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Requirements for an EGN Local Service

Geodan

Overview of requirements

- Accessible by the EGN Central Service through HTTP(S) using a known URL.
- A Basic WFS according to the OGC Web Feature Service Implementation Specification version 1.1.0.
- The WFS should be able to produce XLinks referring to elements within the same XML document to prevent multiple occurrences of the same element.
- Support for GET requests is sufficient; support for POST is not required by EGN.
- All coordinates should be in the ETRS89 coordinate system (EPSG:4258).

GetCapabilities

“A web feature service must be able to describe its capabilities. Specifically, it must indicate which feature types it can service and what operations are supported on each feature type. “

An example capabilities document will be prepared by the consortium and send to all NMCA's.

DescribeFeatureType

“A web feature service must be able, upon request, to describe the structure of any feature type it can service. “

This request should produce a valid GML 3 application schema describing the feature types. The application schema will be made as soon as the EGN data model is finalized. All NMCA will receive a copy of this application schema.

GetFeature

“A web feature service must be able to service a request to retrieve feature instances. In addition, the client should be able to specify which feature properties to fetch and should be able to constrain the query spatially and non-spatially. “

An EGN Local Service should support all spatial operators that are listed in the OGC Filter Encoding Implementation Specification.