projection/LaHireProjection

11.156. Class: geosrs:LabordeProjection

Table 222

URI	https://w3id.org/geosrs/projection/LabordeProjection

Super-classes	https://w3id.org/geosrs/projection/LabordeProjection

11.157. Class: geosrs:LagrangeProjection

Table 223

URI	https://w3id.org/geosrs/projection/LagrangeProjection
Super-classes	https://w3id.org/geosrs/projection/LagrangeProjection

11.158. Class: geosrs:LambertAzimuthalEqualArea

Table 224

URI	https://w3id.org/geosrs/projection/ LambertAzimuthalEqualArea
Super-classes	https://w3id.org/geosrs/projection/ LambertAzimuthalEqualArea

11.159. Class: geosrs:LambertConformalConicProjection

Table 225

URI	https://w3id.org/geosrs/projection/ LambertConformalConicProjection
Super-classes	https://w3id.org/geosrs/projection/ LambertConformalConicProjection

11.160. Class: geosrs:LambertCylindricalEqualAreaProjection

Table 226

URI	https://w3id.org/geosrs/projection/LambertCylindricalEqualAreaProjection
Super-classes	https://w3id.org/geosrs/projection/LambertCylindricalEqualAreaProjection

11.161. Class: geosrs:LarriveeProjection

Table 227

URI	https://w3id.org/geosrs/projection/LarriveeProjection
Super-classes	https://w3id.org/geosrs/projection/LarriveeProjection

11.162. Class: geosrs:LaskowskiProjection

Table 228

URI	https://w3id.org/geosrs/projection/LaskowskiProjection
Super-classes	https://w3id.org/geosrs/projection/LaskowskiProjection

11.163. Class: geosrs:LatLonProjection

Table 229

URI	https://w3id.org/geosrs/projection/LatLonProjection

11.164. Class: geosrs:LeeProjection

Table 230

URI	https://w3id.org/geosrs/projection/LeeProjection
Super-classes	https://w3id.org/geosrs/projection/LeeProjection

11.165. Class: geosrs:LenticularProjection

Table 231

URI	https://w3id.org/geosrs/projection/LenticularProjection

11.166. Class: geosrs:LittrowProjection

Table 232

URI	https://w3id.org/geosrs/projection/LittrowProjection
Super-classes	https://w3id.org/geosrs/projection/LittrowProjection

11.167. Class: geosrs:LonLatProjection

Table 233

URI	https://w3id.org/geosrs/projection/LonLatProjection

11.168. Class: geosrs:LorgnaProjection

Table 234

URI	https://w3id.org/geosrs/projection/LorgnaProjection
Super-classes	https://w3id.org/geosrs/projection/LorgnaProjection

11.169. Class: geosrs:LowryProjection

Table 235

URI	https://w3id.org/geosrs/projection/LowryProjection
Super-classes	https://w3id.org/geosrs/projection/LowryProjection

11.170. Class: geosrs:LoximuthalProjection

Table 236

URI	https://w3id.org/geosrs/projection/LoximuthalProjection
Super-classes	https://w3id.org/geosrs/projection/LoximuthalProjection

11.171. Class: geosrs:MaurerNo73Projection

Table 237

URI	https://w3id.org/geosrs/projection/MaurerNo73Projection

11.172. Class: geosrs:MayrProjection

Table 238

URI	https://w3id.org/geosrs/projection/MayrProjection
Super-classes	https://w3id.org/geosrs/projection/MayrProjection

11.173. Class: geosrs:McBrydeThomasFlatPolarParabolicProjection

Table 239

URI	https://w3id.org/geosrs/projection/McBrydeThomasFlatPolarParabolicProjection
Super-classes	https://w3id.org/geosrs/projection/McBrydeThomasFlatPolarParabolicProjection

11.174. Class: geosrs:McBrydeThomasFlatPolarQuarticProjection

Table 240

URI	https://w3id.org/geosrs/projection/McBrydeThomasFlatPolarQuarticProjection
Super-classes	https://w3id.org/geosrs/projection/McBrydeThomasFlatPolarQuarticProjection

11.175. Class: geosrs:McBrydeThomasFlatPolarSinusoidalProjection

Table 241

URI	https://w3id.org/geosrs/projection/ McBrydeThomasFlatPolarSinusoidalProjection
Super-classes	https://w3id.org/geosrs/projection/ McBrydeThomasFlatPolarSinusoidalProjection

11.176. Class: geosrs:McBrydeThomasIIProjection

Table 242

URI	https://w3id.org/geosrs/projection/ McBrydeThomasIIProjection
Super-classes	https://w3id.org/geosrs/projection/ McBrydeThomasIIProjection

11.177. Class: geosrs:McBrydeThomasIProjection

Table 243

URI	https://w3id.org/geosrs/projection/ McBrydeThomasIProjection
Super-classes	https://w3id.org/geosrs/projection/ McBrydeThomasIProjection

11.178. Class: geosrs:MercatorProjection

Table 244

URI	https://w3id.org/geosrs/projection/MercatorProjection
Super-classes	https://w3id.org/geosrs/projection/MercatorProjection

11.179. Class: geosrs:MillerOblatedStereographicProjection

Table 245

URI	https://w3id.org/geosrs/projection/ MillerOblatedStereographicProjection
Super-classes	https://w3id.org/geosrs/projection/ MillerOblatedStereographicProjection

11.180. Class: geosrs:MillerProjection

Table 246

URI	https://w3id.org/geosrs/projection/MillerProjection
Super-classes	https://w3id.org/geosrs/projection/MillerProjection

11.181. Class: geosrs:MinimumErrorProjection

Table 247

URI	https://w3id.org/geosrs/projection/ MinimumErrorProjection

11.182. Class: geosrs:MollweideProjection

Table 248

URI	https://w3id.org/geosrs/projection/MollweideProjection
Super-classes	https://w3id.org/geosrs/projection/EqualAreaProjection https://w3id.org/geosrs/projection/PseudoCylindricalProjection

11.183. Class: geosrs:MurdochIIIProjection

Table 249

URI	https://w3id.org/geosrs/projection/MurdochIIIProjection
Super-classes	https://w3id.org/geosrs/projection/MurdochIIIProjection

11.184. Class: geosrs:MurdochIIProjection

Table 250

URI	https://w3id.org/geosrs/projection/MurdochIIProjection
Super-classes	https://w3id.org/geosrs/projection/MurdochIIProjection

11.185. Class: geosrs:MurdochIProjection

Table 251

URI	https://w3id.org/geosrs/projection/MurdochIProjection

Super-classes	https://w3id.org/geosrs/projection/MurdochIProjection

11.186. Class: geosrs:MyrahedalProjection

Table 252

URI	https://w3id.org/geosrs/projection/MyrahedalProjection
Super-classes	https://w3id.org/geosrs/projection/MyrahedalProjection

11.187. Class: geosrs:NaturalEarth2Projection

Table 253

URI	https://w3id.org/geosrs/projection/NaturalEarth2Projection
Super-classes	https://w3id.org/geosrs/projection/NaturalEarth2Projection

11.188. Class: geosrs:NaturalEarthProjection

Table 254

URI	https://w3id.org/geosrs/projection/NaturalEarthProjection
Definition	A pseudocylindrical map projection designed by Tom Patterson and introduced in 2008
Super-classes	https://w3id.org/geosrs/projection/NaturalEarthProjection

11.189. Class: geosrs:NellHammerProjection

Table 255

URI	https://w3id.org/geosrs/projection/NellHammerProjection
Super-classes	https://w3id.org/geosrs/projection/NellHammerProjection

11.190. Class: geosrs:NellProjection

Table 256

URI	https://w3id.org/geosrs/projection/NellProjection
Super-classes	https://w3id.org/geosrs/projection/NellProjection

11.191. Class: geosrs:NicolosiGlobularProjection

Table 257

URI	https://w3id.org/geosrs/projection/NicolosiGlobularProjection
Super-classes	https://w3id.org/geosrs/projection/NicolosiGlobularProjection

11.192. Class: geosrs:NordicProjection

Table 258

URI	https://w3id.org/geosrs/projection/NordicProjection

Super-classes	https://w3id.org/geosrs/projection/NordicProjection

11.193. Class: geosrs:ObliqueCylindricalEqualAreaProjection

Table 259

URI	https://w3id.org/geosrs/projection/ObliqueCylindricalEqualAreaProjection
Super-classes	https://w3id.org/geosrs/projection/ObliqueCylindricalEqualAreaProjection

11.194. Class: geosrs:ObliqueMercatorProjection

Table 260

URI	https://w3id.org/geosrs/projection/ObliqueMercatorProjection
Super-classes	https://w3id.org/geosrs/projection/ObliqueMercatorProjection

11.195. Class: geosrs:ObliquePlateCarreeProjection

Table 261

URI	https://w3id.org/geosrs/projection/ObliquePlateCarreeProjection
Super-classes	https://w3id.org/geosrs/projection/ObliquePlateCarreeProjection

11.196. Class: geosrs:ObliqueProjection

Table 262

URI	https://w3id.org/geosrs/projection/ObliqueProjection

11.197. Class: geosrs:ObliqueStereographicProjection

Table 263

URI	https://w3id.org/geosrs/projection/ObliqueStereographicProjection
Super-classes	https://w3id.org/geosrs/projection/ObliqueStereographicProjection

11.198. Class: geosrs:OctantProjection

Table 264

URI	https://w3id.org/geosrs/projection/OctantProjection
Super-classes	https://w3id.org/geosrs/projection/OctantProjection

11.199. Class: geosrs:OrteliusOvalProjection

Table 265

URI	https://w3id.org/geosrs/projection/OrteliusOvalProjection
Super-classes	https://w3id.org/geosrs/projection/OrteliusOvalProjection

11.200. Class: geosrs:OrthographicProjection

Table 266

URI	https://w3id.org/geosrs/projection/OrthographicProjection
Super-classes	https://w3id.org/geosrs/projection/OrthographicProjection

11.201. Class: geosrs:OvalProjection

Table 267

URI	https://w3id.org/geosrs/projection/OvalProjection

11.202. Class: geosrs:PattersonCylindricalProjection

Table 268

URI	https://w3id.org/geosrs/projection/PattersonCylindricalProjection
Super-classes	https://w3id.org/geosrs/projection/PattersonCylindricalProjection

11.203. Class: geosrs:PavlovProjection

Table 269

URI	https://w3id.org/geosrs/projection/PavlovProjection
Super-classes	https://w3id.org/geosrs/projection/PavlovProjection

11.204. Class: geosrs:PeirceQuincuncialProjection

Table 270

URI	https://w3id.org/geosrs/projection/PeirceQuincuncialProjection
Super-classes	https://w3id.org/geosrs/projection/PeirceQuincuncialProjection

11.205. Class: geosrs:PerspectiveConicProjection

Table 271

URI	https://w3id.org/geosrs/projection/PerspectiveConicProjection
Super-classes	https://w3id.org/geosrs/projection/PerspectiveConicProjection

11.206. Class: geosrs:PerspectiveProjection

Table 272

URI	https://w3id.org/geosrs/projection/PerspectiveProjection

11.207. Class: geosrs:PetermannStarProjection

Table 273

URI	https://w3id.org/geosrs/projection/PetermannStarProjection
Super-classes	https://w3id.org/geosrs/projection/PetermannStarProjection

11.208. Class: geosrs:PlateCarreeProjection

Table 274

URI	https://w3id.org/geosrs/projection/PlateCarreeProjection
Super-classes	https://w3id.org/geosrs/projection/PlateCarreeProjection

11.209. Class: geosrs:PoleLineProjection

Table 275

URI	https://w3id.org/geosrs/projection/PoleLineProjection

11.210. Class: geosrs:PolyconicProjection

Table 276

URI	https://w3id.org/geosrs/projection/PolyconicProjection

11.211. Class: geosrs:PolyhedralProjection

Table 277

URI	https://w3id.org/geosrs/projection/PolyhedralProjection

11.212. Class: geosrs:Projection

Table 278

URI	https://w3id.org/geosrs/projection/Projection
Super-classes	https://w3id.org/geosrs/projection/Projection

11.213. Class: geosrs:PseudoAzimuthalProjection

Table 279

URI	https://w3id.org/geosrs/projection/PseudoAzimuthalProjection

11.214. Class: geosrs:PseudoConicalProjection

Table 280

URI	https://w3id.org/geosrs/projection/PseudoConicalProjection

11.215. Class: geosrs:PseudoCylindricalProjection

Table 281

URI	https://w3id.org/geosrs/projection/PseudoCylindricalProjection

11.216. Class: geosrs:PseudoOrthographicProjection

Table 282

URI	https://w3id.org/geosrs/projection/PseudoOrthographicProjection

11.217. Class: geosrs:PtolemyIIProjection

Table 283

URI	https://w3id.org/geosrs/projection/PtolemyIIProjection
Super-classes	https://w3id.org/geosrs/projection/PtolemyIIProjection

11.218. Class: geosrs:PtolemyIProjection

Table 284

URI	https://w3id.org/geosrs/projection/PtolemyIProjection
Super-classes	https://w3id.org/geosrs/projection/PtolemyIProjection

11.219. Class: geosrs:PutninsP1Projection

Table 285

URI	https://w3id.org/geosrs/projection/PutninsP1Projection
Super-classes	https://w3id.org/geosrs/projection/PutninsP1Projection

11.220. Class: geosrs:PutninsP2Projection

Table 286

URI	https://w3id.org/geosrs/projection/PutninsP2Projection
Super-classes	https://w3id.org/geosrs/projection/PutninsP2Projection

11.221. Class: geosrs:PutninsP3Projection

Table 287

URI	https://w3id.org/geosrs/projection/PutninsP3Projection
Super-classes	https://w3id.org/geosrs/projection/PutninsP3Projection

11.222. Class: geosrs:PutninsP5Projection

Table 288

URI	https://w3id.org/geosrs/projection/PutninsP5Projection
Super-classes	https://w3id.org/geosrs/projection/PutninsP5Projection

11.223. Class: geosrs:PutninsP6Projection

Table 289

URI	https://w3id.org/geosrs/projection/PutninsP6Projection

Super-classes	https://w3id.org/geosrs/projection/PutninsP6Projection

11.224. Class: geosrs:QuadrilateralizedSphericalCubeProjection

Table 290

URI	https://w3id.org/geosrs/projection/ QuadrilateralizedSphericalCubeProjection
Super-classes	https://w3id.org/geosrs/projection/ QuadrilateralizedSphericalCubeProjection

11.225. Class: geosrs:QuarticAuthalicProjection

Table 291

URI	https://w3id.org/geosrs/projection/ QuarticAuthalicProjection
Super-classes	https://w3id.org/geosrs/projection/ QuarticAuthalicProjection

11.226. Class: geosrs:RectangularPolyconicProjection

Table 292

URI	https://w3id.org/geosrs/projection/ RectangularPolyconicProjection
Super-classes	https://w3id.org/geosrs/projection/ RectangularPolyconicProjection

11.227. Class: geosrs:RetroazimuthalProjection

Table 293

URI	https://w3id.org/geosrs/projection/ RetroazimuthalProjection

11.228. Class: geosrs:RobinsonProjection

Table 294

URI	https://w3id.org/geosrs/projection/RobinsonProjection
Super-classes	https://w3id.org/geosrs/projection/RobinsonProjection

11.229. Class: geosrs:RoussilheProjection

Table 295

URI	https://w3id.org/geosrs/projection/RoussilheProjection
Super-classes	https://w3id.org/geosrs/projection/RoussilheProjection

11.230. Class: geosrs:SchjerningIProjection

Table 296

URI	https://w3id.org/geosrs/projection/SchjerningIProjection
Super-classes	https://w3id.org/geosrs/projection/SchjerningIProjection

11.231. Class: geosrs:SinusoidalProjection

Table 297

URI	https://w3id.org/geosrs/projection/SinusoidalProjection
Super-classes	https://w3id.org/geosrs/projection/SinusoidalProjection

11.232. Class: geosrs:SmythEqualSurfaceProjection

Table 298

URI	https://w3id.org/geosrs/projection/SmythEqualSurfaceProjection
Super-classes	https://w3id.org/geosrs/projection/SmythEqualSurfaceProjection

11.233. Class: geosrs:SpaceObliqueMercatorProjection

Table 299

URI	https://w3id.org/geosrs/projection/SpaceObliqueMercatorProjection

11.234. Class: geosrs:SpilhausOceanicProjection

Table 300

URI	https://w3id.org/geosrs/projection/SpilhausOceanicProjection
Super-classes	https://w3id.org/geosrs/projection/SpilhausOceanicProjection

11.235. Class: geosrs:StabiusWernerIIIProjection

Table 301

URI	https://w3id.org/geosrs/projection/StabiusWernerIIIProjection
Super-classes	https://w3id.org/geosrs/projection/StabiusWernerIIIProjection

11.236. Class: geosrs:StabiusWernerIIProjection

Table 302

URI	https://w3id.org/geosrs/projection/StabiusWernerIIProjection
Super-classes	https://w3id.org/geosrs/projection/StabiusWernerIIProjection

11.237. Class: geosrs:StabiusWernerIProjection

Table 303

URI	https://w3id.org/geosrs/projection/StabiusWernerIProjection
Super-classes	https://w3id.org/geosrs/projection/StabiusWernerIProjection

11.238. Class: geosrs:StereographicProjection

Table 304

URI	https://w3id.org/geosrs/projection/StereographicProjection

Super-classes	https://w3id.org/geosrs/projection/ StereographicProjection

11.239. Class: geosrs:Strebe1995Projection

Table 305

URI	https://w3id.org/geosrs/projection/ Strebe1995Projection
Super-classes	https://w3id.org/geosrs/projection/ Strebe1995Projection

11.240. Class: geosrs:TheTimesProjection

Table 306

URI	https://w3id.org/geosrs/projection/TheTimesProjection
Super-classes	https://w3id.org/geosrs/projection/TheTimesProjection

11.241. Class: geosrs:TiltedPerspectiveProjection

Table 307

URI	https://w3id.org/geosrs/projection/ TiltedPerspectiveProjection
Super-classes	https://w3id.org/geosrs/projection/ TiltedPerspectiveProjection

11.242. Class: geosrs:ToblerCylindricalIIProjection

Table 308

URI	https://w3id.org/geosrs/projection/ ToblerCylindricalIIProjection
Super-classes	https://w3id.org/geosrs/projection/ ToblerCylindricalIIProjection

11.243. Class: geosrs:ToblerCylindricalIProjection

Table 309

URI	https://w3id.org/geosrs/projection/ ToblerCylindricalIProjection
Super-classes	https://w3id.org/geosrs/projection/ ToblerCylindricalIProjection

11.244. Class: geosrs:ToblerG1Projection

Table 310

URI	https://w3id.org/geosrs/projection/ToblerG1Projection
Super-classes	https://w3id.org/geosrs/projection/ToblerG1Projection

11.245. Class: geosrs:ToblerHyperellipticalProjection

Table 311

URI	https://w3id.org/geosrs/projection/ ToblerHyperellipticalProjection
Super-classes	https://w3id.org/geosrs/projection/ ToblerHyperellipticalProjection

11.246. Class: geosrs:ToblerWorldInASquareProjection

Table 312

URI	https://w3id.org/geosrs/projection/ToblerWorldInASquareProjection
Super-classes	https://w3id.org/geosrs/projection/ToblerWorldInASquareProjection

11.247. Class: geosrs:TransverseCylindricalEqualAreaProjection

Table 313

URI	https://w3id.org/geosrs/projection/TransverseCylindricalEqualAreaProjection
Super-classes	https://w3id.org/geosrs/projection/TransverseCylindricalEqualAreaProjection

11.248. Class: geosrs:TransverseMercatorProjection

Table 314

URI	https://w3id.org/geosrs/projection/TransverseMercatorProjection
Super-classes	https://w3id.org/geosrs/projection/TransverseMercatorProjection

11.249. Class: geosrs:TrystanEdwardsProjection

Table 315

| URI | https://w3id.org/geosrs/projection/TrystanEdwardsProjection |
| Super-classes | https://w3id.org/geosrs/projection/TrystanEdwardsProjection |

11.250. Class: geosrs:TwoPointEquidistantProjection

Table 316

| URI | https://w3id.org/geosrs/projection/TwoPointEquidistantProjection |
| Super-classes | https://w3id.org/geosrs/projection/TwoPointEquidistantProjection |

11.251. Class: geosrs:UniversalTransverseMercatorProjection

Table 317

| URI | https://w3id.org/geosrs/projection/UniversalTransverseMercatorProjection |

11.252. Class: geosrs:UrmayevIIIProjection

Table 318

| URI | https://w3id.org/geosrs/projection/UrmayevIIIProjection |
| Super-classes | https://w3id.org/geosrs/projection/UrmayevIIIProjection |

11.253. Class: geosrs:VanDerGrintenIIIProjection

Table 319

URI	https://w3id.org/geosrs/projection/VanDerGrintenIIIProjection
Super-classes	https://w3id.org/geosrs/projection/VanDerGrintenIIIProjection

11.254. Class: geosrs:VanDerGrintenIIProjection

Table 320

URI	https://w3id.org/geosrs/projection/VanDerGrintenIIProjection
Super-classes	https://w3id.org/geosrs/projection/VanDerGrintenIIProjection

11.255. Class: geosrs:VanDerGrintenIProjection

Table 321

URI	https://w3id.org/geosrs/projection/VanDerGrintenIProjection
Super-classes	https://w3id.org/geosrs/projection/VanDerGrintenIProjection

11.256. Class: geosrs:VanDerGrintenIVProjection

Table 322

URI	https://w3id.org/geosrs/projection/VanDerGrintenIVProjection

Super-classes	https://w3id.org/geosrs/projection/ VanDerGrintenIVProjection

11.257. Class: geosrs:VerticalPerspectiveProjection

Table 323

URI	https://w3id.org/geosrs/projection/ VerticalPerspectiveProjection
Super-classes	https://w3id.org/geosrs/projection/ VerticalPerspectiveProjection

11.258. Class: geosrs:VitkovskyIProjection

Table 324

URI	https://w3id.org/geosrs/projection/VitkovskyIProjection
Super-classes	https://w3id.org/geosrs/projection/VitkovskyIProjection

11.259. Class: geosrs:WagnerIIIProjection

Table 325

URI	https://w3id.org/geosrs/projection/WagnerIIIProjection
Super-classes	https://w3id.org/geosrs/projection/WagnerIIIProjection

11.260. Class: geosrs:WagnerIIProjection

Table 326

URI	https://w3id.org/geosrs/projection/WagnerIIProjection
Super-classes	https://w3id.org/geosrs/projection/WagnerIIProjection

11.261. Class: geosrs:WagnerIProjection

Table 327

URI	https://w3id.org/geosrs/projection/WagnerIProjection
Super-classes	https://w3id.org/geosrs/projection/WagnerIProjection

11.262. Class: geosrs:WagnerIVProjection

Table 328

URI	https://w3id.org/geosrs/projection/WagnerIVProjection
Super-classes	https://w3id.org/geosrs/projection/WagnerIVProjection

11.263. Class: geosrs:WagnerIXProjection

Table 329

URI	https://w3id.org/geosrs/projection/WagnerIXProjection
Super-classes	https://w3id.org/geosrs/projection/WagnerIXProjection

11.264. Class: geosrs:WagnerVIIIProjection

Table 330

URI	https://w3id.org/geosrs/projection/WagnerVIIIProjection
Super-classes	https://w3id.org/geosrs/projection/WagnerVIIIProjection

11.265. Class: geosrs:WagnerVIIProjection

Table 331

URI	https://w3id.org/geosrs/projection/WagnerVIIProjection
Super-classes	https://w3id.org/geosrs/projection/WagnerVIIProjection

11.266. Class: geosrs:WagnerVIProjection

Table 332

URI	https://w3id.org/geosrs/projection/WagnerVIProjection
Super-classes	https://w3id.org/geosrs/projection/WagnerVIProjection

11.267. Class: geosrs:WagnerVProjection

Table 333

URI	https://w3id.org/geosrs/projection/WagnerVProjection

11.268. Class: geosrs:WatermanButterflyProjection

Table 334

| URI | https://w3id.org/geosrs/projection/WatermanButterflyProjection |
| Super-classes | https://w3id.org/geosrs/projection/WatermanButterflyProjection |

11.269. Class: geosrs:WebMercatorProjection

Table 335

| URI | https://w3id.org/geosrs/projection/WebMercatorProjection |
| Super-classes | https://w3id.org/geosrs/projection/WebMercatorProjection |

11.270. Class: geosrs:WerenskioldIProjection

Table 336

| URI | https://w3id.org/geosrs/projection/WerenskioldIProjection |
| Super-classes | https://w3id.org/geosrs/projection/WerenskioldIProjection |

11.271. Class: geosrs:WernerProjection

Table 337

URI	https://w3id.org/geosrs/projection/WernerProjection
Super-classes	https://w3id.org/geosrs/projection/WernerProjection

11.272. Class: geosrs:WiechelProjection

Table 338

URI	https://w3id.org/geosrs/projection/WiechelProjection
Super-classes	https://w3id.org/geosrs/projection/WiechelProjection

11.273. Class: geosrs:WinkelIIIProjection

Table 339

URI	https://w3id.org/geosrs/projection/WinkelIIIProjection
Super-classes	https://w3id.org/geosrs/projection/WinkelIIIProjection

11.274. Class: geosrs:WinkelIIProjection

Table 340

URI	https://w3id.org/geosrs/projection/WinkelIIProjection
Super-classes	https://w3id.org/geosrs/projection/WinkelIIProjection

11.275. Class: geosrs:WinkelSnyderProjection

Table 341

URI	https://w3id.org/geosrs/projection/WinkelSnyderProjection
Super-classes	https://w3id.org/geosrs/projection/WinkelSnyderProjection

11.276. Class: geosrs:WinkelTripelProjection

Table 342

URI	https://w3id.org/geosrs/projection/WinkelTripelProjection
Super-classes	https://w3id.org/geosrs/projection/WinkelTripelProjection

11.277. Class: geosrs:PutninsP3'Projection

Table 343

URI	https://w3id.org/geosrs/projection/PutninsP3'Projection
Super-classes	https://w3id.org/geosrs/projection/PutninsP3'Projection

11.278. Class: geosrs:PutninsP4'Projection

Table 344

URI	https://w3id.org/geosrs/projection/PutninsP4'Projection

Super-classes	https://w3id.org/geosrs/projection/PutninsP4'Projection

11.279. Class: geosrs:PutninsP5'Projection

Table 345

URI	https://w3id.org/geosrs/projection/PutninsP5'Projection
Super-classes	https://w3id.org/geosrs/projection/PutninsP5'Projection

11.280. Class: geosrs:PutninsP6'Projection

Table 346

URI	https://w3id.org/geosrs/projection/PutninsP6'Projection
Super-classes	https://w3id.org/geosrs/projection/PutninsP6'Projection

11.281. Class: geosrs:MollweideWagnerProjection

Table 347

URI	https://w3id.org/geosrs/projection/ MollweideWagnerProjection

12

PLANET MODULE

12 PLANET MODULE

This clause establishes the **PLANET** Requirements class, with IRI `/req/planet`, which has a corresponding Conformance Class, **PLANET**, with IRI `/conf/planet`.

A

ANNEX A (INFORMATIVE) ALIGNMENTS

A ANNEX A (INFORMATIVE) ALIGNMENTS

Overview

Overview

The prefixes used for the ontologies mapped to in all following sections are given in the following table.

Table A.1 — Alignment: Namespaces

ign:	http://data.ign.fr/def/ignf#
iso19111:	http://def.isotc211.org/iso19112/2019/SpatialReferencingByGeographicIdentifier#
geosrs:	http://www.opengis.net/ont/geosparql#
ifc:	https://standards.buildingsmart.org/IFC/DEV/IFC4/ADD2_TC1/OWL/
owl:	http://www.w3.org/2002/07/owl#
prov:	http://www.w3.org/ns/prov#
rdf:	http://www.w3.org/1999/02/22-rdf-syntax-ns#
rdfs:	http://www.w3.org/2000/01/rdf-schema#

A.1. IGN CRS Ontology

Table A.2 — Alignment: IGN CRS Ontology

FROM ELEMENT	MAPPING RELATION	TO ELEMENT	NOTES
geosrs:CoordinateSystem	owl:equivalentClass	ign:CoordinateSystem	-
geosrs:Datum	owl:equivalentClass	ign:Datum	-
geosrs:Ellipsoid	owl:equivalentClass	ign:Ellipsoid	-

A.2. ISO 19111 Ontology

Table A.3 — Alignment: ISO 19111 Ontology

FROM ELEMENT	MAPPING RELATION	TO ELEMENT	NOTES
geosrs:CoordinateSystem	owl:equivalentClass	iso19111:CoordinateSystem	-
geosrs:Datum	owl:equivalentClass	iso19111:Datum	-
geosrs:Ellipsoid	owl:equivalentClass	iso19111:Ellipsoid	-

A.3. IFCOWL Ontology

Table A.4 — Alignment: IFCOWL Ontology

FROM ELEMENT	MAPPING RELATION	TO ELEMENT	NOTES
geosrs:CRS	owl:equivalentClass	ifc:CoordinateReferenceSystem	-

B

ANNEX B (INFORMATIVE) SHACL SHAPES

B

ANNEX B (INFORMATIVE) SHACL SHAPES

Overview

Overview

C

ANNEX C (INFORMATIVE) REVISION HISTORY

C ANNEX C (INFORMATIVE) REVISION HISTORY

DATE	RELEASE	AUTHOR	PRIMARY CLAUSES MODIFIED	DESCRIPTION
2016-04-28	0.1	G. Editor	all	initial version

BIBLIOGRAPHY

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NOTE: The TC has approved Springer LNCS as the official document citation type. Springer LNCS is widely used in technical and computer science journals and other publications For citations in the text please use square brackets and consecutive numbers: [1], [2], [3] Actual References: [n] Journal: Author Surname, A.: Title. Publication Title. Volume number, Issue number, Pages Used (Year Published)

[1]   ISO: ISO 19142, *Geographic information — Web Feature Service*. International Organization for Standardization, Geneva https://www.iso.org/standard/42136.html.

[2]   W3C: **Data Catalog Vocabulary,** W3C Recommendation 16 January 2014, https://www.w3.org/TR/vocab-dcat/

[3]   IANA: **Link Relation Types,** https://www.iana.org/assignments/link-relations/link-relations.xml

[4]   W3C/OGC: **Spatial Data on the Web Best Practices,** W3C Working Group Note 28 September 2017, https://www.w3.org/TR/sdw-bp/

[5]   W3C: **Data on the Web Best Practices,** W3C Recommendation 31 January 2017, https://www.w3.org/TR/dwbp/

[6]   Ben-Kiki, O., Evans, C., Ingy döt Net: **YAML Ain't Markup Language,** https://yaml.org/

[7]   OGC: **Web Feature Service 2.0,** http://docs.opengeospatial.org/is/09-025r2/09-025r2.html

[8]   Berners-Lee, T., Fielding, R., Masinter, L.: **IETF RFC 3986 — Uniform Resource Identifier (URI): Generic Syntax,** http://tools.ietf.org/rfc/rfc3986.txt