

II.4

Geologie

- Geology
- Hydrogeology
- Geophysics

Vysvětlivky

Abstraktní objekt

povinný atribut objektu

zrušitelný atribut objektu (voidable)

objekt reálného světa

povinný atribut objektu

zrušitelný atribut objektu (voidable)

omezení

datový typ

povinný atribut datového typu

zrušitelný atribut datového typu (voidable)

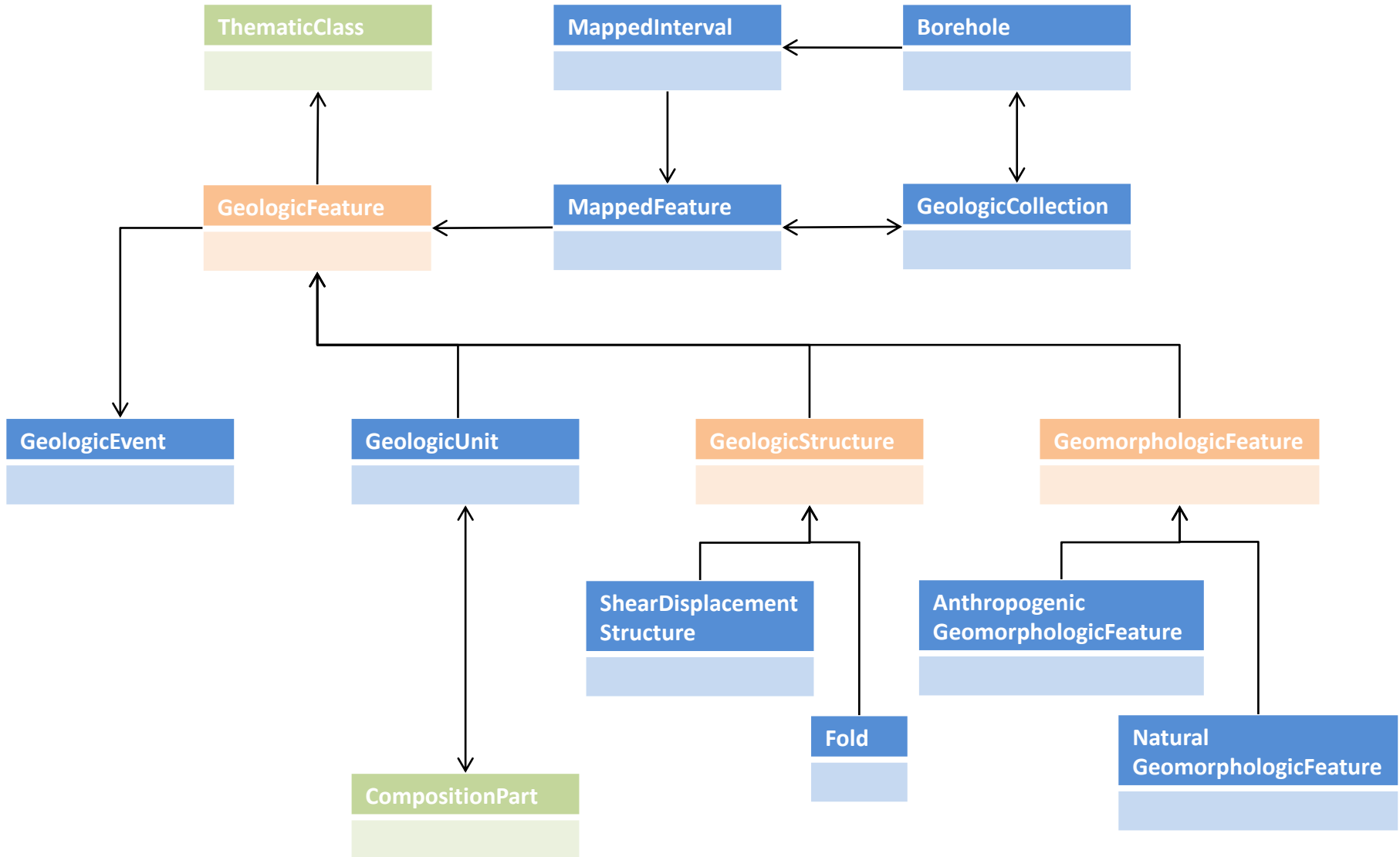
číselník

hodnota číselníku

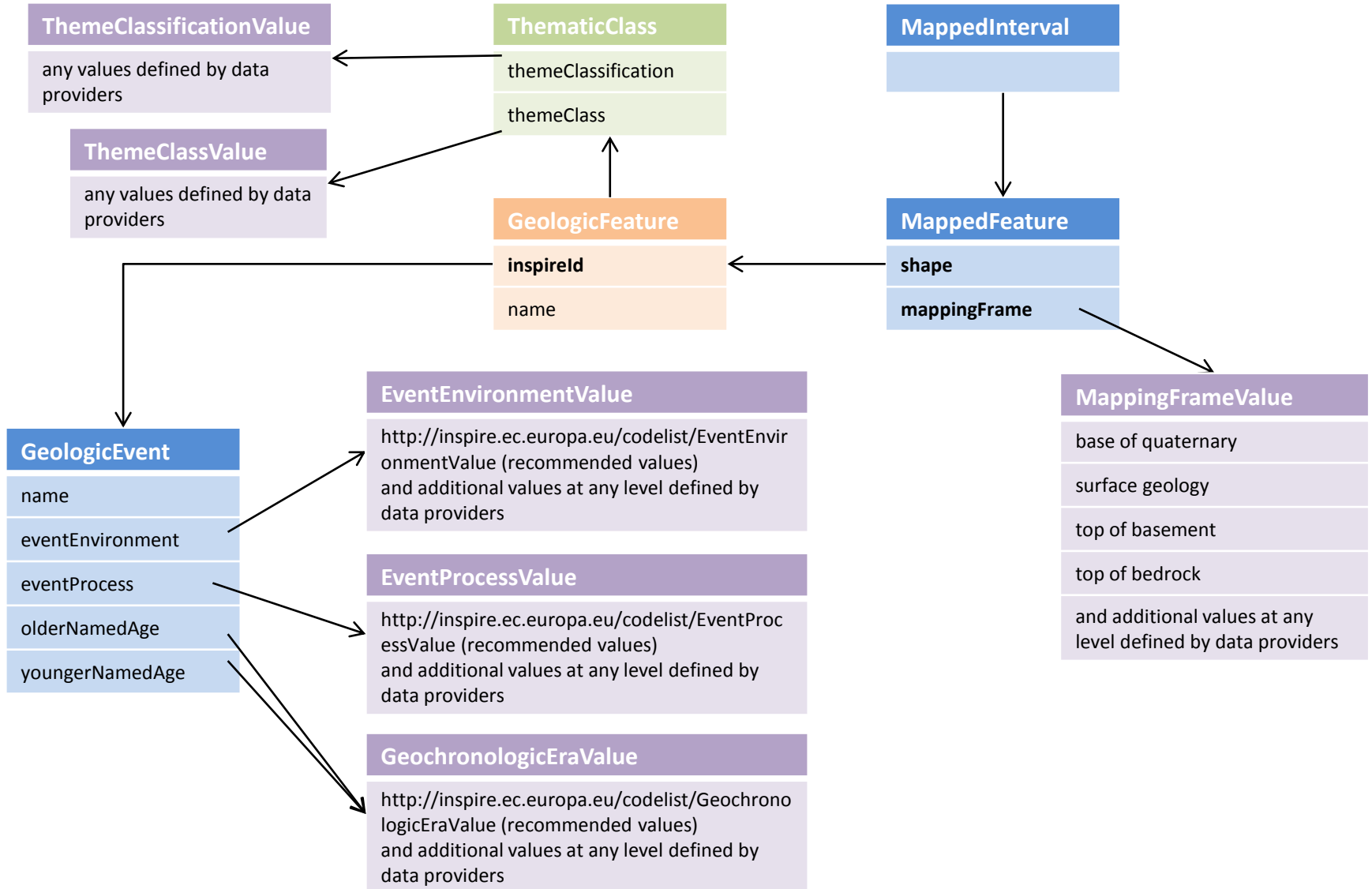
spojení

prvky pro spojení

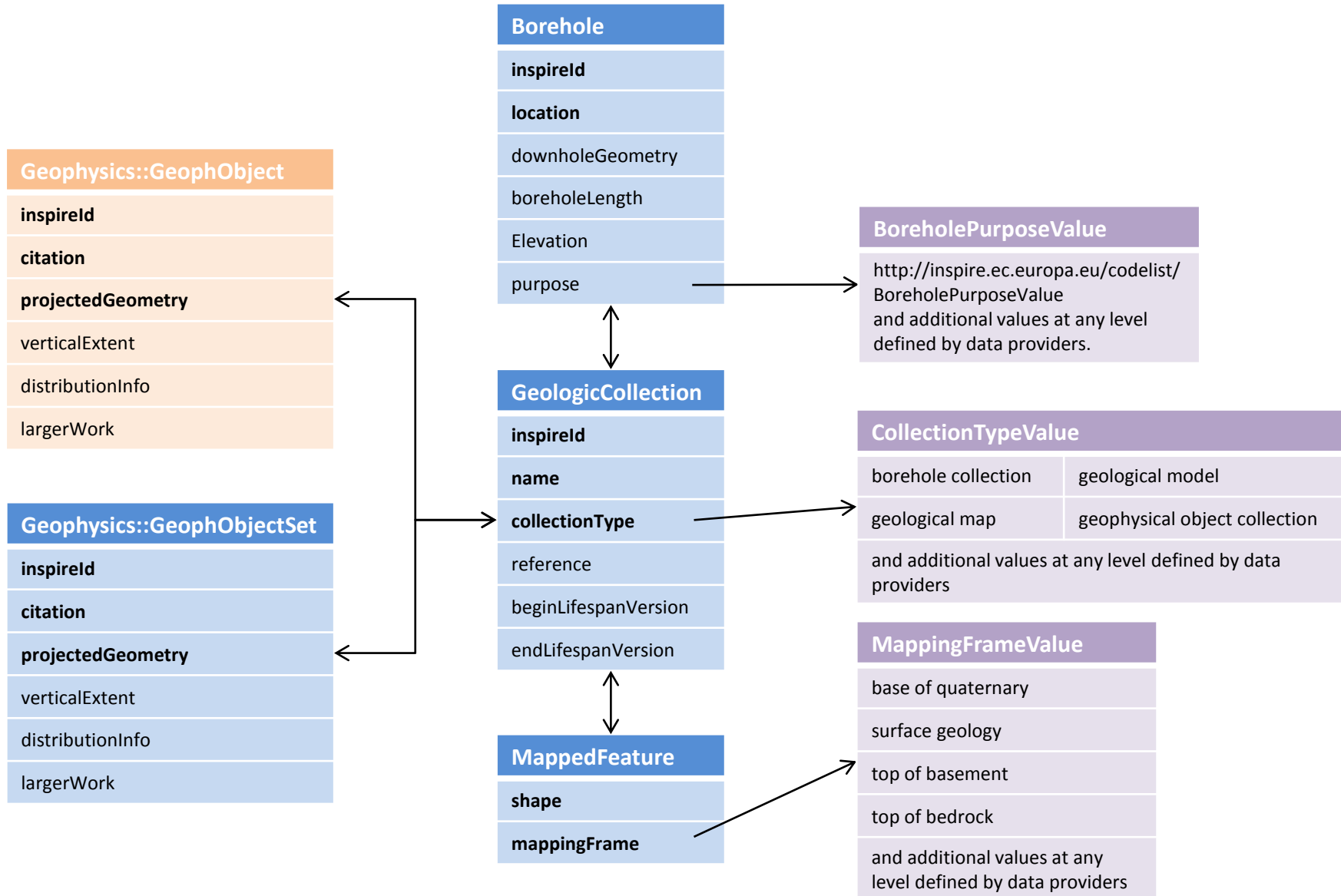
Geology – overview



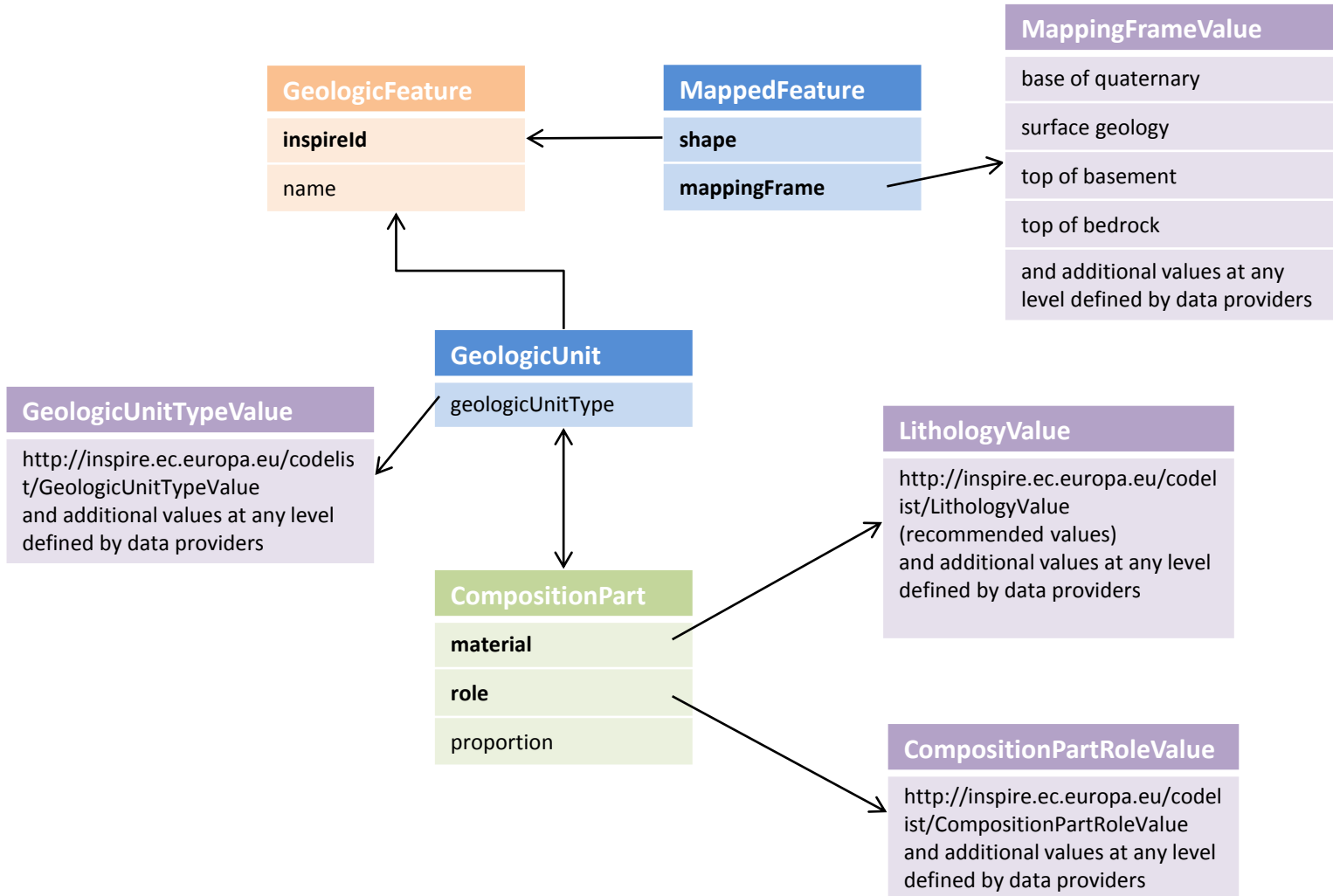
Geology – GeologicFeature



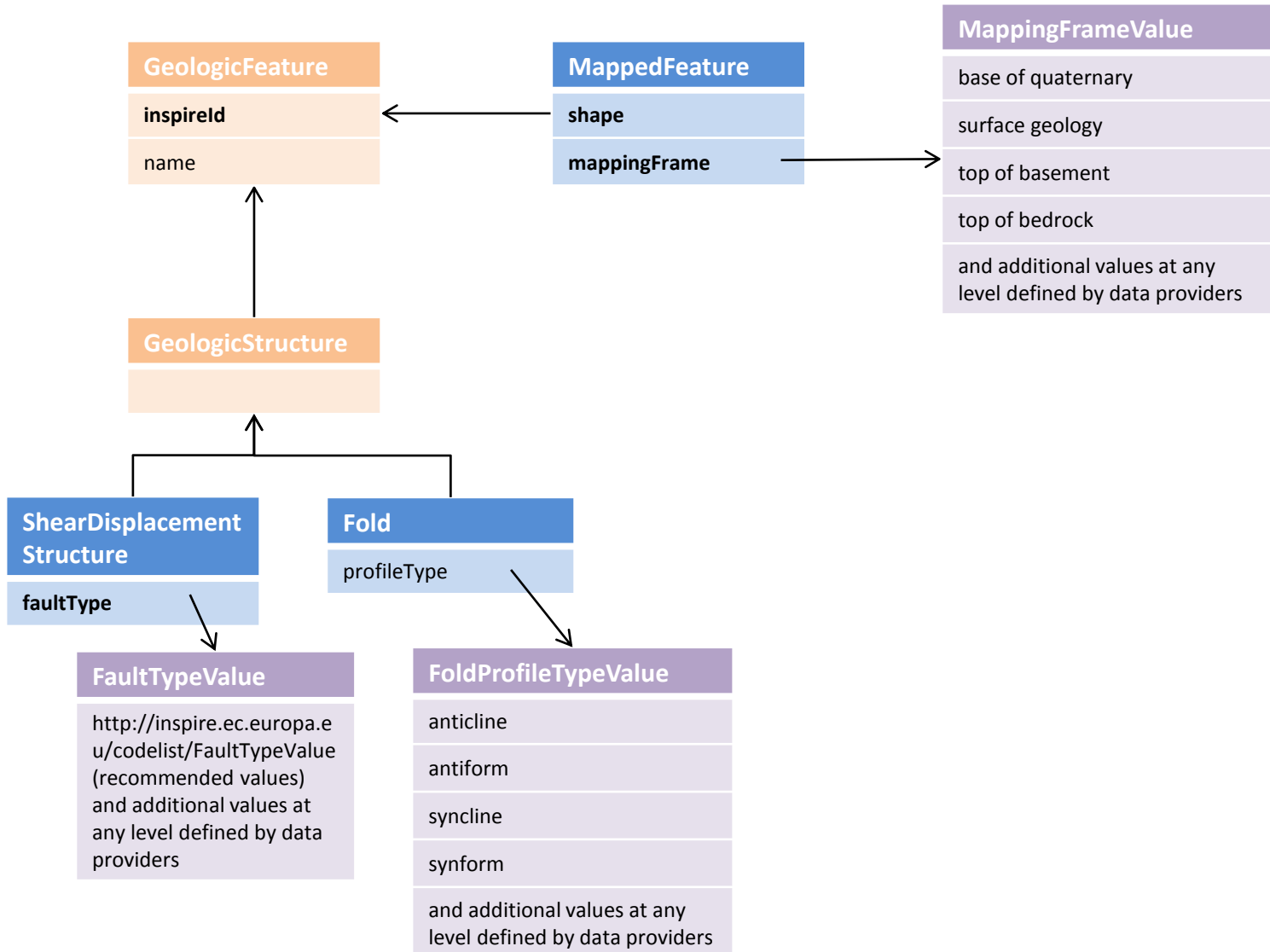
Geology – GeologicCollection



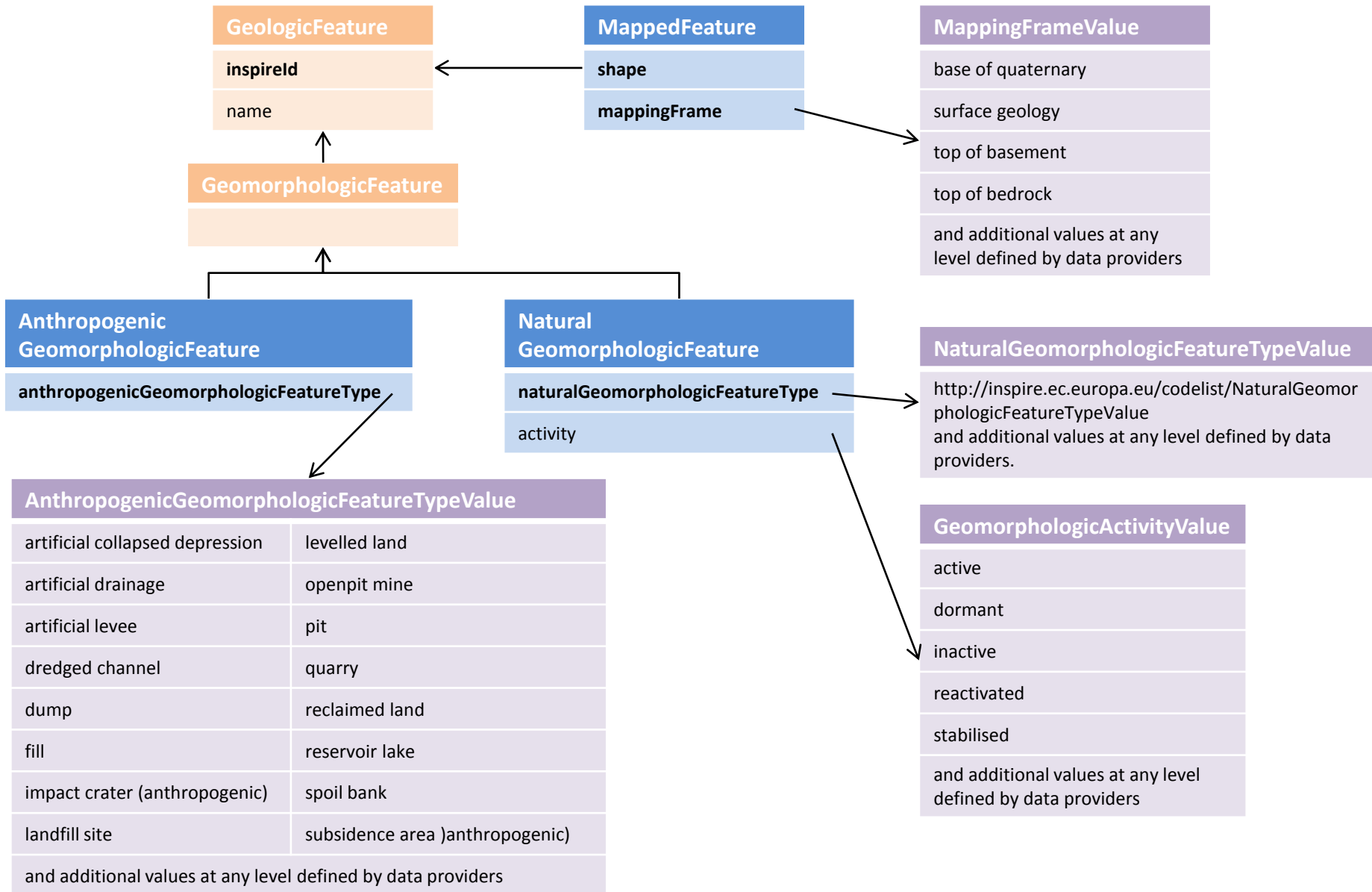
Geology – GeologicUnit



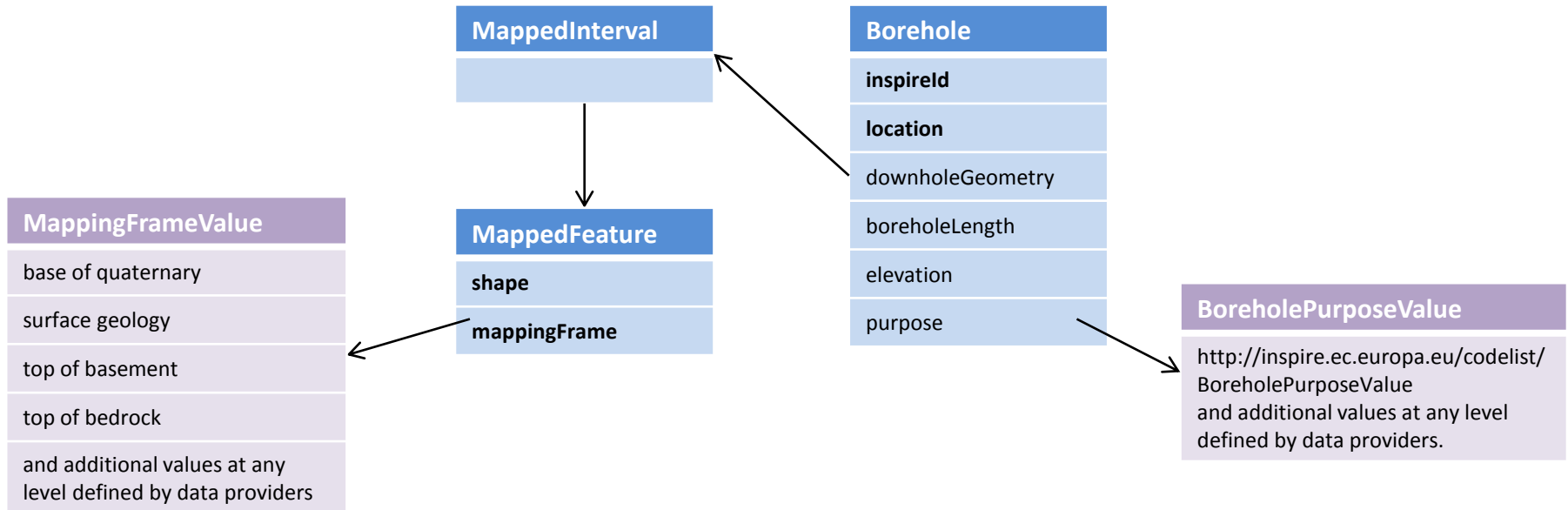
Geology – GeologiStructure



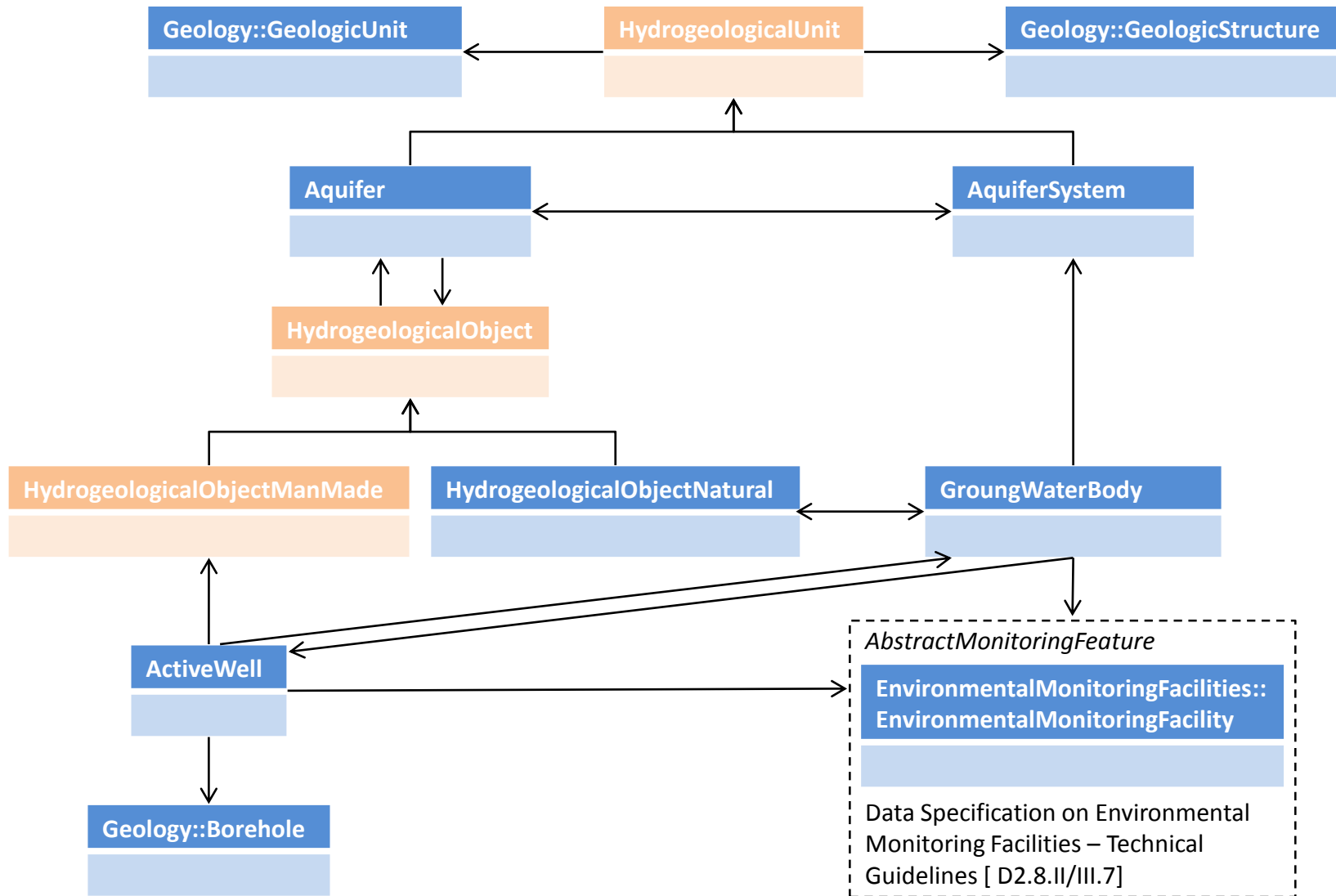
Geology – GeomorphologicFeature



Geology – Borehole

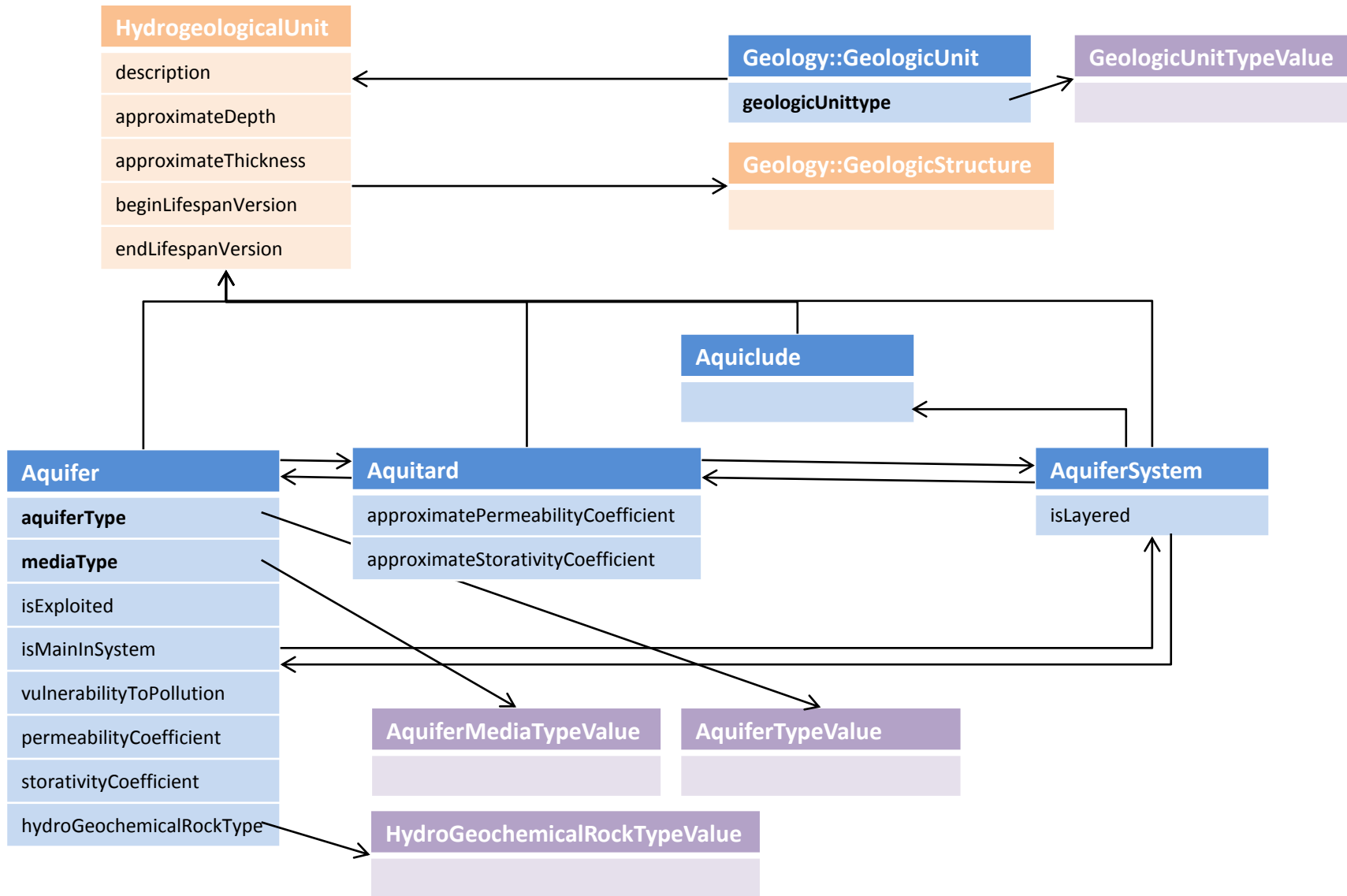


Hydrogeology – overview



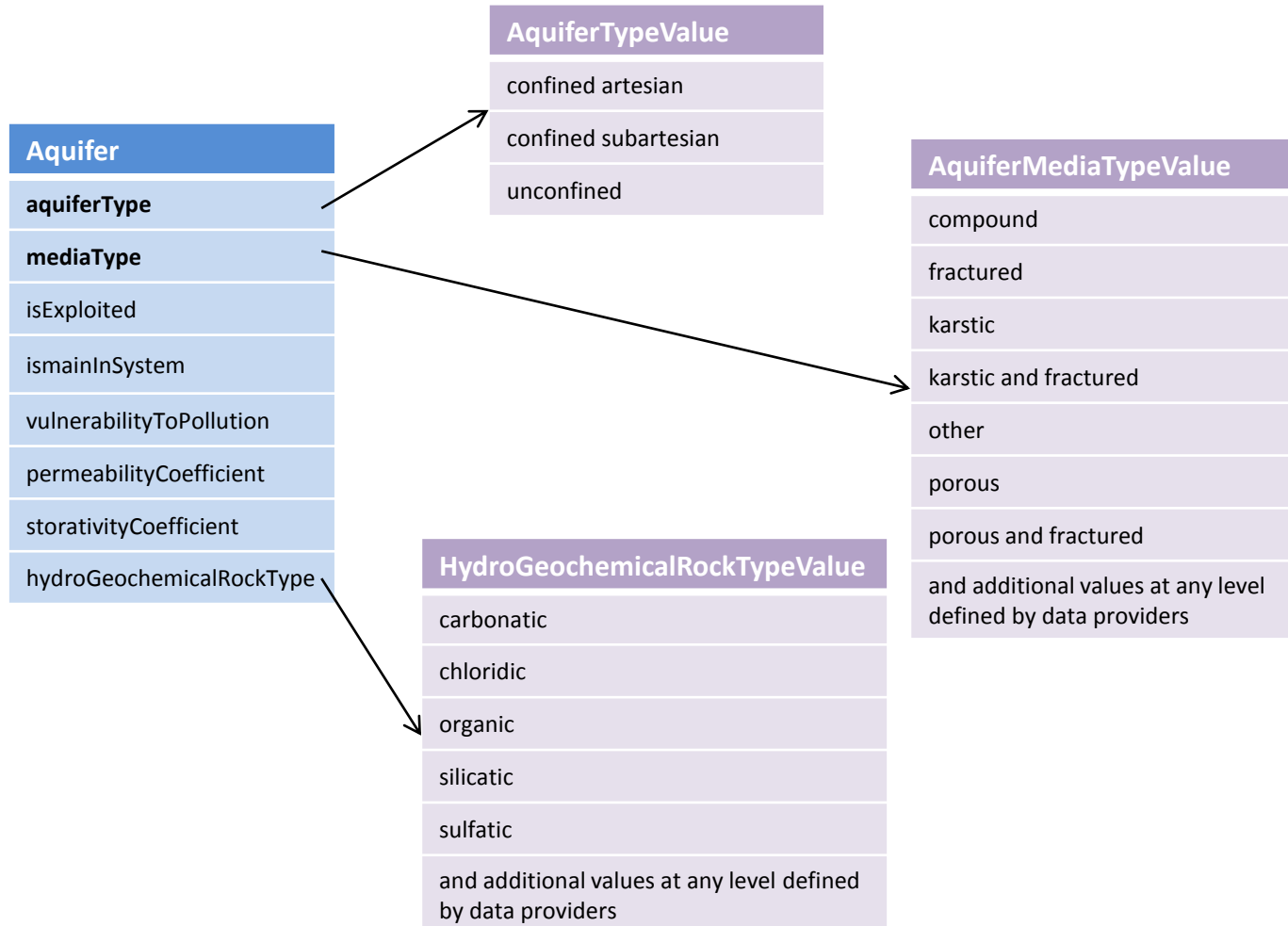
Hydrogeology

– HydrogeologyAquiferSystem

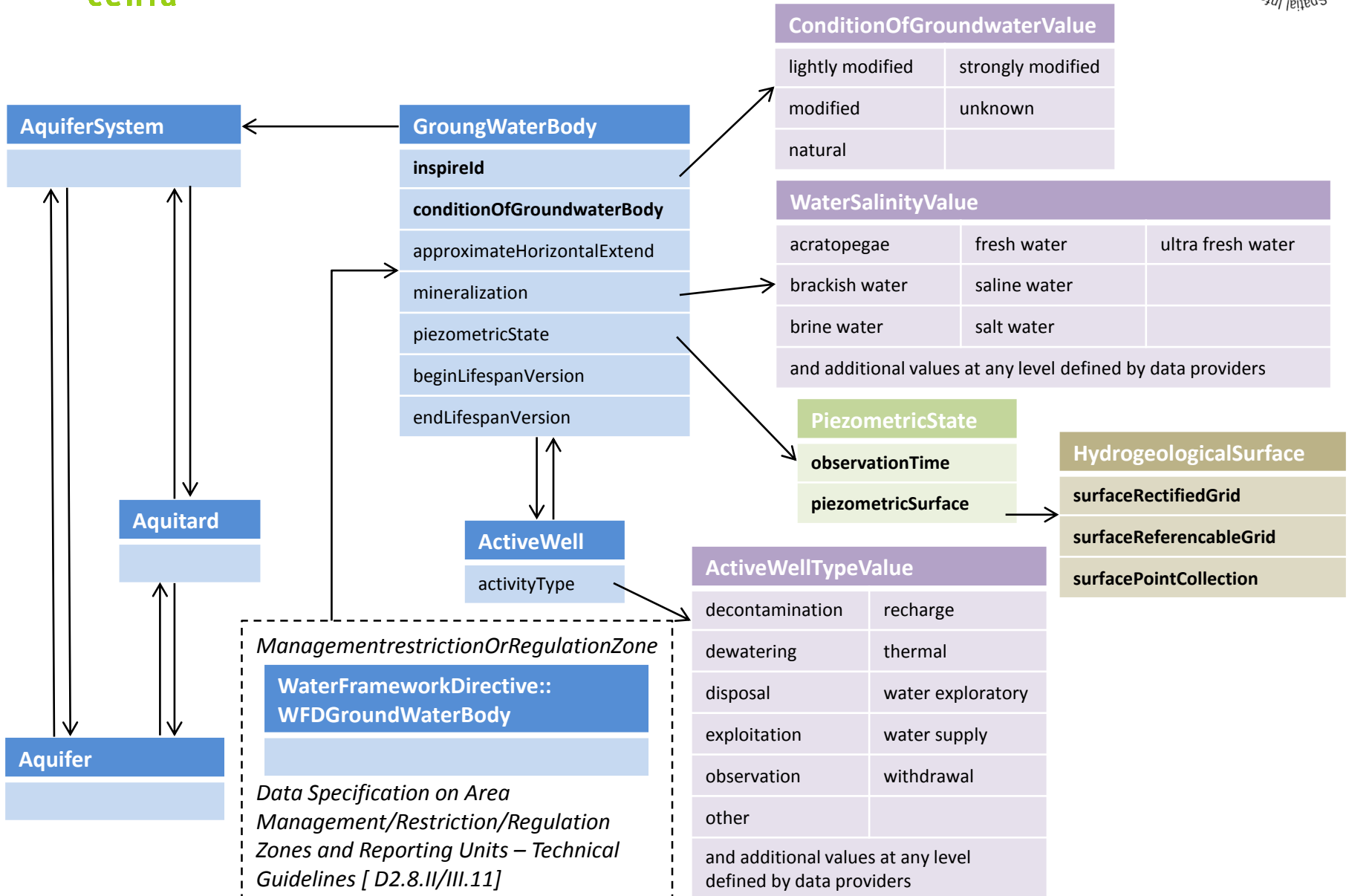


Hydrogeology

-Aquifer Code lists



Hydrogeology – HydrogeologySystem



NaturalObjectTypeValue	
fen	seep
not specified	spring
other	swallow hole
and additional values at any level defined by data providers	

HydrogeologicalObject	Aquifer
inspiid	
geometry	
name	
description	
beginLifespanVersion	
endLifespanVersion	

WaterPersistenceValue
ephemeral
intermittent
not specified
perennial
seasonal
and additional values at any level defined by data providers

HydrogeologicalObjectNatural
naturalObjectType
waterPersistence
approximateQuantityOfFlow

HydrogeologicalObjectManMade
validFrom
validTo
statusCode

StatusCodeValue
http://inspire.ec.europa.eu/codelist/StatusCodeTypeValue and additional values at any level defined by data providers

ActiveWell
activityType

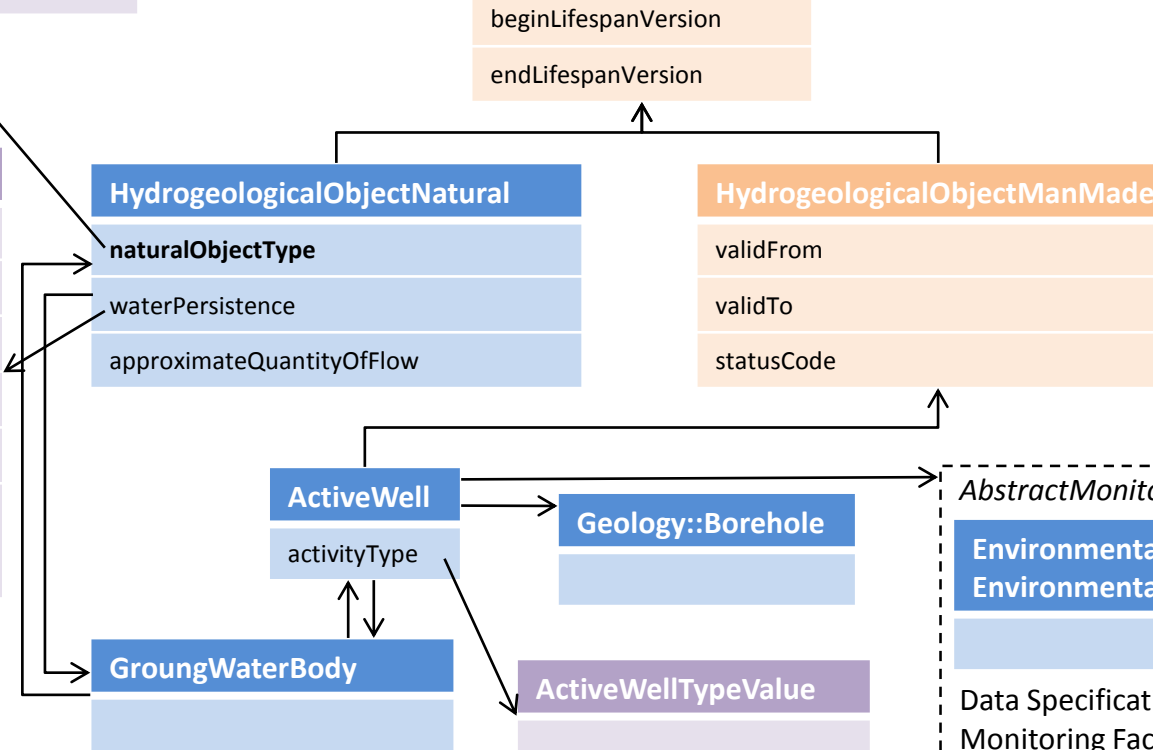
Geology::Borehole

ActiveWellTypeValue

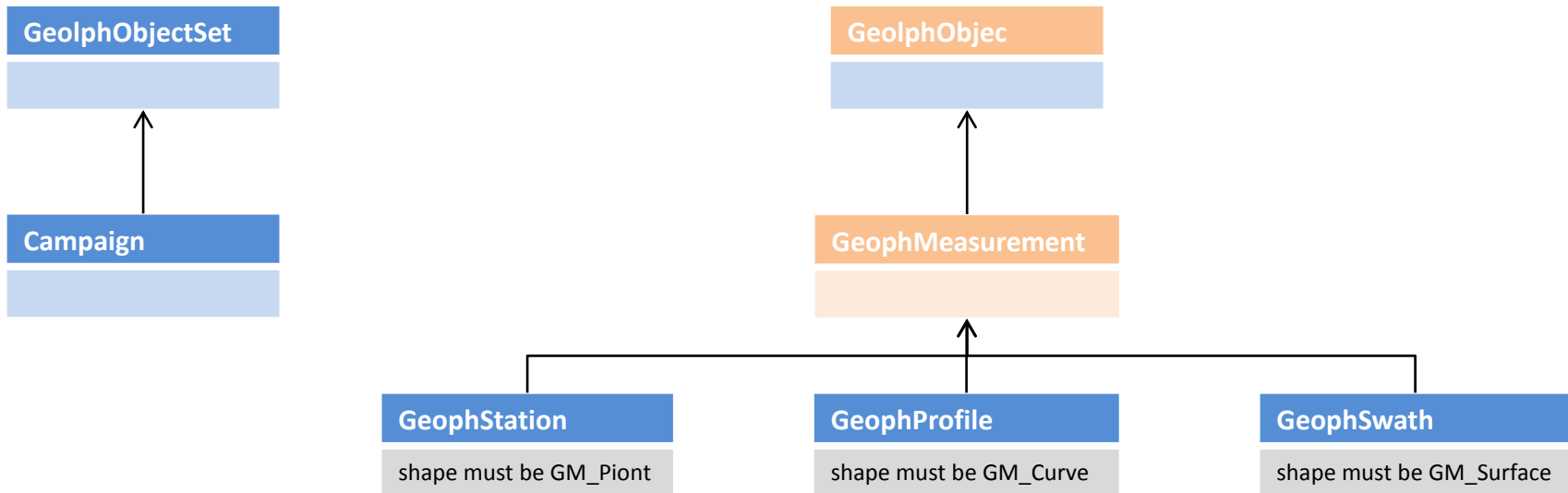
AbstractMonitoringFeature

EnvironmentalMonitoringFacilities:: EnvironmentalMonitoringFacility

Data Specification on Environmental Monitoring Facilities – Technical Guidelines [D2.8.II/III.7]



Geophysics – overview



Geophysics – Survey

spatialSamplingFeature:: SF_SpatialSamplingFeature
positionalAccuracy

INSPIRE D2.9 Guidelines for the use of Observations & Measurements and Sensor Web Enablement

GeolphObjectSet
inspireId
citation
projectedGeometry
verticalExtent
distributionInfo
largerWork
projectedGeometry must be GM_Point, GM_Curve or GM_Surface

Campaign
campaignType
surveyType
client
contractor
shape must be GM_Surface

CampaignTypeValue
interpretation
measurement
processing
and additional values at any level defined by data providers

SurveyTypeValue
http://inspire.ec.europa.eu/codelist/SurveyTypeValue and additional values at any level defined by data providers



Geophysics – Measurement

**spatialSamplingFeature::
SF_SpatialSamplingFeature**

positionalAccuracy

INSPIRE D2.9 Guidelines for the use of Observations & Measurements and Sensor Web Enablement

GeolphObjec

inspireId

citation

projectedGeometry

verticalExtent

distributionInfo

largerWork

projectedGeometry must be GM_Point, GM_Curve or GM_Surface

GeophMeasurement

platformType

relatedModel

relatedNetwork

GeophStation

stationType

stationRank

shape must be GM_Piont

GeophProfile

profileType

shape must be GM_Curve

GeophSwath

swathType

shape must be GM_Surface

PlatformTypeValue

fixed-wing airplane	land vehicle	satellite
ground	other	seafloor
helicopter	research vessel	

and additional values at any level defined by data providers

NetworkNameTypeValue

GSN	INTERMAGNET	UEGN
IMS	other	WDC

and additional values at any level defined by data providers

StationTypeValue

<http://inspire.ec.europa.eu/codelist/StationTypeValue>
and additional values at any level defined by data providers

StationRankValue

<http://inspire.ec.europa.eu/codelist/StationRankValue>
and additional values at any level defined by data providers

ProfileTypeValue

<http://inspire.ec.europa.eu/codelist/ProfileTypeValue>
and additional values at any level defined by data providers

SwathTypeValue

<http://inspire.ec.europa.eu/codelist/SwathTypeValue>
and additional values at any level defined by data providers