





gmd:DQ_DataQuality			
gmd:scope	: gmd:DQ_Scope	<None>	1..1
gmd:report	: choose DQ_Element subtype []	<None>	0..*
gmd:lineage	: gmd:LI_Lineage	<None>	0..1

Quality information for the data specified by a data quality scope.

count(report + lineage) > 0

gmd:DQ_Scope			
gmd:level	: codeList MD_ScopeCode		

Extent of characteristics(s) of the data for which quality information is reported.

gmd:LI_Lineage			
gmd:statement	: goo:CharacterString	<None>	0..1
gmd:processStep	: gmd:LI_ProcessStep []	<None>	0..*
gmd:source	: gmd:LI_Source []	<None>	0..*

Non-quantitative quality information
Information about the events or source data used in constructing the data specified by the scope or lack of knowledge about lineage.
count (processStep + source) > 0

gmd:LI_ProcessStep			
gmd:description	: goo:CharacterString	<None>	1..1
gmd:rationale	: goo:CharacterString	<None>	0..1
gmd:dateTime	: goo:DateTime	ISO 8601	
gmd:processor	: gmd:CI_ResponsableParty []	<None>	0..*

Information about an event or transformation in the life of a dataset including the process used to maintain the dataset. Use this class for ISO 19115, use LI_ProcessStep for ISO 19115-2 extensions for imagery and gridded data.
LI_ProcessStep has an id+* attribute that can optionally hold an ID for step

gmd:LI_Source			
gmd:description	: goo:CharacterString	<None>	0..1
gmd:sourceCitation	: gmd:CI_Citation	<None>	0..1
gmd:sourceStep	: gmd:LI_ProcessStep []	<None>	0..*

Information about the source data used in creating the data specified by the scope.

gmd:DQ_Element			
(abstract)			
Quantitative quality information ... Aspect of quantitative quality information. Choose a subtype.			

gmd:OE_Usability			
gmd:nameOfMeasure	: goo:CharacterString [0..n]	<None>	
gmd:measureIdentification	: gmd:MD_Identifier [0..1]	<None>	
gmd:measureDescription	: goo:CharacterString [0..1]	<None>	
gmd:dateTime	: goo:DateTime [0..n]	<None>	
gmd:result	: gmd:DQ_Result [M..2]	<None>	

Degree of adherence of a dataset to a specific set of user requirements.

gmd:DQ_LogicalCompleteness			
(abstract)			
Presence and absence of features, their attributes and their relationship. Choose a subtype.			

gmd:DQ_LogicalConsistency			
(abstract)			
Degree of adherence to logical rules of data structure, attribution, and relationships (data structure can be conceptual, logical or physical). Choose a subtype.			

gmd:DQ_PositionalAccuracy			
(abstract)			
Accuracy of the position of features. Choose a subtype.			

gmd:DQ_TemporalAccuracy			
(abstract)			
Accuracy of the temporal attributes and temporal relationships of features. Choose a subtype.			

gmd:DQ_ThematicAccuracy			
(abstract)			
Accuracy of quantitative attributes and the correctness of non-quantitative attributes and of the classifications of features and their relationships. Choose a subtype.			

gmd:DQ_CompletenessCommission			
gmd:nameOfMeasure	: goo:CharacterString [0..n]	<None>	
gmd:measureIdentification	: gmd:MD_Identifier [0..1]	<None>	
gmd:measureDescription	: goo:CharacterString [0..1]	<None>	
gmd:dateTime	: goo:DateTime [0..n]	<None>	
gmd:result	: gmd:DQ_Result [M..2]	<None>	

Excess data present in the dataset, as described by the scope.

gmd:DQ_CompletenessOmission			
gmd:nameOfMeasure	: goo:CharacterString [0..n]	<None>	
gmd:measureIdentification	: gmd:MD_Identifier [0..1]	<None>	
gmd:measureDescription	: goo:CharacterString [0..1]	<None>	
gmd:dateTime	: goo:DateTime [0..n]	<None>	
gmd:result	: gmd:DQ_Result [M..2]	<None>	

Data absent from the dataset, as described by the scope.

gmd:DQ_ConceptualConsistency			
gmd:nameOfMeasure	: goo:CharacterString [0..n]	<None>	
gmd:measureIdentification	: gmd:MD_Identifier [0..1]	<None>	
gmd:measureDescription	: goo:CharacterString [0..1]	<None>	
gmd:dateTime	: goo:DateTime [0..n]	<None>	
gmd:result	: gmd:DQ_Result [M..2]	<None>	

Adherence to the rules of the conceptual schema.

gmd:DQ_DomainConsistency			
gmd:nameOfMeasure	: goo:CharacterString [0..n]	<None>	
gmd:measureIdentification	: gmd:MD_Identifier [0..1]	<None>	
gmd:measureDescription	: goo:CharacterString [0..1]	<None>	
gmd:dateTime	: goo:DateTime [0..n]	<None>	
gmd:result	: gmd:DQ_Result [M..2]	<None>	

adherence of the values to the value domains

gmd:DQ_FormatConsistency			
gmd:nameOfMeasure	: goo:CharacterString [0..n]	<None>	
gmd:measureIdentification	: gmd:MD_Identifier [0..1]	<None>	
gmd:measureDescription	: goo:CharacterString [0..1]	<None>	
gmd:dateTime	: goo:DateTime [0..n]	<None>	
gmd:result	: gmd:DQ_Result [M..2]	<None>	

Degree to which data is stored in accordance with the physical structure of the dataset, as described by the scope.

gmd:DQ_TopologicalConsistency			
gmd:nameOfMeasure	: goo:CharacterString [0..n]	<None>	
gmd:measureIdentification	: gmd:MD_Identifier [0..1]	<None>	
gmd:measureDescription	: goo:CharacterString [0..1]	<None>	
gmd:dateTime	: goo:DateTime [0..n]	<None>	
gmd:result	: gmd:DQ_Result [M..2]	<None>	

Correctness of the explicitly encoded topological characteristics of the dataset as described by the scope.

gmd:DQ_AbsoluteExternalPositionalAccuracy			
gmd:nameOfMeasure	: goo:CharacterString [0..n]	<None>	
gmd:measureIdentification	: gmd:MD_Identifier [0..1]	<None>	
gmd:measureDescription	: goo:CharacterString [0..1]	<None>	
gmd:dateTime	: goo:DateTime [0..n]	<None>	
gmd:result	: gmd:DQ_Result [M..2]	<None>	

Closeness of reported coordinate values to values accepted as or being true.

gmd:DQ_GriddedDataPositionalAccuracy			
gmd:nameOfMeasure	: goo:CharacterString [0..n]	<None>	
gmd:measureIdentification	: gmd:MD_Identifier [0..1]	<None>	
gmd:measureDescription	: goo:CharacterString [0..1]	<None>	
gmd:dateTime	: goo:DateTime [0..n]	<None>	
gmd:result	: gmd:DQ_Result [M..2]	<None>	

Closeness of gridded data position values to values accepted as or being true.

gmd:DQ_RelativeInternalPositionalAccuracy			
gmd:nameOfMeasure	: goo:CharacterString [0..n]	<None>	
gmd:measureIdentification	: gmd:MD_Identifier [0..1]	<None>	
gmd:measureDescription	: goo:CharacterString [0..1]	<None>	
gmd:dateTime	: goo:DateTime [0..n]	<None>	
gmd:result	: gmd:DQ_Result [M..2]	<None>	

Closeness of the relative positions of features in the scope to their respective relative positions accepted as or being true.

gmd:DQ_AccuracyOfTimeMeasurement			
gmd:nameOfMeasure	: goo:CharacterString [0..n]	<None>	
gmd:measureIdentification	: gmd:MD_Identifier [0..1]	<None>	
gmd:measureDescription	: goo:CharacterString [0..1]	<None>	
gmd:dateTime	: goo:DateTime [0..n]	<None>	
gmd:result	: gmd:DQ_Result [M..2]	<None>	

Correctness of the temporal references of an item (reporting of error in time measurement).

gmd:DQ_TemporalConsistency			
gmd:nameOfMeasure	: goo:CharacterString [0..n]	<None>	
gmd:measureIdentification	: gmd:MD_Identifier [0..1]	<None>	
gmd:measureDescription	: goo:CharacterString [0..1]	<None>	
gmd:dateTime	: goo:DateTime [0..n]	<None>	
gmd:result	: gmd:DQ_Result [M..2]	<None>	

Correctness of ordered events or sequences, if reported.

gmd:DQ_TemporalValidity			
gmd:nameOfMeasure	: goo:CharacterString [0..n]	<None>	
gmd:measureIdentification	: gmd:MD_Identifier [0..1]	<None>	
gmd:measureDescription	: goo:CharacterString [0..1]	<None>	
gmd:dateTime	: goo:DateTime [0..n]	<None>	
gmd:result	: gmd:DQ_Result [M..2]	<None>	

Validity of data specified by the scope with respect to time.

gmd:DQ_ThematicClassificationCorrectness			
gmd:nameOfMeasure	: goo:CharacterString [0..n]	<None>	
gmd:measureIdentification	: gmd:MD_Identifier [0..1]	<None>	
gmd:measureDescription	: goo:CharacterString [0..1]	<None>	
gmd:dateTime	: goo:DateTime [0..n]	<None>	
gmd:result	: gmd:DQ_Result [M..2]	<None>	

Comparison of the classes assigned to features or their attributes to a universe of discourse.

gmd:DQ_NonQuantitativeAttributeAccuracy			
gmd:nameOfMeasure	: goo:CharacterString [0..n]	<None>	
gmd:measureIdentification	: gmd:MD_Identifier [0..1]	<None>	
gmd:measureDescription	: goo:CharacterString [0..1]	<None>	
gmd:dateTime	: goo:DateTime [0..n]	<None>	
gmd:result	: gmd:DQ_Result [M..2]	<None>	

Accuracy of non-quantitative attributes.

gmd:DQ_QuantitativeAttributeAccuracy			
gmd:nameOfMeasure	: goo:CharacterString [0..n]	<None>	
gmd:measureIdentification	: gmd:MD_Identifier [0..1]	<None>	
gmd:measureDescription	: goo:CharacterString [0..1]	<None>	
gmd:dateTime	: goo:DateTime [0..n]	<None>	
gmd:result	: gmd:DQ_Result [M..2]	<None>	

Accuracy of quantitative attributes.

gmd:DQ_Result			
(abstract)			
Choose one or both subtypes			

gmd:DQ_ConformanceResult			
gmd:specification	: gmd:CI_Citation [1..1]	<None>	
gmd:regulation	: goo:CharacterString [1..1]	<None>	
gmd:pass	: goo:Boolean [1..1]	<None>	

Information about the outcome of evaluating the obtained value (or set of values) against a specified acceptable conformance quality level.

gmd:DQ_QuantitativeResult			
gmd:valueUnit	: choose valueUnitOfMeasure subtype [1..1]	<None>	
gmd:errorStatistic	: goo:CharacterString [0..1]	<None>	
gmd:value	: Record [1..n]	<None>	

The values or information about the values(s) (or set of values) obtained from applying a data quality measure.

gmd:OE_CoverageResult			
Not defined on model.			

gmd:MD_Identifier			
gmd:authority	: gmd:CI_Citation [0..1]	<None>	
gmd:code	: goo:CharacterString [1..1]	<None>	

Value uniquely identifying an object within a namespace.