

Classification correctness in ETS

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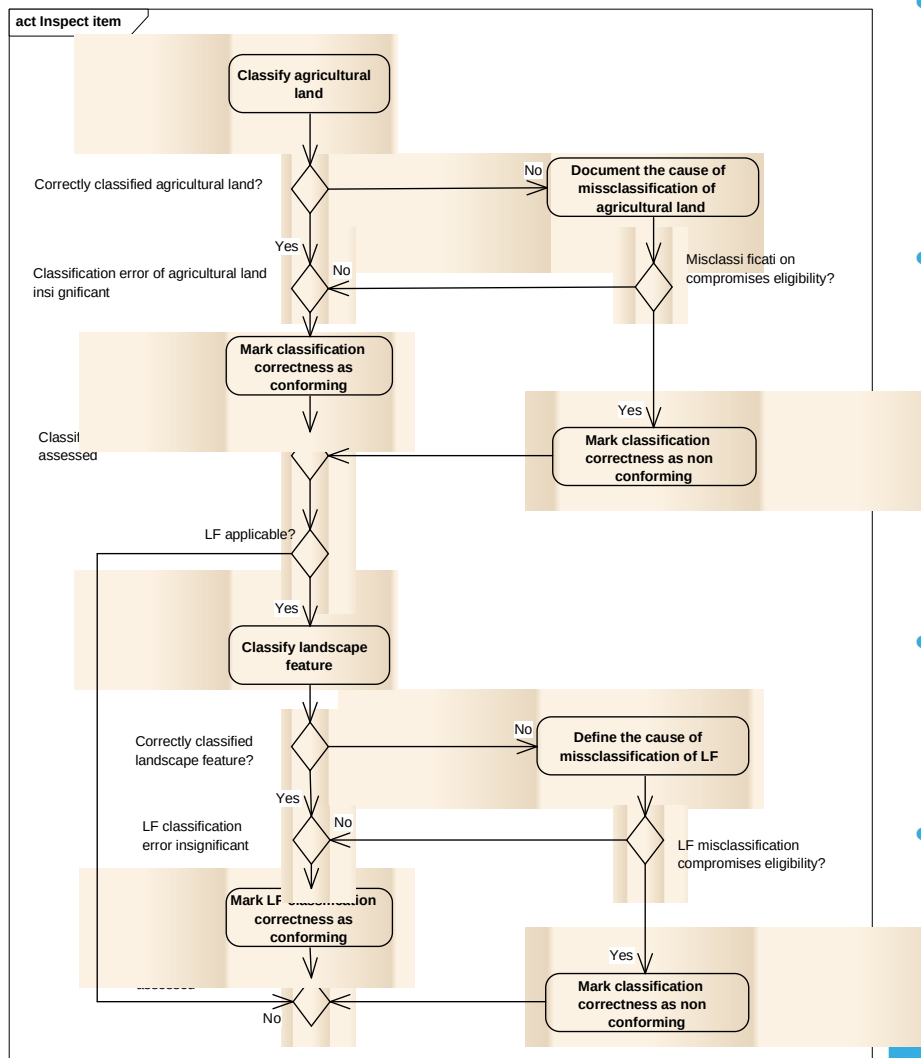


Background

- In ETS not eligibility, but land cover classes are mapped (measured)
- Land cover classes are listed in the eligibility profile that are applicable to agricultural area
landscape features
- So far
distinction between different eligible land cover types has not been crucial
Ineligible land cover types were picked by critical defects, contaminations, and
area non-conformity
- With greening some LC types play distinguished role
permanent grassland
classification may have consequences on declarations and payments
- For assessing how well the “green” payments are supported by LPIS it is
useful to look in classification correctness
- Classification correctness also helps to find out typical errors (even when
eligibility is not compromised)

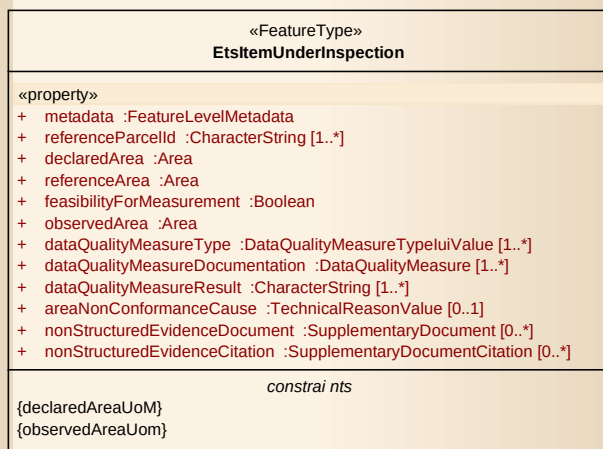
ETS workflow

Diagram fragment

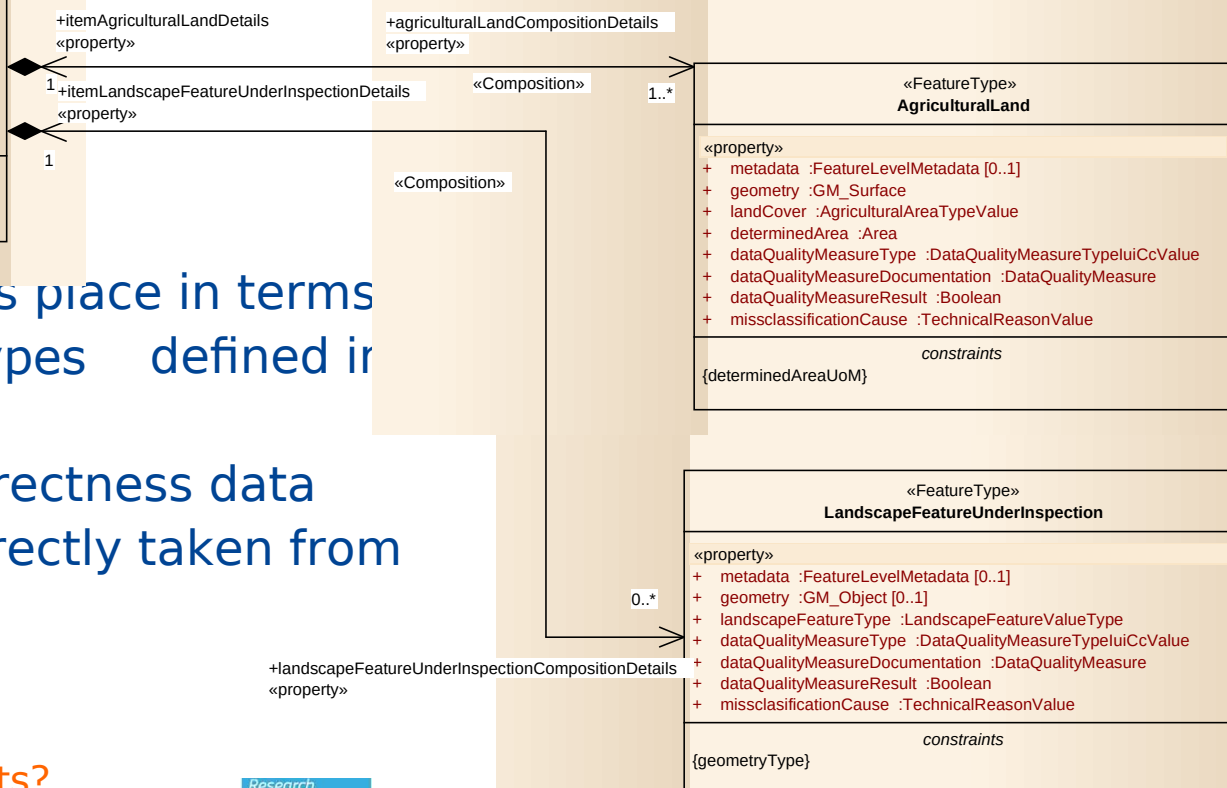


- Delineation/classification of LC types present in the reference parcel was already part of previous ETS versions
- However there was no need with comparing ETS observation with data values recorded in LPIS
For assessment it is necessary to record the observed type and the classification correctness value
- Recording observed type is needed for overall assessment at sample level (misclassification matrix)
- The conceptual model must accommodate the necessary information

GML Quality assesment framework



- Assessing the classification correctness is relevant to agricultural land and landscape features present in the item under inspection

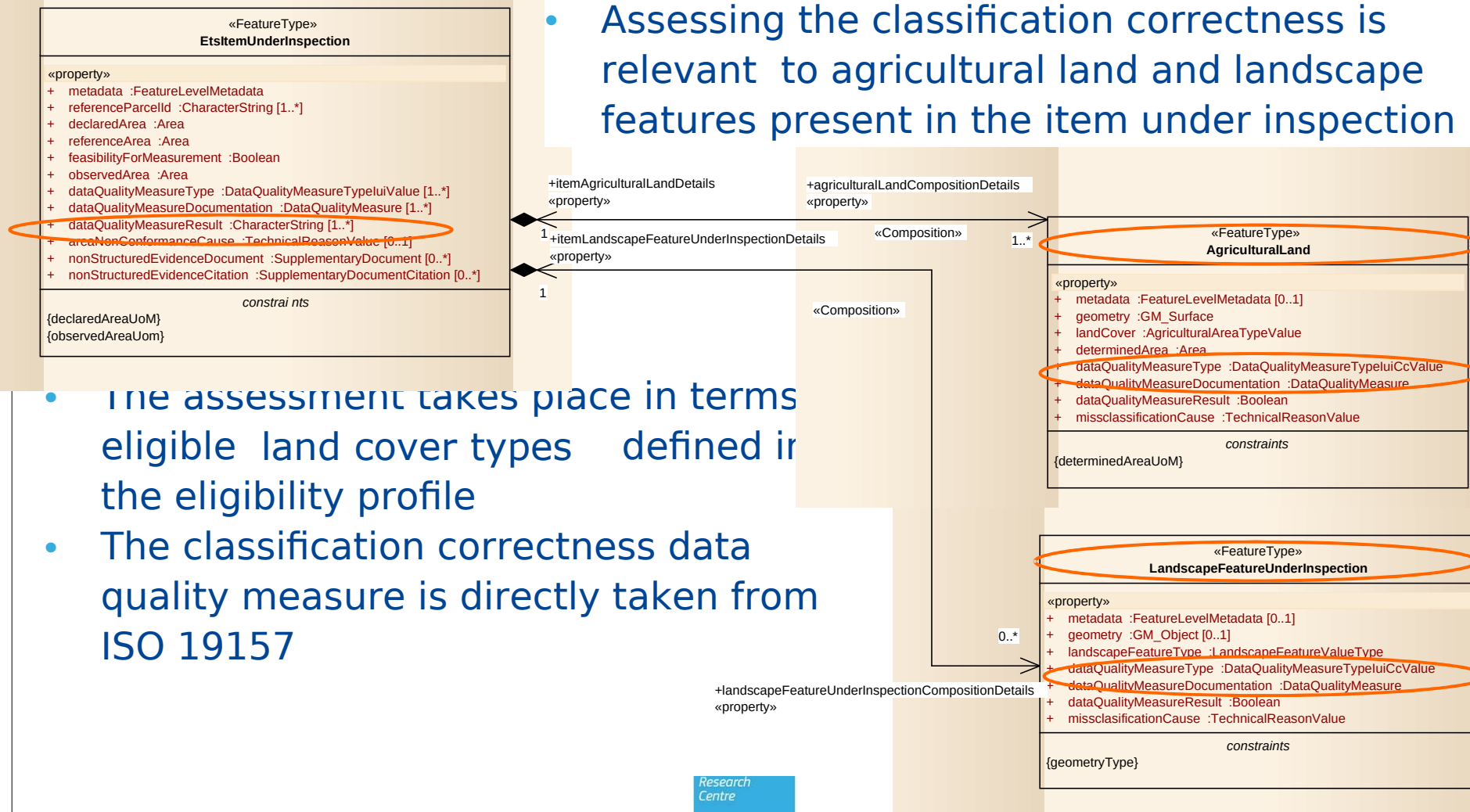


- The assessment takes place in terms of eligible land cover types defined in the eligibility profile
- The classification correctness data quality measure is directly taken from ISO 19157

Where are the related elements?

GML Quality assesment framework

- Assessing the classification correctness is relevant to agricultural land and landscape features present in the item under inspection

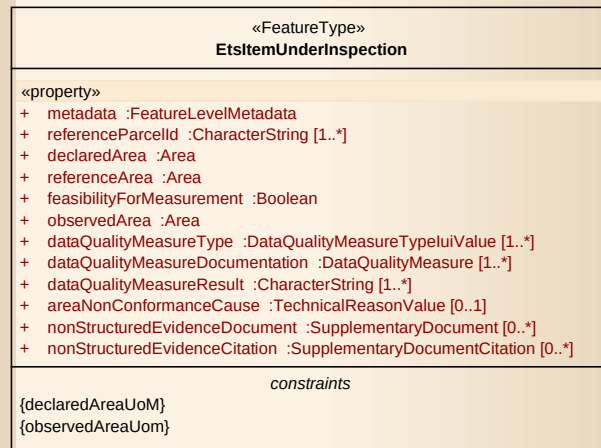


- The assessment takes place in terms of eligible land cover types defined in the eligibility profile
- The classification correctness data quality measure is directly taken from ISO 19157



GML Quality assesment framework

What is missing from this model?



+itemAgriculturalLandDetails
«property»

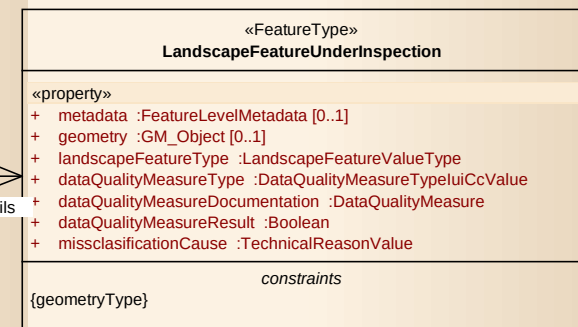
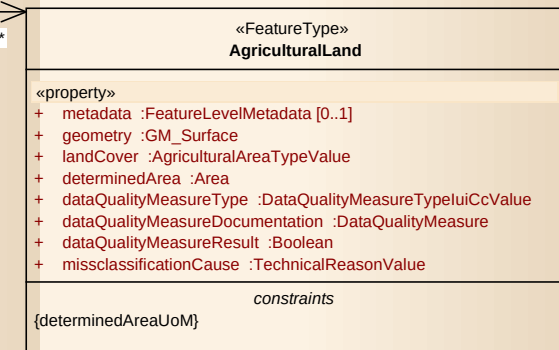
+agriculturalLandCompositionDetails
«property»

1
+itemLandscapeFeatureUnderInspectionDetails
«property»

«Composition»

1..*

«Composition»

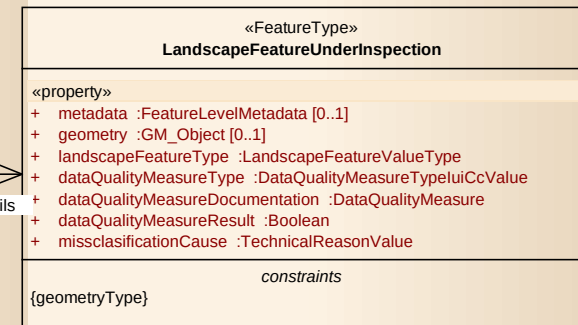
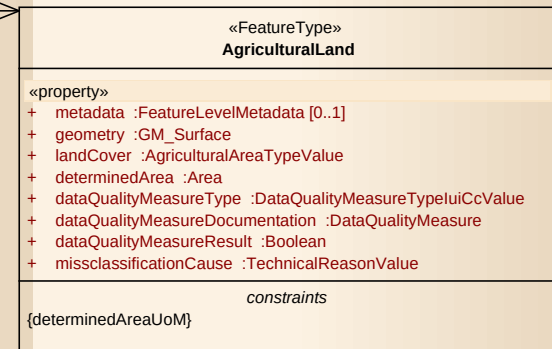
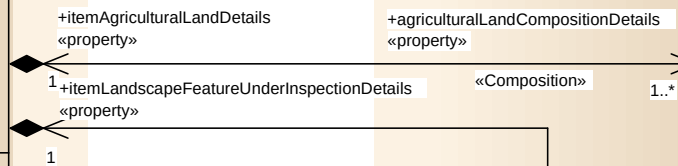
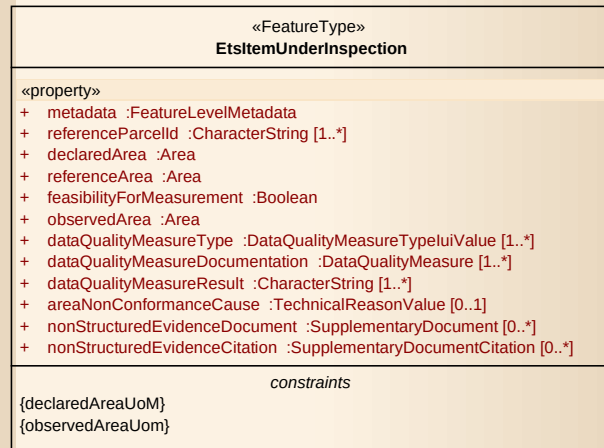


+landscapeFeatureUnderInspectionCompositionDetails
«property»

0..*

GML Quality assesment framework

- No property has been defined for the recorded LC type



+landscapeFeatureUnderInspectionCompositionDetails
«property»