

Grazing land

Draft

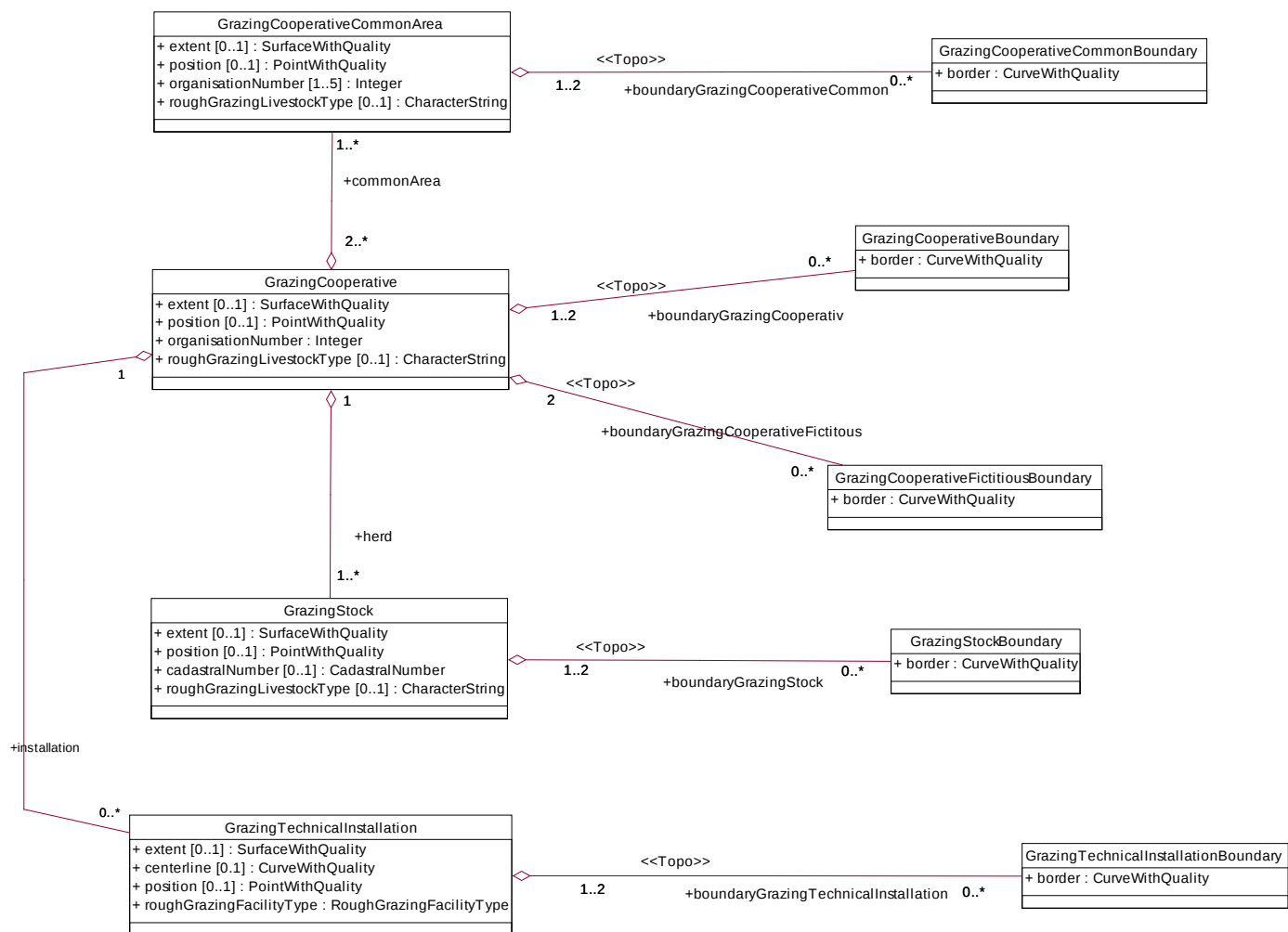


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1.1 Application schema



<<DataType>> CadastralNumber (from Land property, land parcels)
+ cadastralMunicipality : CadastralMunicipality + landNumber : Integer + titleNumber : Integer + leaseNumber [0..1] : Integer + unitNumber [0..1] : Integer

<<CodeList>> RoughGrazing???
+ ??Cordoning fence, permanent = 1 + Temporary cordoning fence = 2 + Grazing field = 3 + Capture arm?? = 4 + Bridge = 5 + Reindeer ??husbandry road = 6 + Boat transportation for reindeer = 7 + Reindeer facility in general = 8 + Branding/tagging fence = 10 + Separation/loading fence for reindeer = 11 + Combined fence (marking/slaughtering) = 12 + Field slaughtering facility = 13 + Mobile work fence = 14 + House for reindeer herders = 15 + Shepherd's shed/cabin, warming hut = 16 + Much used tent site = 17 ...

1.2 Description

1.2.1 GrazingStock

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
1	Class GrazingStock	area where the grazing livestock belong to one owner				
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	cadastralNumber	composite attribute containing cadastral municipality, land number and title number	0	1	CadastralNumber	
1.4	roughGrazingLivestockType	specification of which type of livestock grazes within an area	0	1	CharacterString	
1.5	Role boundaryGrazingStock		0	N	GrazingStockBoundary	Aggregation
1.6	Role (unnamed) GrazingCooperative		1	1	GrazingCooperative	

1.2.2 GrazingStockBoundary

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
2	Class GrazingStockBoundary	delimitation of a grazing stock area				
2.1	border	course following the transition between different real world phenomena	1	1	CurveWithQuality	
2.2	Role (unnamed) GrazingStock		1	2	GrazingStock	

1.2.3 GrazingCooperative

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
3	Class GrazingCooperative	area which is used by a grazing cooperative				
3.1	extent	area over which an object	0	1	SurfaceWithQu	

		extends			ality	
3.2	position	location where the object exists	0	1	PointWithQuality	
3.3	organisationNumber		1	1	Integer	
3.4	roughGrazingLivestockType	specification of which type of livestock graxes within an area	0	1	CharacterString	
3.5	Role boundaryGrazingCooperative		0	N	GrazingCooperativeBoundary	Aggregation
3.6	Role boundaryGrazingCooperativeFictitious		0	N	GrazingCooperativeFictitiousBoundary	Aggregation
3.7	Role herd		1	N	GrazingStock	Aggregation
3.8	Role commonArea		1	N	GrazingCooperativeCommonArea	Aggregation
3.9	Role installation		0	N	GrazingTechnicalInstallation	Aggregation

1.2.4 GrazingCooperativeCommonBoundary

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
4	Class GrazingCooperativeCommonBoundary	delimitation of grazing cooperative common area				
4.1	border	course following the transition between different real world phenomena	1	1	CurveWithQuality	
4.2	Role (unnamed) GrazingCooperativeCommonArea		1	2	GrazingCooperativeCommonArea	

1.2.5 GrazingCooperativeCommonArea

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
5	Class GrazingCooperativeCommonArea	area which is used by two or more grazing cooperatives, that is, where grazing cooperative areas overlap				
5.1	extent	area over which an object extends	0	1	SurfaceWithQuality	
5.2	position	location where the object exists	0	1	PointWithQuality	
5.3	organisationNum		1	5	Integer	

	ber					
5.4	roughGrazingLivestockType	specification of which type of livestock graxes within an area	0	1	CharacterString	
5.5	Role boundaryGrazing CooperativeCommon		0	N	GrazingCooperativeCommon Boundary	Aggregation
5.6	Role (unnamed) GrazingCooperative		2	N	GrazingCooperative	

1.2.6 GrazingCooperativeFictitiousBoundary

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
6	Class GrazingCooperativeFictitiousBoundary	fictitious delimitation of two grazing cooperative areas which overlap				
6.1	border	course following the transition between different real world phenomena	1	1	CurveWithQuality	
6.2	Role (unnamed) GrazingCooperative		2	2	GrazingCooperative	

1.2.7 GrazingCooperativeBoundary

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
7	Class GrazingCooperativeBoundary	delimitation of a grazing cooperative area				
7.1	border	course following the transition between different real world phenomena	1	1	CurveWithQuality	
7.2	Role (unnamed) GrazingCooperative		1	2	GrazingCooperative	

1.2.8 GrazingTechnicalInstallation

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
8	Class GrazingTechnicalInstallation	buildings, roads and facilities which are used and maintained by the grazing cooperatives for				

		their use of the grazing areas				
8.1	extent	area over which an object extends	0	1	SurfaceWithQuality	
8.2	centerline	course followed by the central part of the Object	0	1	CurveWithQuality	
8.3	position	location where the object exists	0	1	PointWithQuality	
8.4	roughGrazingFacilityType	specification of the type of technical facility established in connection with rough grazing	1	1	RoughGrazingFacilityType	
8.5	Role boundaryGrazingTechnicalInstallation		0	N	GrazingTechnicalInstallationBoundary	Aggregation
8.6	Role (unnamed) GrazingCooperative		1	1	GrazingCooperative	

1.2.9 GrazingTechnicalInstallationBoundary

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
9	Class GrazingTechnicalInstallationBoundary	delimitation of the area of a technical installation for grazing				
9.1	border	course following the transition between different real world phenomena	1	1	CurveWithQuality	
9.2	Role (unnamed) GrazingTechnicalInstallation		1	2	GrazingTechnicalInstallation	

1.2.10 Association <<Topo>> GrazingStock -GrazingStockBoundary

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
10	Association GrazingStock - GrazingStockBoundary					
10.1	Role boundaryGrazingStock		0	N	GrazingStockBoundary	Aggregation
10.2	Role (unnamed) GrazingStock		1	2	GrazingStock	

1.2.11 Association <<Topo>> GrazingCooperative- GrazingCooperativeBoundary

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
11	Association GrazingCooperative- GrazingCooperativeBoundary					
11.1	Role boundaryGrazing Cooperative		0	N	GrazingCooperativeBoundary	Aggregation
11.2	Role (unnamed) GrazingCooperative		1	2	GrazingCooperative	

1.2.12 Association <<Topo>> GrazingCooperative- GrazingCooperativeFictitiousBoundary

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
12	Association GrazingCooperative- GrazingCooperativeFictitiousBoundary					
12.1	Role boundaryGrazing CooperativeFictitious		0	N	GrazingCooperativeFictitiousBoundary	Aggregation
12.2	Role (unnamed) GrazingCooperative		2	2	GrazingCooperative	

1.2.13 Association <<Topo>> GrazingCooperativeCommonArea - GrazingCooperativeCommonBoundary

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
13	Association GrazingCooperativeCommonArea - GrazingCooperativeCommonBoundary					
13.1	Role boundaryGrazing CooperativeCommon		0	N	GrazingCooperativeCommonBoundary	Aggregation

	mon					
13.2	Role (unnamed) GrazingCooperativeCommonArea		1	2	GrazingCooperativeCommonArea	

1.2.14 Association <<Topo>> GrazingTechnicalInstallation-GrazingTechnicalInstallationBoundary

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
14	Association GrazingTechnicalInstallation-GrazingTechnicalInstallationBoundary					
14.1	Role boundaryGrazingTechnicalInstallation		0	N	GrazingTechnicalInstallationBoundary	Aggregation
14.2	Role (unnamed) GrazingTechnicalInstallation		1	2	GrazingTechnicalInstallation	

1.2.15 Association GrazingCooperative-GrazingStock

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
15	Association GrazingCooperative-GrazingStock					
15.1	Role herd		1	N	GrazingStock	Aggregation
15.2	Role (unnamed) GrazingCooperative		1	1	GrazingCooperative	

1.2.16 Association GrazingCooperative-GrazingCooperativeCommonArea

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrence	Type	Constraint
16	Association GrazingCooperative-GrazingCooperativeCommonArea					
16.1	Role commonArea		1	N	GrazingCooperativeCommonArea	Aggregation
16.	Role		2	N	GrazingCooperative	

2	(unnamed) GrazingCooperat ive				ative	
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1.2.17 Association GrazingCooperative-GrazingTechnicalInstallation

No	Name/ Role name	Description	Obligation/ Condition	Maximum Occurrenc e	Type	Constraint
17	Association GrazingCooperat ive- GrazingTechnical Installation					
17. 1	Role installation		0	N	GrazingTechni calInstallation	Aggregatio n
17. 2	Role (unnamed) GrazingCooperat ive		1	1	GrazingCooper ative	

1.2.17.1 CodeLists

1.2.17.1.1 <<CodeList>> RoughGrazing???

Nr	Code name	Definition/Description	Code
1	CodeList RoughGrazing???	spesifikasjon av type teknisk anlegg som er etablert i forbindelse med utmarksbeite	
1.1	??Cordoning fence, permanent		1
1.2	Temporary cordoning fence		2
1.3	Grazing field		3
1.4	Capture arm??		4
1.5	Bridge		5
1.6	Reindeer ??husbandry road		6
1.7	Boat transportation for reindeer		7
1.8	Reindeer facility in general		8
1.9	Branding/tagging fence		10
1.10	Separation/loading fence for reindeer		11
1.11	Combined fence (marking/slaughtering)		12
1.12	Field slaughtering facility		13
1.13	Mobile work fence		14
1.14	House for reindeer herders		15
1.15	Shepherd's shed/cabin, warming hut		16
1.16	Much used tent site		17
1.17	Turf hut		18
1.18	Boathouse/storeroom		19
1.19	Drove road, footpath		20
1.20	Drove road, driving route		21
1.21	Collecting / separating pen		22
1.22	Marsh with drainage ditches		23
1.23	??Quay/Pier / wharf		24
1.24	CattleGrating		25
1.25	??Salting place / Salt lick		26
1.26	Structure erected to prevent (animals) getting stuck (in the mountains)		27

1.27	Crossing point in cordoning fence		28
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	??Gathering/Collecting trap	
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