

Arearesource

Draft

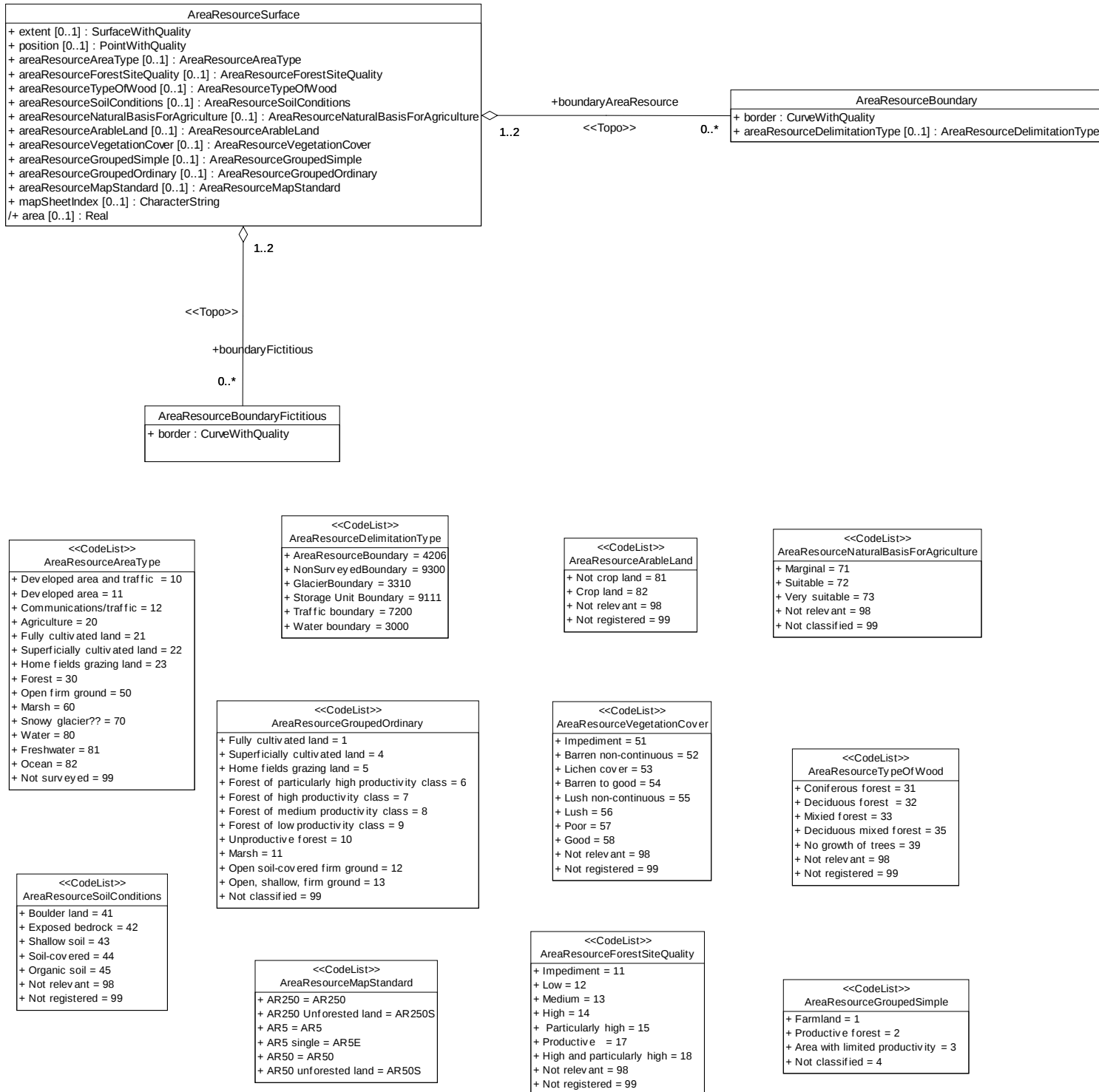


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1.1 Application schema



1.2 Description

1.2.1 AreaResourceSurface

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
1	Class AreaResourceSurface	a continuous area which has been assigned the same attribute values in accordance with an area resource classification system				
1.1	extent	area over which an object extends	0	1	SurfaceWithQuality	
1.2	position	location where the object exists	0	1	PointWithQuality	
1.3	areaResourceAreaType		0	1	AreaResourceAreaType	
1.4	areaResourceForestSiteQuality		0	1	AreaResourceForestSiteQuality	
1.5	areaResourceTypeOfWood		0	1	AreaResourceTypeOfWood	
1.6	areaResourceSoilConditions		0	1	AreaResourceSoilConditions	
1.7	areaResourceNaturalBasisForAgriculture		0	1	AreaResourceNaturalBasisForAgriculture	
1.8	areaResourceArableLand		0	1	AreaResourceArableLand	
1.9	areaResourceVegetationCover		0	1	AreaResourceVegetationCover	
1.10	areaResourceGroupedSimple		0	1	AreaResourceGroupedSimple	
1.11	areaResourceGroupedOrdinary		0	1	AreaResourceGroupedOrdinary	
1.12	areaResourceMapStandard		0	1	AreaResourceMapStandard	
1.13	mapSheetIndex		0	1	CharacterString	
1.14	area		0	1	Real	
1.15	Role boundaryAreaResource		0	N	AreaResourceBoundary	Aggregation
1.16	Role boundaryFictitious		0	N	AreaResourceBoundaryFictitious	Aggregation

1.2.2 AreaResourceBoundary

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
2	Class AreaResourceBoundary	delimitation for one or two area resource surfaces				
2.1	border	course following the transition between different real world phenomena	1	1	CurveWithQuality	
2.2	areaResourceDelimitationType		0	1	AreaResourceDelimitationType	
2.3	Role (unnamed) AreaResourceSurface		1	2	AreaResourceSurface	

1.2.3 AreaResourceBoundaryFictitious

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
3	Class AreaResourceBoundaryFictitious	delimitation between two area resource surfaces with identical attribute values				
3.1	border	course following the transition between different real world phenomena	1	1	CurveWithQuality	
3.2	Role (unnamed) AreaResourceSurface		1	2	AreaResourceSurface	

1.2.4 Association <<Topo>> AreaResourceSurface-AreaResourceBoundary

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
4	Association AreaResourceSurface- AreaResourceBoundary					
4.1	Role boundaryAreaResource		0	N	AreaResourceBoundary	Aggregation
4.2	Role (unnamed) AreaResourceSurface		1	2	AreaResourceSurface	

1.2.5 Association <<Topo>> AreaResourceSurface-AreaResourceBoundaryFictitious

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
5	Association AreaResourceSurface- AreaResourceBoundaryFictitious					
5.1	Role boundaryFictitious		0	N	AreaResourceBoundaryFictitious	Aggregation
5.2	Role (unnamed) AreaResourceSurface		1	2	AreaResourceSurface	

1.2.6 CodeLists

1.2.6.1 <<CodeList>> AreaResourceAreaType

Nr	Code name	Definition/Description	Code
1	CodeList AreaResourceAreaType	main categorization according to criteria for vegetation, natural drainage and cultural impact	
1.1	Developed area and traffic	FF-area which is used for traffic or houses	10
1.2	Developed area	FF-area which has been developed or significantly built up, along with adjacent areas with functions closely related to the development	11
1.3	Communications/traffic	FF-area used for communications/traffic	12
1.4	Agriculture	FF-fully cultivated land, superficially cultivated land, and home fields grazing land	20
1.5	Fully cultivated land	FF-farmland which is cultivated at ordinary ploughing depth, and which may be used for field crops or as meadow, or which may be reconditioned by ploughing.	21
1.6	Superficially cultivated land	FF-farmland which is mostly cleared and where the surface has been evened out, allowing for mechanical harvesting	22
1.7	Home fields grazing land	FF-farmland which can be used as grazing land, but which cannot be machine-harvested At least 50% of the acreage must be covered by some type of grass	23
1.8	Forest	FF-area with at least 60 trees per hectare which are or may become 5 metres tall, and which should be evenly distributed over the area	30
1.9	Open firm ground	FF-firm ground which is not farmland, forest, developed or used for communications purposes	50
1.10	Marsh	FF-area with marsh vegetation and a peat layer at least 30 cm thick	60
1.11	Snowy glacier??	FF-mix of snow and ice which does not melt during the summer	70
1.12	Water	FF-unspecified water surface	80
1.13	Freshwater	FF-lake and river	81
1.14	Ocean	FF-ocean	82
1.15	Not surveyed	FF-area of unknown character.	99

1.2.6.2 <<CodeList>> AreaResourceDelimitationType

Nr	Code name	Definition/Description	Code
2	CodeList AreaResourceDelimitationType	information relating to boundary retrieved from another set of data	
2.1	AreaResourceBoundary	FF-boundary toward another area resource surveyed area	4206
2.2	NonSurveyedBoundary	FF-boundary on a non-surveyed area	9300

2.3	GlacierBoundary	FF-boundary on a glacier	3310
2.4	Storage Unit Boundary	FF-boundary for storage unit	9111
2.5	Traffic boundary	FF-boundary on traffic area	7200
2.6	Water boundary	FF-boundary on water	3000

1.2.6.3 <<CodeList>> AreaResourceArableLand

Nr	Code name	Definition/Description	Code
3	CodeList AreaResourceArableLand	information concerning arable land on unforested land, and in marshes and forests	
3.1	Not crop land	FF-area which is not suitable for cultivation	81
3.2	Crop land	FF-area which is suitable for cultivation into fully cultivated land	82
3.3	Not relevant	FF-information concerning cultivatedland is not relevant	98
3.4	Not registered	FF-information concerning cultivated land is not available	99

1.2.6.4 <<CodeList>> AreaResourceSoilConditions

Nr	Code name	Definition/Description	Code
4	CodeList AreaResourceSoilConditions	categorization according to thickness, type and distribution of the soil cover	
4.1	Boulder land	FF-area which is mainly covered with boulders	41
4.2	Exposed bedrock	FF-area where more than 50% is exposed bedrock, and less than 10% has a soil depth of more than 30 cm	42
4.3	Shallow soil	FF-area where more than 50% has a soil depth of less than 30 cm, but which cannot be classified as exposed bedrock.	43
4.4	Soil-covered	FF-firm ground where more than 50% of the acreage has a soil depth of more than 30 cm	44
4.5	Organic soil	FF-area with a layer of organic soil thicker than 30 cm (20 cm)	45
4.6	Not relevant	FF-information concerning soil conditions is not relevant	98
4.7	Not registered	FF-information concerning ground conditions has not been registered	99

1.2.6.5 <<CodeList>> AreaResourceGroupedSimple

Nr	Code name	Definition/Description	Code
5	CodeList AreaResourceGroupedSimple	highly simplified categorization for use in thematic maps (The Agricultural Register, etc.)	
5.1	Farmland	FF-fully cultivated land, superficially cultivated land, and home fieldsgrazing land	1
5.2	Productive forest	FF-forest on firm ground, peat bog and marsh with forest productivity class: low or better	2

5.3	Area with limited productivity	FF-unforested land and marsh with forest productivity class: impediment	3
5.4	Not classified	FF-area which has been developed, traffic area, water, snowy glacier or not surveyed	4

1.2.6.6 <<CodeList>> AreaResourceGroupedOrdinary

Nr	Code name	Definition/Description	Code
6	CodeList AreaResourceGroupedOrdinary	simplified categorization for use in thematic maps (soil register, etc.)	
6.1	Fully cultivated land	FF-farmland which is cultivated to ordinary ploughing depth, and which may be used for field crops or as meadow, or which may be reconditioned by ploughing	1
6.2	Superficially cultivated land	FF-farmland which, for the most part, has been cleared and its surface evened out, allowing for mechanical harvesting	4
6.3	Home fields grazing land	FF-farmland which can be used as grazing land, but which cannot be machine-harvested Note: At least 50 % of the acreage must be covered by some type of grass	5
6.4	Forest of particularly high productivity class	FF-forest of particularly high productivity class on firm ground, peat bog and marsh	6
6.5	Forest of high productivity class	FF-forest of high productivity class on firm ground, peat bog and marsh	7
6.6	Forest of medium productivity class	FF-forest of medium productivity class on firm ground, peat bog and marsh	8
6.7	Forest of low productivity class	FF-forest of low productivity class on firm ground, peat bog and marsh	9
6.8	Unproductive forest	FF-unproductive forest	10
6.9	Marsh	FF-area with marsh vegetation and a peat layer at least 30 cm thick	11
6.10	Open soil-covered firm ground	FF-firm ground which is not forest or farmland, where more than 50% of the acreage has a soil depth of more than 30 cm	12
6.11	Open, shallow, firm ground	FF-firm ground which is not forest or farmland, where more than 50% has a soil depth of less than 30 cm or is covered by boulders	13
6.12	Not classified	FF-area which has been developed, traffic area, water, snowy glacier or not surveyed	99

1.2.6.7 <<CodeList>> AreaResourceMapStandard

Nr	Code name	Definition/Description	Code
7	CodeList AreaResourceMapStandard	information concerning which classification system has been used	
7.1	AR250		AR250
7.2	AR250 Unforested land		AR250S
7.3	AR5		AR5
7.4	AR5 single		AR5E
7.5	AR50		AR50

7.6	AR50 unforested land		AR50S
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1.2.6.8 <<CodeList>> AreaResourceNaturalBasisForAgriculture

Nr	Code name	Definition/Description	Code
8	CodeList AreaResourceNaturalBasisForAgriculture	information concerning the natural conditions for agriculture	
8.1	Marginal	FF-marginal farmland	71
8.2	Suitable	FF-suitable for agriculture	72
8.3	Very suitable	FF-very suitable for agriculture	73
8.4	Not relevant	FF-information concerning the natural basis for agriculture is not relevant	98
8.5	Not classified	FF-information concerning the natural basis for agriculture has not been registered	99

1.2.6.9 <<CodeList>> AreaResourceForestSiteQuality

Nr	Code name	Definition/Description	Code
9	CodeList AreaResourceForestSiteQuality	categorization according to the area's ability to produce wood	
9.1	Impediment	FF-less than 1.0 m ³ growth per hectare per year	11
9.2	Low	FF-1.0 - 3.0 m ³ growth per hectare per year	12
9.3	Medium	FF-3.0 - 5.0 m ³ growth per hectare per year	13
9.4	High	FF-5.0 - 10.0 m ³ growth per hectare per year	14
9.5	Particularly high	FF-more than 10.0 m ³ growth per hectare per year	15
9.6	Productive	FF-more than 1.0 m ³ growth per hectare per year	17
9.7	High and particularly high	FF-more than 5.0 m ³ growth per hectare per year	18
9.8	Not relevant	FF-information relating to the forest productivity class is not relevant	98
9.9	Not registered	FF-information relating to the forest productivity class has not been registered:	99

1.2.6.10 <<CodeList>> AreaResourceTypeOfWood

Nr	Code name	Definition/Description	Code
10	CodeList AreaResourceTypeOfWood	categorization according to the distribution of the crown cover between coniferous and deciduous trees	
10.1	Coniferous forest	FF-at least 50% of the area is covered by conifers	31
10.2	Deciduous forest	FF-less than 20% of the forested area is covered by conifers	32
10.3	Mixed forest	FF-between 20 and 50% of the forested area is covered by conifers	33

10.4	Deciduous mixed forest	FF-less than 50% of the forested area is covered by conifers	35
10.5	No growth of trees	FF-the area does not have sufficient trees to warrant the definition forest	39
10.6	Not relevant	FF-information concerning type of wood is not relevant	98
10.7	Not registered	FF-information concerning type of wood has not been registered	99

1.2.6.11 <<CodeList>> AreaResourceVegetationCover

Nr	Code name	Definition/Description	Code
11	CodeList AreaResourceVegetationCover	information concerning the lushness of the vegetation cover on unforested land	
11.1	Impediment	FF-No vegetation	51
11.2	Barren non-continuous	FF-barren to non-continuous vegetation cover	52
11.3	Lichen cover	FF-barren land with lichen	53
11.4	Barren to good	FF-barren to good vegetation cover	54
11.5	Lush non-continuous	FF-good to lush non-continuous vegetation cover	55
11.6	Lush	FF-good to lush vegetation cover	56
11.7	Poor	FF-lichen or other scraggy vegetation cover	57
11.8	Good	FF-good to lush vegetation cover	58
11.9	Not relevant	FF-information concerning vegetation cover is not relevant	98
11.10	Not registered	FF-information concerning vegetation cover has not been registered	99