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<Insert Abstract Text here>



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

keyword_1, keyword_2, keyword_3, etc.

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.

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SECURITY CONSIDERATIONS

No security considerations have been made for this Standard.



SUBMITTERS

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

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SOURCE OF THE CONTENT FOR THIS OGC DOCUMENT



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



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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



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



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)



TERMS AND DEFINITIONS



TERMS AND DEFINITIONS

This document uses the terms defined in <u>OGC Policy Directive 49</u>, 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

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 — geosrs:CoordinateSystem

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 — geosrs:CartesianCoordinateSystem

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	<u>P</u>

6.3. Class: geosrs:EllipsoidalCoordinateSystem

Table 3 — geosrs:EllipsoidalCoordinateSystem

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	<u>P</u>

6.4. Class: geosrs:LinearCoordinateSystem

 $\textbf{Table 4} - {\tt geosrs:LinearCoordinateSystem}$

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 — geosrs:OrdinalCoordinateSystem

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

6.6. Class: geosrs:ParametricCoordinateSystem

Table 6 — geosrs:ParametricCoordinateSystem

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 $\underline{\mathsf{G}}$

6.7. Class: geosrs:PolarCoordinateSystem

Table 7 — geosrs:PolarCoordinateSystem

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	G

6.8. Class: geosrs:SphericalCoordinateSystem

Table 8 — geosrs:SphericalCoordinateSystem

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	<u>G</u>

6.9. Class: geosrs:VerticalCoordinateSystem

Table 9 — geosrs:VerticalCoordinateSystem

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 .

6.10. Class: geosrs:CoordinateSystemAxis

Table 10 — geosrs:CoordinateSystemAxis

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 — geosrs:AreaOfUse

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

6.12. Class: geosrs:CRS

Table 12 — geosrs:CRS

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	<u>3</u>

6.13. Class: geosrs:EngineeringCRS

Table 13 — geosrs:EngineeringCRS

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

6.14. Class: geosrs:GeodeticCRS

Table 14 — geosrs:GeodeticCRS

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 — geosrs:GeographicCRS

LIDI	1
URI	https://w3id.org/geosrs/srs/GeographicCRS

6.16. Class: geosrs:ProjectedCRS

Table 16 — geosrs:ProjectedCRS

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 — geosrs:SingleCRS

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 — geosrs:SpatialReferenceSystem

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

6.19. Class: geosrs:CoordinateOperation

Table 19 — geosrs:CoordinateOperation

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[C]

6.20. Class: geosrs:SingleOperation

Table 20 — geosrs:SingleOperation

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

6.21. Class: geosrs:Transformation

Table 21 — geosrs:Transformation

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[C]

6.22. Class: geosrs:Conversion

Table 22 — geosrs:Conversion

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[C]

6.23. Class: geosrs:OperationMethod

Table 23 — geosrs:OperationMethod

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 — geosrs:OperationParameter

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 — geosrs:OperationParameterValue

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 — geosrs:Datum

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 — geosrs:GeodeticDatum

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 — geosrs:PrimeMeridian

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 — geosrs:Ellipsoid

URI	https://w3id.org/geosrs/datum/Ellipsoid
Old	Tittp3:// Wold.org/ geosl3/ datail/ Empsola

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: Vertical Datum

Table 30 — geosrs:VerticalDatum

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[F]

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 <u>geosrs:geosrs:axis</u> 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 <u>geosrs:geosrs:ellipsoid</u> 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



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 <u>geosrs:geosrs:derivingConversion</u> 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:parameter is defined by the following:

8

COORDINATE SYSTEM MODULE

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 — geosrs:1DCoordinateSystem

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	1

8.2. Class: geosrs:3DCoordinateSystem

Table 32 — geosrs:3DCoordinateSystem

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	<u>3</u>

8.3. Class: geosrs:AffineCoordinateSystem

Table 33 — geosrs:AffineCoordinateSystem

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

Definition	Coordinate system in Euclidean space with straight axes that are not necessarily mutually perpendicular
Super-classes	A

8.4. Class: geosrs:BarycentricCoordinateSystem

Table 34 — geosrs:BarycentricCoordinateSystem

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	<u>B</u>

8.5. Class: geosrs:CelestialCoordinateSystem

Table 35 — geosrs:CelestialCoordinateSystem

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

8.6. Class: geosrs:ConicalCoordinateSystem

Table 36 — geosrs:ConicalCoordinateSystem

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	<u>C</u>

8.7. Class: geosrs:CurvilinearCoordinateSystem

Table 37 — geosrs:CurvilinearCoordinateSystem

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	<u>C</u>

8.8. Class: geosrs:CylindricalCoordinateSystem

 $\textbf{Table 38} - \mathsf{geosrs:} Cylindrical Coordinate System$

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	<u>C</u>

8.9. Class: geosrs:EclipticCoordinateSystem

Table 39 — geosrs:EclipticCoordinateSystem

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	<u>E</u>

8.10. Class: geosrs:EngineeringCoordinateSystem

Table 40 — geosrs:EngineeringCoordinateSystem

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 system, an ordinal coordinate system, a polar coordinate system or a spherical coordinate system
Super-classes	<u>E</u>

8.11. Class: geosrs:EquatorialCoordinateSystem

 $\textbf{Table 41}- {\tt geosrs:} Equatorial Coordinate System$

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	<u>E</u>

8.12. Class: geosrs:GalacticCoordinateSystem

Table 42 — geosrs:GalacticCoordinateSystem

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	<u>C</u> <u>3</u>

8.13. Class: geosrs:GeodeticCoordinateSystem

Table 43 — geosrs:GeodeticCoordinateSystem

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	<u>G</u>

8.14. Class: geosrs:GeographicalCoordinateSystem

 $\textbf{Table 44}- {\tt geosrs:} Geographical Coordinate System$

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	<u>S</u> <u>G</u>

8.15. Class: geosrs:GridCoordinateSystem

Table 45 — geosrs:GridCoordinateSystem

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

8.16. Class: geosrs: Hexagonal Coordinate System

Table 46 — geosrs:HexagonalCoordinateSystem

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

8.17. Class: geosrs:HorizontalCoordinateSystem

Table 47 — geosrs:HorizontalCoordinateSystem

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	Н

8.18. Class: geosrs:LocalCoordinateSystem

Table 48 — geosrs:LocalCoordinateSystem

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

8.19. Class: geosrs:ObliqueCoordinateSystem

Table 49 — geosrs:ObliqueCoordinateSystem

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

8.20. Class: geosrs:OrthogonalCoordinateSystem

Table 50 — geosrs:OrthogonalCoordinateSystem

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	<u>O</u>

8.21. Class: geosrs:PerifocalCoordinateSystem

Table 51 — geosrs:PerifocalCoordinateSystem

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	<u>P</u>

8.22. Class: geosrs:PlanarCoordinateSystem

Table 52 — geosrs:PlanarCoordinateSystem

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	<u>P</u>

8.23. Class: geosrs:SkewCoordinateSystem

Table 53 — geosrs:SkewCoordinateSystem

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	<u>S</u>

8.24. Class: geosrs:DateTimeTemporalCoordinateSystem

Table 54 — geosrs:DateTimeTemporalCoordinateSystem

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	D

8.25. Class: geosrs:TemporalCountCoordinateSystem

Table 55 — geosrs:TemporalCountCoordinateSystem

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

8.26. Class: geosrs:TemporalCoordinateSystem

Table 56 — geosrs:TemporalCoordinateSystem

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

8.27. Class: geosrs:TemporalMeasureCoordinateSystem

Table 57 — geosrs:TemporalMeasureCoordinateSystem

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

8.28. Class: geosrs:SuperGalacticCS

Table 58 — geosrs:SuperGalacticCS

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	<u>C</u> <u>3</u>

8.29. Property: geosrs:axisDirection

The class <u>geosrs:geosrs:axisDirection</u> 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



DATUM MODULE

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 — geosrs:DynamicGeodeticReferenceFrame

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

9.2. Class: geosrs:TriaxialEllipsoid

Table 60 — geosrs:TriaxialEllipsoid

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 — geosrs:DynamicVerticalDatum

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	D

9.4. Class: geosrs:ParametricDatum

Table 62 — geosrs:ParametricDatum

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	<u>P</u>

9.5. Class: geosrs:DefiningParameter

Table 63 — geosrs:DefiningParameter

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 — geosrs:EngineeringDatum

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	E

9.7. Class: geosrs:TemporalDatum

Table 65 — geosrs:TemporalDatum

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	I

9.8. Class: geosrs:DatumEnsemble

Table 66 — geosrs:DatumEnsemble

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.



SRS APPLICATION MODULE



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.



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 — geosrs:A4Projection

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

11.2. Class: geosrs:AdamsProjection

Table 68 — geosrs:AdamsProjection

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

11.3. Class: geosrs:AdamsWorldInASquareIIProjection

Table 69 — geosrs:AdamsWorldInASquareIIProjection

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

11.4. Class: geosrs:AdamsWorldInASquareIProjection

Table 70 — geosrs:AdamsWorldInASquareIProjection

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

11.5. Class: geosrs:AiryProjection

Table 71 — geosrs:AiryProjection

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	A

11.6. Class: geosrs:AitoffObliqueProjection

Table 72 — geosrs:AitoffObliqueProjection

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

11.7. Class: geosrs:AitoffProjection

Table 73 — geosrs:AitoffProjection

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

11.8. Class: geosrs:AlbersEqualAreaProjection

Table 74 — geosrs:AlbersEqualAreaProjection

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

11.9. Class: geosrs:AmericanPolyconicProjection

Table 75 — geosrs:AmericanPolyconicProjection

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

11.10. Class: geosrs: Apian Globular I Projection

Table 76 — geosrs:ApianGlobularlProjection

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

11.11. Class: geosrs:ApianIIProjection

Table 77 — geosrs:ApianIIProjection

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

11.12. Class: geosrs:ArchaicProjection

Table 78 — geosrs:ArchaicProjection

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

11.13. Class: geosrs:ArdenCloseProjection

Table 79 — geosrs:ArdenCloseProjection

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

11.14. Class: geosrs:ArmadilloProjection

Table 80 — geosrs:ArmadilloProjection

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

11.15. Class: geosrs:AtlantisProjection

Table 81 — geosrs:AtlantisProjection

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

11.16. Class: geosrs:AugustEpicycloidalProjection

Table 82 — geosrs:AugustEpicycloidalProjection

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	Δ

11.17. Class: geosrs: Autha Graph Projection

Table 83 — geosrs:AuthaGraphProjection

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

11.18. Class: geosrs: Azimuthal Equal Area Projection

Table 84 — geosrs:AzimuthalEqualAreaProjection

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

11.19. Class: geosrs: Azimuthal Equidistant Projection

Table 85 — geosrs:AzimuthalEquidistantProjection

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

11.20. Class: geosrs:AzimuthalProjection

Table 86 — geosrs:AzimuthalProjection

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

11.21. Class: geosrs:BSAMCylindricalProjection

Table 87 — geosrs:BSAMCylindricalProjection

URI	https://w3id.org/geosrs/projection/ BSAMCylindricalProjection
Super-classes	<u>B</u>

11.22. Class: geosrs:BaconGlobularProjection

Table 88 — geosrs:BaconGlobularProjection

URI	https://w3id.org/geosrs/projection/ BaconGlobularProjection
Super-classes	<u>B</u>

11.23. Class: geosrs:BakerDinomicProjection

Table 89 — geosrs:BakerDinomicProjection

URI	https://w3id.org/geosrs/projection/ BakerDinomicProjection
Super-classes	<u>B</u>

11.24. Class: geosrs:BalthasartProjection

Table 90 — geosrs:BalthasartProjection

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	<u>B</u>

11.25. Class: geosrs:BaranyillIProjection

Table 91 — geosrs:BaranyillIProjection

URI	https://w3id.org/geosrs/projection/BaranyillIProjection
Super-classes	<u>B</u>

11.26. Class: geosrs:BaranyillProjection

Table 92 — geosrs:BaranyillProjection

URI	https://w3id.org/geosrs/projection/BaranyillProjection
Super-classes	<u>B</u>

11.27. Class: geosrs:BaranyilProjection

Table 93 — geosrs:BaranyilProjection

URI	https://w3id.org/geosrs/projection/BaranyilProjection
Super-classes	<u>B</u>

11.28. Class: geosrs:BaranyilVProjection

Table 94 — geosrs:BaranyilVProjection

URI	https://w3id.org/geosrs/projection/BaranyilVProjection
Super-classes	<u>B</u>

11.29. Class: geosrs:BartholomewProjection

Table 95 — geosrs:BartholomewProjection

URI	https://w3id.org/geosrs/projection/ BartholomewProjection
Super-classes	<u>B</u>

11.30. Class: geosrs:BehrmannProjection

Table 96 — geosrs:BehrmannProjection

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	<u>B</u>

11.31. Class: geosrs:BerghausStarProjection

Table 97 — geosrs:BerghausStarProjection

URI	https://w3id.org/geosrs/projection/ BerghausStarProjection
Super-classes	<u>B</u>

11.32. Class: geosrs:BertinProjection

Table 98 — geosrs:BertinProjection

URI	https://w3id.org/geosrs/projection/BertinProjection
Super-classes	<u>B</u>

11.33. Class:

geosrs:BipolarObliqueConicConformalProjection

Table 99 — geosrs:BipolarObliqueConicConformalProjection

URI	https://w3id.org/geosrs/projection/ BipolarObliqueConicConformalProjection
Super-classes	<u>B</u>

11.34. Class: geosrs:BoggsEumorphicProjection

Table 100 — geosrs:BoggsEumorphicProjection

URI	https://w3id.org/geosrs/projection/ BoggsEumorphicProjection
Super-classes	<u>B</u>

11.35. Class: geosrs:BonneProjection

Table 101 — geosrs:BonneProjection

URI	https://w3id.org/geosrs/projection/BonneProjection
Super-classes	<u>B</u>

11.36. Class: geosrs:BottomleyProjection

Table 102 — geosrs:BottomleyProjection

URI	https://w3id.org/geosrs/projection/BottomleyProjection
Super-classes	<u>B</u>

11.37. Class: geosrs:BraunPerspectiveProjection

Table 103 — geosrs:BraunPerspectiveProjection

URI	https://w3id.org/geosrs/projection/ BraunPerspectiveProjection
Super-classes	<u>B</u>

11.38. Class: geosrs:BraunStereographicProjection

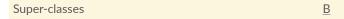
Table 104 — geosrs:BraunStereographicProjection

URI	https://w3id.org/geosrs/projection/ BraunStereographicProjection
Super-classes	<u>B</u>

11.39. Class: geosrs:BreusingGeometricProjection

Table 105 — geosrs:BreusingGeometricProjection

URI	https://w3id.org/geosrs/projection/
ORI	<u>BreusingGeometricProjection</u>



11.40. Class: geosrs:BreusingHarmonicProjection

Table 106 — geosrs:BreusingHarmonicProjection

URI	https://w3id.org/geosrs/projection/ BreusingHarmonicProjection
Super-classes	<u>B</u>

11.41. Class: geosrs:BriesemeisterProjection

Table 107 — geosrs:BriesemeisterProjection

URI	https://w3id.org/geosrs/projection/ BriesemeisterProjection
Super-classes	<u>B</u>

11.42. Class: geosrs:BromleyProjection

Table 108 — geosrs:BromleyProjection

URI	https://w3id.org/geosrs/projection/BromleyProjection
Super-classes	<u>B</u>

11.43. Class: geosrs:CabotProjection

Table 109 — geosrs:CabotProjection

URI	https://w3id.org/geosrs/projection/CabotProjection
Super-classes	<u>C</u>

11.44. Class: geosrs:CahillKeyesProjection

Table 110 — geosrs:CahillKeyesProjection

URI	https://w3id.org/geosrs/projection/CahillKeyesProjection
Super-classes	<u>C</u>

11.45. Class: geosrs:CassiniProjection

Table 111 — geosrs:CassiniProjection

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	<u>C</u>

11.46. Class: geosrs:CentralConicProjection

Table 112 — geosrs:CentralConicProjection

URI	https://w3id.org/geosrs/projection/ CentralConicProjection
Super-classes	<u>C</u>

11.47. Class: geosrs:CentralCylindricalProjection

Table 113 — geosrs:CentralCylindricalProjection

URI	https://w3id.org/geosrs/projection/ CentralCylindricalProjection
Super-classes	<u>C</u>

11.48. Class: geosrs:ChamberlinTrimetricProjection

Table 114 — geosrs:ChamberlinTrimetricProjection

URI	https://w3id.org/geosrs/projection/ ChamberlinTrimetricProjection
Super-classes	<u>C</u>

11.49. Class: geosrs:CiriclProjection

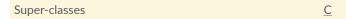
Table 115 — geosrs:CiriclProjection

URI	https://w3id.org/geosrs/projection/CiriclProjection
Super-classes	<u>C</u>

11.50. Class: geosrs:CollignonButterflyProjection

Table 116 — geosrs:CollignonButterflyProjection

URI	https://w3id.org/geosrs/projection/
ORI	<u>CollignonButterflyProjection</u>



11.51. Class: geosrs:CollignonProjection

Table 117 — geosrs:CollignonProjection

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

11.52. Class: geosrs:ColombiaUrbanProjection

Table 118 — geosrs:ColombiaUrbanProjection

URI	https://w3id.org/geosrs/projection/
OKI	<u>ColombiaUrbanProjection</u>

11.53. Class: geosrs:CompactMillerProjection

Table 119 — geosrs:CompactMillerProjection

URI	https://w3id.org/geosrs/projection/ CompactMillerProjection
Super-classes	<u>C</u>

11.54. Class: geosrs:CompromiseProjection

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

11.55. Class: geosrs:ConformalProjection

Table 121 — geosrs:ConformalProjection

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

11.56. Class: geosrs:ConicalProjection

Table 122 — geosrs:ConicalProjection

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

11.57. Class: geosrs:CordiformProjection

Table 123 — geosrs:CordiformProjection

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

11.58. Class: geosrs:CoxConformalProjection

Table 124 — geosrs:CoxConformalProjection

URI	https://w3id.org/geosrs/projection/ CoxConformalProjection
Super-classes	<u>C</u>

11.59. Class: geosrs:CraigRetroazimuthalProjection

Table 125 — geosrs:CraigRetroazimuthalProjection

URI	https://w3id.org/geosrs/projection/ CraigRetroazimuthalProjection
Super-classes	<u>C</u>

11.60. Class: geosrs:CrasterParabolicProjection

Table 126 — geosrs:CrasterParabolicProjection

URI	https://w3id.org/geosrs/projection/ CrasterParabolicProjection
Super-classes	<u>C</u>

11.61. Class: geosrs:CupolaProjection

Table 127 — geosrs:CupolaProjection

URI	https://w3id.org/geosrs/projection/CupolaProjection
Super-classes	<u>C</u>

11.62. Class: geosrs:CylindricalEqualArea

Table 128 — geosrs:CylindricalEqualArea

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

Super-classes <u>C</u>

11.63. Class: geosrs:CylindricalProjection

Table 129 — geosrs:CylindricalProjection

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

11.64. Class: geosrs:CylindricalStereographicProjection

Table 130 — geosrs:CylindricalStereographicProjection

URI	https://w3id.org/geosrs/projection/ CylindricalStereographicProjection
Super-classes	<u>C</u>

11.65. Class: geosrs: Deakin Minimum Error Projection

Table 131 — geosrs:DeakinMinimumErrorProjection

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

11.66. Class: geosrs: Dedistort Projection

Table 132 — geosrs:DedistortProjection

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

11.67. Class: geosrs:DenoyerSemiEllipticalProjection

Table 133 — geosrs:DenoyerSemiEllipticalProjection

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

11.68. Class: geosrs:DietrichKitadaProjection

Table 134 — geosrs:DietrichKitadaProjection

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

11.69. Class: geosrs:DodecahedralProjection

Table 135 — geosrs:DodecahedralProjection

URI	https://w3id.org/geosrs/projection/ DodecahedralProjection
Super-classes	<u>D</u>

11.70. Class: geosrs:DymaxionProjection

Table 136 — geosrs:DymaxionProjection

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

11.71. Class: geosrs:Eckert1Projection

Table 137 — geosrs:Eckert1Projection

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

11.72. Class: geosrs: Eckert2Projection

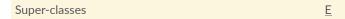
Table 138 — geosrs:Eckert2Projection

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

11.73. Class: geosrs: Eckert 3 Projection

Table 139 — geosrs:Eckert3Projection

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



11.74. Class: geosrs: Eckert4Projection

Table 140 — geosrs:Eckert4Projection

URI	https://w3id.org/geosrs/projection/Eckert4Projection
Super-classes	<u>E</u>

11.75. Class: geosrs: Eckert 5 Projection

Table 141 — geosrs:Eckert5Projection

URI	https://w3id.org/geosrs/projection/Eckert5Projection
Super-classes	<u>E</u>

11.76. Class: geosrs: Eckert 6 Projection

Table 142 — geosrs:Eckert6Projection

URI	https://w3id.org/geosrs/projection/Eckert6Projection
Super-classes	<u>E</u>

11.77. Class: geosrs:EisenlohrProjection

Table 143 — geosrs:EisenlohrProjection

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

11.78. Class: geosrs:EqualAreaProjection

Table 144 — geosrs:EqualAreaProjection

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

11.79. Class: geosrs: Equal Earth Projection

Table 145 — geosrs:EqualEarthProjection

URI	https://w3id.org/geosrs/projection/EqualEarthProjection
Super-classes	<u>E</u>

11.80. Class: geosrs: Equally Spaced Parallels Projection

Table 146 — geosrs:EquallySpacedParallelsProjection

LIDI	https://w3id.org/geosrs/projection/
URI	<u>EquallySpacedParallelsProjection</u>

11.81. Class: geosrs:EquidistantConicProjection

Table 147 — geosrs:EquidistantConicProjection

URI	https://w3id.org/geosrs/projection/ EquidistantConicProjection
Super-classes	<u>E</u>

11.82. Class: geosrs: Equidistant Cylindrical Projection

Table 148 — geosrs:EquidistantCylindricalProjection

URI	https://w3id.org/geosrs/projection/ EquidistantCylindricalProjection
Super-classes	<u>E</u>

11.83. Class: geosrs:EquidistantProjection

Table 149 — geosrs:EquidistantProjection

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

11.84. Class: geosrs: Equirectangular Projection

Table 150 — geosrs:EquirectangularProjection

URI	https://w3id.org/geosrs/projection/ EquirectangularProjection
Super-classes	<u>E</u>

11.85. Class: geosrs:FaheyProjection

Table 151 — geosrs:FaheyProjection

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

11.86. Class: geosrs:FairgrieveProjection

Table 152 — geosrs:FairgrieveProjection

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

11.87. Class: geosrs:FoucautProjection

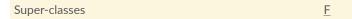
Table 153 — geosrs:FoucautProjection

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

11.88. Class: geosrs:FoucautSinusoidalProjection

Table 154 — geosrs:FoucautSinusoidalProjection

URI	https://w3id.org/geosrs/projection/
ON	<u>FoucautSinusoidalProjection</u>



11.89. Class: geosrs:FournierGlobularIProjection

Table 155 — geosrs:FournierGlobularlProjection

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

11.90. Class: geosrs:FournierIIProjection

Table 156 — geosrs:FournierIIProjection

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

11.91. Class: geosrs:FranculalIIProjection

Table 157 — geosrs:FranculalIIProjection

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

11.92. Class: geosrs:FranculalVProjection

Table 158 — geosrs:FranculalVProjection

URI	https://w3id.org/geosrs/projection/FranculalVProjection
Super-classes	<u>E</u>

11.93. Class: geosrs:FranculalXProjection

Table 159 — geosrs:FranculalXProjection

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

11.94. Class: geosrs:FranculaVIIIProjection

Table 160 — geosrs:FranculaVIIIProjection

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

11.95. Class: geosrs:FranculaVProjection

Table 161 — geosrs:FranculaVProjection

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

11.96. Class: geosrs:FranculaXIIIProjection

Table 162 — geosrs:FranculaXIIIProjection

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

11.97. Class: geosrs:FranculaXIIProjection

Table 163 — geosrs:FranculaXIIProjection

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

11.98. Class: geosrs:FranculaXIVProjection

Table 164 — geosrs:FranculaXIVProjection

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

11.99. Class: geosrs:GS50Projection

Table 165 — geosrs:GS50Projection

Super-classes <u>G</u>

11.100. Class: geosrs:GallIsographicProjection

Table 166 — geosrs:GallIsographicProjection

URI	https://w3id.org/geosrs/projection/
ORI	<u>GallIsographicProjection</u>

11.101. Class: geosrs:GallPetersProjection

Table 167 — geosrs:GallPetersProjection

URI	https://w3id.org/geosrs/projection/GallPetersProjection
Super-classes	<u>G</u>

11.102. Class: geosrs:GallStereographicProjection

Table 168 — geosrs: GallStereographicProjection

URI	https://w3id.org/geosrs/projection/ GallStereographicProjection
Super-classes	<u>G</u>

11.103. Class: geosrs:GaussKruegerProjection

Table 169 — geosrs:GaussKruegerProjection

URI	https://w3id.org/geosrs/projection/ GaussKruegerProjection
Super-classes	<u>G</u>

11.104. Class:

geosrs:GeneralVerticalPerspectiveProjection

Table 170 — geosrs:GeneralVerticalPerspectiveProjection

URI	https://w3id.org/geosrs/projection/ GeneralVerticalPerspectiveProjection
Super-classes	<u>G</u>

11.105. Class:

geosrs:GilbertTwoWorldPerspectiveProjection

Table 171 — geosrs:GilbertTwoWorldPerspectiveProjection

URI	https://w3id.org/geosrs/projection/ GilbertTwoWorldPerspectiveProjection
Super-classes	<u>G</u>

11.106. Class: geosrs:GingeryProjection

Table 172 — geosrs:GingeryProjection

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

11.107. Class: geosrs:GinzburgIIProjection

Table 173 — geosrs:GinzburgIIProjection

URI	https://w3id.org/geosrs/projection/GinzburgIIProjection
Super-classes	<u>G</u>

11.108. Class: geosrs:GinzburglProjection

Table 174 — geosrs:GinzburgIProjection

URI	https://w3id.org/geosrs/projection/GinzburglProjection
Super-classes	<u>G</u>

11.109. Class: geosrs:GinzburgIVProjection

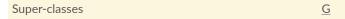
Table 175 — geosrs:GinzburgIVProjection

URI	https://w3id.org/geosrs/projection/GinzburgIVProjection
Super-classes	<u>G</u>

11.110. Class: geosrs:GinzburgIXProjection

Table 176 — geosrs:GinzburgIXProjection

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



11.111. Class: geosrs:GinzburgVIIIProjection

Table 177 — geosrs:GinzburgVIIIProjection

URI	https://w3id.org/geosrs/projection/ GinzburgVIIIProjection
Super-classes	<u>G</u>

11.112. Class: geosrs:GinzburgVIProjection

Table 178 — geosrs:GinzburgVIProjection

URI	https://w3id.org/geosrs/projection/GinzburgVIProjection
Super-classes	<u>G</u>

11.113. Class: geosrs:GinzburgVProjection

Table 179 — geosrs:GinzburgVProjection

URI	https://w3id.org/geosrs/projection/GinzburgVProjection
Super-classes	<u>G</u>

11.114. Class: geosrs:GlobularProjection

URI

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

11.115. Class: geosrs:GnomonicButterflyProjection

Table 181 — geosrs:GnomonicButterflyProjection

URI	https://w3id.org/geosrs/projection/ GnomonicButterflyProjection
Super-classes	<u>G</u>

11.116. Class: geosrs:GnomonicCubedSphereProjection

Table 182 — geosrs:GnomonicCubedSphereProjection

URI	https://w3id.org/geosrs/projection/ GnomonicCubedSphereProjection
Super-classes	<u>G</u>

11.117. Class: geosrs:GnomoniclcosahedronProjection

Table 183 — geosrs:GnomoniclcosahedronProjection

URI	https://w3id.org/geosrs/projection/ GnomoniclcosahedronProjection
Super-classes	<u>G</u>

11.118. Class: geosrs:GnomonicProjection

Table 184 — geosrs:GnomonicProjection

URI	https://w3id.org/geosrs/projection/GnomonicProjection
Super-classes	<u>G</u>

11.119. Class: geosrs:GoodeHomolosineProjection

Table 185 — geosrs:GoodeHomolosineProjection

URI	https://w3id.org/geosrs/projection/ GoodeHomolosineProjection
Super-classes	<u>G</u>

11.120. Class: geosrs:GottWagnerProjection

Table 186 — geosrs:GottWagnerProjection

URI	https://w3id.org/geosrs/projection/ GottWagnerProjection
Super-classes	<u>G</u>

11.121. Class: geosrs:GringortenProjection

Table 187 — geosrs:GringortenProjection

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

Super-classes $\underline{C} \underline{E}$

11.122. Class: geosrs: Gringorten Quincuncial Projection

Table 188 — geosrs:GringortenQuincuncialProjection

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

11.123. Class: geosrs:GuyouProjection

Table 189 — geosrs:GuyouProjection

URI	https://w3id.org/geosrs/projection/GuyouProjection
Super-classes	<u>G</u>

11.124. Class: geosrs: HEALPixProjection

Table 190 — geosrs:HEALPixProjection

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

11.125. Class: geosrs: Hammer Projection

Table 191 — geosrs:HammerProjection

URI	https://w3id.org/geosrs/projection/HammerProjection
Super-classes	<u>H</u>

11.126. Class: geosrs: Hammer Retroazimuthal Projection

Table 192- geosrs: Hammer Retroazi muthal Projection

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

11.127. Class: geosrs: Hamusoidal Projection

Table 193 — geosrs:HamusoidalProjection

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

11.128. Class:

geosrs:HatanoAsymmetricalEqualAreaProjection

Table 194 — geosrs:HatanoAsymmetricalEqualAreaProjection

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

11.129. Class: geosrs:HerschelConformalConicProjection

Table 195 — geosrs:HerschelConformalConicProjection

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

11.130. Class: geosrs:HillEucyclicProjection

Table 196 — geosrs:HillEucyclicProjection

URI	https://w3id.org/geosrs/projection/HillEucyclicProjection
Super-classes	<u>H</u>

11.131. Class: geosrs:HoboDyerProjection

Table 197 — geosrs:HoboDyerProjection

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

11.132. Class: geosrs: Hufnagel III Projection

Table 198 — geosrs:HufnagelIIIProjection

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

11.133. Class: geosrs: Hufnagel II Projection

Table 199 — geosrs:HufnagelIIProjection

URI

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

11.134. Class: geosrs: Hufnagell Projection

Table 200 — geosrs:HufnagellProjection

URI

https://w3id.org/geosrs/projection/HufnagellProjection

11.135. Class: geosrs: Hufnagell VProjection

Table 201 — geosrs:HufnagelIVProjection

URI

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

11.136. Class: geosrs: Hufnagell XProjection

Table 202 — geosrs:HufnagelIXProjection

URI

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

11.137. Class: geosrs: Hufnagel Projection

Table 203 — geosrs:HufnagelProjection

URI	https://w3id.org/geosrs/projection/HufnagelProjection
Super-classes	<u>H</u>

11.138. Class: geosrs:HufnagelVIIIProjection

Table 204 — geosrs:HufnagelVIIIProjection

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

11.139. Class: geosrs: Hufnagel VII Projection

Table 205 — geosrs:HufnagelVIIProjection

URI	https://w3id.org/geosrs/projection/
ONI	<u>HufnagelVIIProjection</u>

11.140. Class: geosrs:HufnagelVIProjection

Table 206 — geosrs:HufnagelVIProjection

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

11.141. Class: geosrs: Hufnagel VProjection

Table 207 — geosrs:HufnagelVProjection

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

11.142. Class: geosrs: Hufnagel XII Projection

Table 208 — geosrs:HufnagelXIIProjection

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

11.143. Class: geosrs: Hufnagel XIProjection

Table 209 — geosrs:HufnagelXIProjection

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

11.144. Class: geosrs:HufnagelXProjection

Table 210 — geosrs:HufnagelXProjection

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

11.145. Class: geosrs:IcosahedralProjection

Table 211 — geosrs:lcosahedralProjection

URI	https://w3id.org/geosrs/projection/IcosahedralProjection
Super-classes	1

11.146. Class:

geosrs:InterruptedGoodeHomolosineOceanicViewProjection

Table 212 — geosrs:InterruptedGoodeHomolosineOceanicViewProjection

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

11.147. Class:

geosrs:InterruptedGoodeHomolosineProjection

Table 213 — geosrs:InterruptedGoodeHomolosineProjection

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

11.148. Class:

geosrs:InterruptedQuarticAuthalicProjection

Table 214 — geosrs:InterruptedQuarticAuthalicProjection

URI	https://w3id.org/geosrs/projection/ InterruptedQuarticAuthalicProjection
Super-classes	<u>I</u>

11.149. Class: geosrs: James Azimuthal Projection

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Table 215 — geosrs:JamesAzimuthalProjection

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

11.150. Class: geosrs:KamenetskiylProjection

Table 216 — geosrs:KamenetskiylProjection

URI	https://w3id.org/geosrs/projection/ KamenetskiylProjection
Super-classes	<u>K</u>

11.151. Class: geosrs:KarchenkoShabanovaProjection

Table 217 — geosrs:KarchenkoShabanovaProjection

URI	https://w3id.org/geosrs/projection/ KarchenkoShabanovaProjection
Super-classes	<u>K</u>

11.152. Class: geosrs: Kavrayskiy 7 Projection

Table 218 — geosrs:Kavrayskiy7Projection

URI	https://w3id.org/geosrs/projection/ Kavrayskiy7Projection
Super-classes	<u>K</u>

11.153. Class: geosrs:KissProjection

Table 219 — geosrs:KissProjection

URI	https://w3id.org/geosrs/projection/KissProjection
Super-classes	<u>K</u>

11.154. Class: geosrs:Krovak

Table 220 — geosrs:Krovak

URI	https://w3id.org/geosrs/projection/Krovak
Super-classes	<u>K</u>

11.155. Class: geosrs:LaHireProjection

Table 221 — geosrs:LaHireProjection

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

11.156. Class: geosrs:LabordeProjection

Table 222 — geosrs:LabordeProjection

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

Super-classes <u>L</u>

11.157. Class: geosrs:LagrangeProjection

Table 223 — geosrs:LagrangeProjection

URI	https://w3id.org/geosrs/projection/LagrangeProjection
Super-classes	<u>L</u>

11.158. Class: geosrs:LambertAzimuthalEqualArea

Table 224 — geosrs:LambertAzimuthalEqualArea

URI	https://w3id.org/geosrs/projection/ LambertAzimuthalEqualArea
Super-classes	<u>L</u>

11.159. Class: geosrs:LambertConformalConicProjection

Table 225 — geosrs:LambertConformalConicProjection

URI	https://w3id.org/geosrs/projection/ LambertConformalConicProjection
Super-classes	<u>L</u>

11.160. Class:

geosrs:LambertCylindricalEqualAreaProjection

Table 226 — geosrs:LambertCylindricalEqualAreaProjection

URI	https://w3id.org/geosrs/projection/ LambertCylindricalEqualAreaProjection
Super-classes	<u>L</u>

11.161. Class: geosrs:LarriveeProjection

Table 227 — geosrs:LarriveeProjection

URI	https://w3id.org/geosrs/projection/LarriveeProjection
Super-classes	<u>L</u>

11.162. Class: geosrs:LaskowskiProjection

Table 228 — geosrs:LaskowskiProjection

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

11.163. Class: geosrs:LatLonProjection

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Table 229 — geosrs:LatLonProjection

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

11.164. Class: geosrs:LeeProjection

Table 230 — geosrs:LeeProjection

URI	https://w3id.org/geosrs/projection/LeeProjection
Super-classes	<u>L</u>

11.165. Class: geosrs:LenticularProjection

Table 231 — geosrs:LenticularProjection

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

11.166. Class: geosrs:LittrowProjection

Table 232 — geosrs:LittrowProjection

URI	https://w3id.org/geosrs/projection/LittrowProjection
Super-classes	<u>L</u>

11.167. Class: geosrs:LonLatProjection

Table 233 — geosrs:LonLatProjection

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

11.168. Class: geosrs:LorgnaProjection

Table 234 — geosrs:LorgnaProjection

URI	https://w3id.org/geosrs/projection/LorgnaProjection
Super-classes	<u>L</u>

11.169. Class: geosrs:LowryProjection

Table 235 — geosrs:LowryProjection

URI	https://w3id.org/geosrs/projection/LowryProjection
Super-classes	<u>L</u>

11.170. Class: geosrs:LoximuthalProjection

Table 236 — geosrs:LoximuthalProjection

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

11.171. Class: geosrs:MaurerNo73Projection

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Table 237 — geosrs:MaurerNo73Projection

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

11.172. Class: geosrs: Mayr Projection

Table 238 — geosrs:MayrProjection

URI	https://w3id.org/geosrs/projection/MayrProjection
Super-classes	<u>M</u>

11.173. Class:

geosrs:McBrydeThomasFlatPolarParabolicProjection

Table 239 — geosrs:McBrydeThomasFlatPolarParabolicProjection

URI	https://w3id.org/geosrs/projection/ McBrydeThomasFlatPolarParabolicProjection
Super-classes	<u>M</u>

11.174. Class:

geosrs:McBrydeThomasFlatPolarQuarticProjection

Table 240 — geosrs:McBrydeThomasFlatPolarQuarticProjection

URI	https://w3id.org/geosrs/projection/ McBrydeThomasFlatPolarQuarticProjection
Super-classes	<u>M</u>

11.175. Class:

geosrs:McBrydeThomasFlatPolarSinusoidalProjection

Table 241 — geosrs:McBrydeThomasFlatPolarSinusoidalProjection

URI	https://w3id.org/geosrs/projection/ McBrydeThomasFlatPolarSinusoidalProjection
Super-classes	<u>M</u>

11.176. Class: geosrs:McBrydeThomasIIProjection

Table 242 — geosrs:McBrydeThomasIIProjection

URI	https://w3id.org/geosrs/projection/ McBrydeThomasIIProjection
Super-classes	<u>M</u>

11.177. Class: geosrs:McBrydeThomasIProjection

Table 243 — geosrs:McBrydeThomaslProjection

URI	https://w3id.org/geosrs/projection/ McBrydeThomaslProjection
Super-classes	<u>M</u>

11.178. Class: geosrs: Mercator Projection

Table 244 — geosrs:MercatorProjection

URI	https://w3id.org/geosrs/projection/MercatorProjection
Super-classes	<u>M</u>

11.179. Class:

geosrs:MillerOblatedStereographicProjection

Table 245 — geosrs:MillerOblatedStereographicProjection

URI	https://w3id.org/geosrs/projection/ MillerOblatedStereographicProjection
Super-classes	<u>M</u>

11.180. Class: geosrs:MillerProjection

Table 246 — geosrs:MillerProjection

URI	https://w3id.org/geosrs/projection/MillerProjection
Super-classes	<u>M</u>

11.181. Class: geosrs: Minimum Error Projection

Table 247 — geosrs:MinimumErrorProjection

URI	https://w3id.org/geosrs/projection/
OKI	<u>MinimumErrorProjection</u>

11.182. Class: geosrs: Mollweide Projection

Table 248 — geosrs:MollweideProjection

URI	https://w3id.org/geosrs/projection/MollweideProjection
Super-classes	<u>E</u> P

11.183. Class: geosrs: Murdoch III Projection

Table 249 — geosrs:MurdochIIIProjection

URI	https://w3id.org/geosrs/projection/MurdochIIIProjection
Super-classes	<u>M</u>

11.184. Class: geosrs: Murdoch II Projection

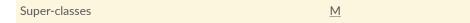
Table 250 — geosrs:MurdochIIProjection

URI	https://w3id.org/geosrs/projection/MurdochIIProjection
Super-classes	<u>M</u>

11.185. Class: geosrs: Murdochl Projection

Table 251 — geosrs:MurdochlProjection

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



11.186. Class: geosrs: Myrahedal Projection

Table 252 — geosrs:MyrahedalProjection

URI	https://w3id.org/geosrs/projection/MyrahedalProjection
Super-classes	<u>M</u>

11.187. Class: geosrs:NaturalEarth2Projection

Table 253 — geosrs:NaturalEarth2Projection

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

11.188. Class: geosrs: Natural Earth Projection

Table 254 — geosrs:NaturalEarthProjection

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

11.189. Class: geosrs:NellHammerProjection

Table 255 — geosrs:NellHammerProjection

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

11.190. Class: geosrs: Nell Projection

Table 256 — geosrs:NellProjection

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

11.191. Class: geosrs: Nicolosi Globular Projection

Table 257 — geosrs:NicolosiGlobularProjection

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

11.192. Class: geosrs: Nordic Projection

Table 258 — geosrs:NordicProjection

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



11.193. Class:

geosrs:ObliqueCylindricalEqualAreaProjection

Table 259 — geosrs:ObliqueCylindricalEqualAreaProjection

URI	https://w3id.org/geosrs/projection/ ObliqueCylindricalEqualAreaProjection
Super-classes	<u>O</u>

11.194. Class: geosrs:ObliqueMercatorProjection

Table 260 — geosrs:ObliqueMercatorProjection

URI	https://w3id.org/geosrs/projection/ ObliqueMercatorProjection
Super-classes	<u>O</u>

11.195. Class: geosrs:ObliquePlateCarreeProjection

Table 261 — geosrs:ObliquePlateCarreeProjection

URI	https://w3id.org/geosrs/projection/ ObliquePlateCarreeProjection
Super-classes	<u>O</u>

11.196. Class: geosrs:ObliqueProjection

Table 262 — geosrs:ObliqueProjection

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

11.197. Class: geosrs:ObliqueStereographicProjection

Table 263 — geosrs:ObliqueStereographicProjection

URI	https://w3id.org/geosrs/projection/ ObliqueStereographicProjection
Super-classes	<u>O</u>

11.198. Class: geosrs:OctantProjection

Table 264 — geosrs:OctantProjection

URI	https://w3id.org/geosrs/projection/OctantProjection
Super-classes	<u>O</u>

11.199. Class: geosrs:OrteliusOvalProjection

Table 265 — geosrs:OrteliusOvalProjection

URI	https://w3id.org/geosrs/projection/ OrteliusOvalProjection
Super-classes	<u>O</u>

11.200. Class: geosrs:OrthographicProjection

Table 266 — geosrs:OrthographicProjection

URI	https://w3id.org/geosrs/projection/ OrthographicProjection
Super-classes	<u>O</u>

11.201. Class: geosrs:OvalProjection

Table 267 — geosrs:OvalProjection

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

11.202. Class: geosrs:PattersonCylindricalProjection

Table 268 — geosrs:PattersonCylindricalProjection

URI	https://w3id.org/geosrs/projection/ PattersonCylindricalProjection
Super-classes	<u>P</u>

11.203. Class: geosrs:PavlovProjection

Table 269 — geosrs:PavlovProjection

URI	https://w3id.org/geosrs/projection/PavlovProjection
Super-classes	<u>P</u>

11.204. Class: geosrs:PeirceQuincuncialProjection

Table 270 — geosrs:PeirceQuincuncialProjection

URI	https://w3id.org/geosrs/projection/ PeirceQuincuncialProjection
Super-classes	<u>P</u>

11.205. Class: geosrs:PerspectiveConicProjection

Table 271 — geosrs:PerspectiveConicProjection

URI	https://w3id.org/geosrs/projection/ PerspectiveConicProjection
Super-classes	<u>P</u>

11.206. Class: geosrs:PerspectiveProjection

Table 272 — geosrs:PerspectiveProjection

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

11.207. Class: geosrs:PetermannStarProjection

Table 273 — geosrs:PetermannStarProjection

URI	https://w3id.org/geosrs/projection/ PetermannStarProjection
Super-classes	<u>P</u>

11.208. Class: geosrs:PlateCarreeProjection

Table 274 — geosrs:PlateCarreeProjection

URI	https://w3id.org/geosrs/projection/ PlateCarreeProjection
Super-classes	<u>P</u>

11.209. Class: geosrs:PoleLineProjection

Table 275 — geosrs:PoleLineProjection

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

11.210. Class: geosrs:PolyconicProjection

Table 276 — geosrs:PolyconicProjection

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

11.211. Class: geosrs:PolyhedralProjection

Table 277 — geosrs:PolyhedralProjection

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

11.212. Class: geosrs:Projection

Table 278 — geosrs:Projection

URI	https://w3id.org/geosrs/projection/Projection
Super-classes	<u>P</u>

11.213. Class: geosrs:PseudoAzimuthalProjection

Table 279 — geosrs:PseudoAzimuthalProjection

URI	https://w3id.org/geosrs/projection/
OKI	<u>PseudoAzimuthalProjection</u>

11.214. Class: geosrs:PseudoConicalProjection

Table 280 — geosrs:PseudoConicalProjection

URI	https://w3id.org/geosrs/projection/
OKI	<u>PseudoConicalProjection</u>

11.215. Class: geosrs:PseudoCylindricalProjection

Table 281 — geosrs:PseudoCylindricalProjection

URI	https://w3id.org/geosrs/projection/
ON	<u>PseudoCylindricalProjection</u>

11.216. Class: geosrs:PseudoOrthographicProjection

Table 282 — geosrs:PseudoOrthographicProjection

URI	https://w3id.org/geosrs/projection/
ORI	<u>PseudoOrthographicProjection</u>

11.217. Class: geosrs:PtolemyllProjection

Table 283 — geosrs:PtolemyIIProjection

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

11.218. Class: geosrs:PtolemylProjection

Table 284 — geosrs:PtolemylProjection

URI	https://w3id.org/geosrs/projection/PtolemylProjection
Super-classes	<u>P</u>

11.219. Class: geosrs:PutninsP1Projection

Table 285 — geosrs:PutninsP1Projection

URI	https://w3id.org/geosrs/projection/PutninsP1Projection
Super-classes	<u>P</u>

11.220. Class: geosrs:PutninsP2Projection

Table 286 — geosrs:PutninsP2Projection

URI	https://w3id.org/geosrs/projection/PutninsP2Projection
Super-classes	<u>P</u>

11.221. Class: geosrs:PutninsP3Projection

Table 287 — geosrs:PutninsP3Projection

URI	https://w3id.org/geosrs/projection/PutninsP3Projection
Super-classes	<u>P</u>

11.222. Class: geosrs:PutninsP5Projection

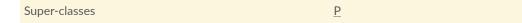
Table 288 — geosrs:PutninsP5Projection

URI	https://w3id.org/geosrs/projection/PutninsP5Projection
Super-classes	<u>P</u>

11.223. Class: geosrs:PutninsP6Projection

Table 289 — geosrs:PutninsP6Projection

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



11.224. Class:

geosrs:QuadrilateralizedSphericalCubeProjection

Table 290 — geosrs:QuadrilateralizedSphericalCubeProjection

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

11.225. Class: geosrs: Quartic Authalic Projection

Table 291 — geosrs:QuarticAuthalicProjection

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

11.226. Class: geosrs:RectangularPolyconicProjection

Table 292 — geosrs:RectangularPolyconicProjection

URI	https://w3id.org/geosrs/projection/ RectangularPolyconicProjection
Super-classes	<u>R</u>

11.227. Class: geosrs:RetroazimuthalProjection

Table 293 — geosrs:RetroazimuthalProjection

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

11.228. Class: geosrs:RobinsonProjection

Table 294 — geosrs:RobinsonProjection

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

11.229. Class: geosrs:RoussilheProjection

Table 295 — geosrs:RoussilheProjection

URI	https://w3id.org/geosrs/projection/RoussilheProjection
Super-classes	<u>R</u>

11.230. Class: geosrs:SchjerninglProjection

Table 296 — geosrs:SchjerninglProjection

URI	https://w3id.org/geosrs/projection/SchjerninglProjection
Super-classes	<u>S</u>

11.231. Class: geosrs:SinusoidalProjection

Table 297 — geosrs:SinusoidalProjection

URI	https://w3id.org/geosrs/projection/SinusoidalProjection
Super-classes	<u>S</u>

11.232. Class: geosrs:SmythEqualSurfaceProjection

Table 298 — geosrs:SmythEqualSurfaceProjection

URI	https://w3id.org/geosrs/projection/ SmythEqualSurfaceProjection
Super-classes	<u>S</u>

11.233. Class: geosrs:SpaceObliqueMercatorProjection

Table 299 — geosrs:SpaceObliqueMercatorProjection

URI	https://w3id.org/geosrs/projection/
UKI	<u>SpaceObliqueMercatorProjection</u>

11.234. Class: geosrs:SpilhausOceanicProjection

Table 300 — geosrs:SpilhausOceanicProjection

URI	https://w3id.org/geosrs/projection/ SpilhausOceanicProjection
Super-classes	<u>S</u>

11.235. Class: geosrs:StabiusWernerIIIProjection

Table 301 — geosrs:StabiusWernerIIIProjection

URI	https://w3id.org/geosrs/projection/ StabiusWernerIIIProjection
Super-classes	<u>S</u>

11.236. Class: geosrs:StabiusWernerIIProjection

Table 302 — geosrs:StabiusWernerIIProjection

URI	https://w3id.org/geosrs/projection/ StabiusWernerIIProjection
Super-classes	<u>S</u>

11.237. Class: geosrs:StabiusWernerIProjection

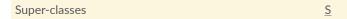
Table 303 — geosrs:StabiusWernerlProjection

URI	https://w3id.org/geosrs/projection/ StabiusWernerlProjection
Super-classes	<u>S</u>

11.238. Class: geosrs:StereographicProjection

Table 304 — geosrs:StereographicProjection

LIDI	https://w3id.org/geosrs/projection/
URI	<u>StereographicProjection</u>



11.239. Class: geosrs:Strebe1995Projection

Table 305 — geosrs:Strebe1995Projection

URI	https://w3id.org/geosrs/projection/ Strebe1995Projection
Super-classes	<u>S</u>

11.240. Class: geosrs:TheTimesProjection

Table 306 — geosrs:TheTimesProjection

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

11.241. Class: geosrs:TiltedPerspectiveProjection

Table 307 — geosrs:TiltedPerspectiveProjection

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

11.242. Class: geosrs:ToblerCylindricalIIProjection

Table 308 — geosrs:ToblerCylindricalIIProjection

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

11.243. Class: geosrs:ToblerCylindricalIProjection

Table 309 — geosrs:ToblerCylindricallProjection

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

11.244. Class: geosrs:ToblerG1Projection

Table 310 — geosrs:ToblerG1Projection

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

11.245. Class: geosrs:ToblerHyperellipticalProjection

 $\textbf{Table 311} - \mathsf{geosrs:} Tobler Hyperelliptical Projection$

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

11.246. Class: geosrs:ToblerWorldInASquareProjection

Table 312 — geosrs:ToblerWorldInASquareProjection

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

11.247. Class:

geosrs:TransverseCylindricalEqualAreaProjection

Table 313 — geosrs:TransverseCylindricalEqualAreaProjection

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

11.248. Class: geosrs:TransverseMercatorProjection

Table 314 — geosrs:TransverseMercatorProjection

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

11.249. Class: geosrs:TrystanEdwardsProjection

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Table 315 — geosrs:TrystanEdwardsProjection

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

11.250. Class: geosrs:TwoPointEquidistantProjection

Table 316 — geosrs:TwoPointEquidistantProjection

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

11.251. Class:

geosrs:UniversalTransverseMercatorProjection

Table 317 — geosrs:UniversalTransverseMercatorProjection

LIDI	https://w3id.org/geosrs/projection/
URI	<u>UniversalTransverseMercatorProjection</u>

11.252. Class: geosrs:UrmayevIIIProjection

Table 318 — geosrs:UrmayevIIIProjection

URI	https://w3id.org/geosrs/projection/UrmayevIIIProjection
Super-classes	<u>U</u>

11.253. Class: geosrs: Van Der Grinten III Projection

Table 319 — geosrs:VanDerGrintenIIIProjection

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

11.254. Class: geosrs: Van Der Grinten II Projection

Table 320 — geosrs:VanDerGrintenIIProjection

URI	https://w3id.org/geosrs/projection/ VanDerGrintenIIProjection
Super-classes	$\overline{\Lambda}$

11.255. Class: geosrs: Van Der Grinten I Projection

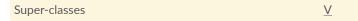
Table 321 — geosrs:VanDerGrintenlProjection

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

11.256. Class: geosrs: Van Der Grinten IV Projection

Table 322 — geosrs:VanDerGrintenIVProjection

URI	https://w3id.org/geosrs/projection/
OKI	<u>VanDerGrintenIVProjection</u>



11.257. Class: geosrs: Vertical Perspective Projection

Table 323 — geosrs:VerticalPerspectiveProjection

URI	https://w3id.org/geosrs/projection/ VerticalPerspectiveProjection
Super-classes	\underline{V}

11.258. Class: geosrs:VitkovskylProjection

Table 324 — geosrs:VitkovskylProjection

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

11.259. Class: geosrs: Wagner III Projection

Table 325 — geosrs:WagnerIIIProjection

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

11.260. Class: geosrs: Wagner II Projection

Table 326 — geosrs:WagnerIIProjection

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

11.261. Class: geosrs: Wagner I Projection

Table 327 — geosrs:WagnerlProjection

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

11.262. Class: geosrs: Wagner IV Projection

Table 328 — geosrs:WagnerIVProjection

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

11.263. Class: geosrs: Wagner IXProjection

Table 329 — geosrs:WagnerIXProjection

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

11.264. Class: geosrs:WagnerVIIIProjection

Table 330 — geosrs:WagnerVIIIProjection

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

11.265. Class: geosrs: Wagner VII Projection

 $\textbf{Table 331}- {\tt geosrs:WagnerVIIProjection}$

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

11.266. Class: geosrs: Wagner VIProjection

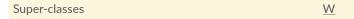
Table 332 — geosrs:WagnerVIProjection

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

11.267. Class: geosrs:WagnerVProjection

Table 333 — geosrs:WagnerVProjection

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



11.268. Class: geosrs: Waterman Butterfly Projection

Table 334 — geosrs:WatermanButterflyProjection

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

11.269. Class: geosrs: WebMercator Projection

Table 335 — geosrs:WebMercatorProjection

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

11.270. Class: geosrs: Werenskiold I Projection

Table 336 — geosrs:WerenskioldlProjection

URI	https://w3id.org/geosrs/projection/ WerenskioldIProjection
Super-classes	<u>W</u>

11.271. Class: geosrs:WernerProjection

Table 337 — geosrs:WernerProjection

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

11.272. Class: geosrs:WiechelProjection

Table 338 — geosrs:WiechelProjection

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

11.273. Class: geosrs:WinkelIIProjection

Table 339 — geosrs:WinkelIIProjection

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

11.274. Class: geosrs:WinkellProjection

Table 340 — geosrs:WinkellProjection

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

11.275. Class: geosrs:WinkelSnyderProjection

Table 341 — geosrs:WinkelSnyderProjection

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

11.276. Class: geosrs:WinkelTripelProjection

Table 342 — geosrs:WinkelTripelProjection

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

11.277. Class: geosrs:PutninsP3'Projection

Table 343 — geosrs:PutninsP3'Projection

URI	https://w3id.org/geosrs/projection/PutninsP3'Projection
Super-classes	<u>P</u>

11.278. Class: geosrs:PutninsP4'Projection

Table 344 — geosrs:PutninsP4'Projection

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

Super-classes \underline{P}

11.279. Class: geosrs:PutninsP5'Projection

Table 345 — geosrs:PutninsP5'Projection

URI	https://w3id.org/geosrs/projection/PutninsP5'Projection
Super-classes	<u>P</u>

11.280. Class: geosrs:PutninsP6'Projection

Table 346 — geosrs:PutninsP6'Projection

URI	https://w3id.org/geosrs/projection/PutninsP6'Projection
Super-classes	<u>P</u>

11.281. Class: geosrs:MollweideWagnerProjection

Table 347 — geosrs:MollweideWagnerProjection

URI	https://w3id.org/geosrs/projection/	
	<u>MollweideWagnerProjection</u>	



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.



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	-



ANNEX B (INFORMATIVE) SHACL SHAPES

В

ANNEX B (INFORMATIVE) SHACL SHAPES

Overview

Overview



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)

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