An aerial photograph of a dark blue lake surrounded by a dense forest with vibrant autumn foliage in shades of yellow, orange, and green. A white geometric overlay, resembling a network or map, is visible in the upper right corner of the image.

Technical issues concerning EBM and ERM

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EG Producer Meeting, online, 22nd / 23rd September 2020

Agenda

- Transnational watercourse features
- Fictitious axes
- Modelling of named locations
- Problems with named locations
- Handling of missing attribute values
- Update of ERM Specification

Transnational watercourse features

- Transnational watercourse features
= Line or polygon watercourses (WatcrsL, WatcrsA/LakeresA) that cross the International Boundary
- Creation of HYDRO-ID with centralized ID service in the Production Management System to avoid duplication:
 - Features which cross countries within one ERM region: Regional Coordinator
 - Features which cross ERM regions: Production Management Team at BKG
 - Namespace of this feature starts with “E.EG.”
- Transnational watercourse are features which are not marked as such at the moment: Please mark them and start with watercourses that have a name



EBM, ERM and EGM Production Management System

ID-Generator. centrally organized and generated unique ID's

Thematic or Inspire

Thematic ▼

Country (choose EG for european tasks):

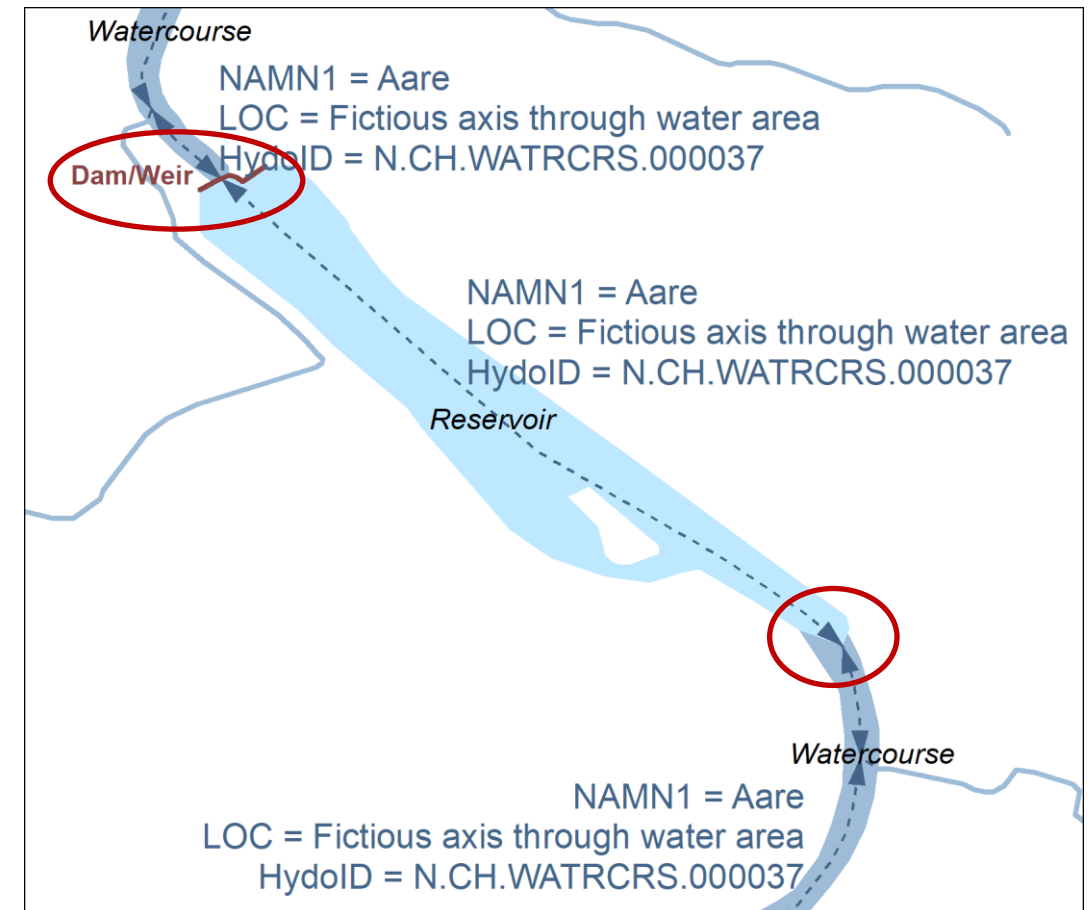
EG ▼

Product:

ERM ▼

Fictitious axes

- Fictitious axes have to be split
 - At dams
 - In case of changes in type of the watercourse (WatcrsA/LakeresA)
- Topological rule: (H080)
Fictitious axes are well inside water area

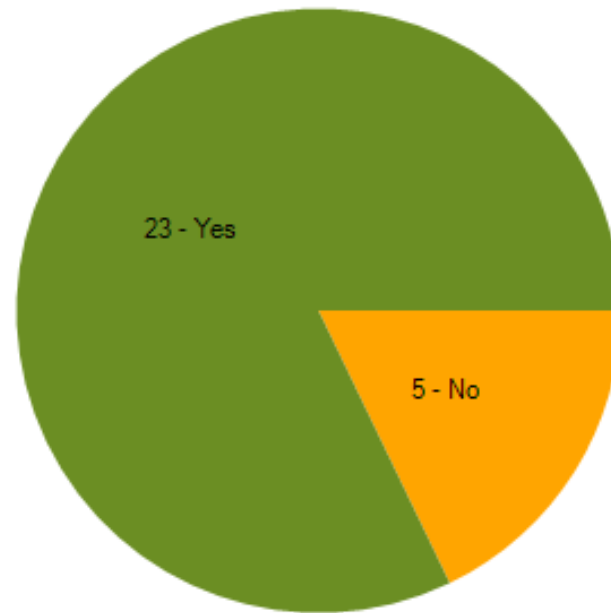


Modelling of named locations

- GNameL had to be created from GNameT with an ArcGIS Geoprocessing tool
- This tool doesn't work properly with ArcGIS 10
 - we can't create GNameL
- GNameT is an Annotation Feature Class, which is an ESRI format
 - only ArcGIS can display it

Modelling of named locations

- Poll, question 5: Would it be possible for you to update the line feature class GNameL instead of the annotation feature class GNameT?



answers with No:

DE
FR
PL
ND
SE

Modelling of named locations

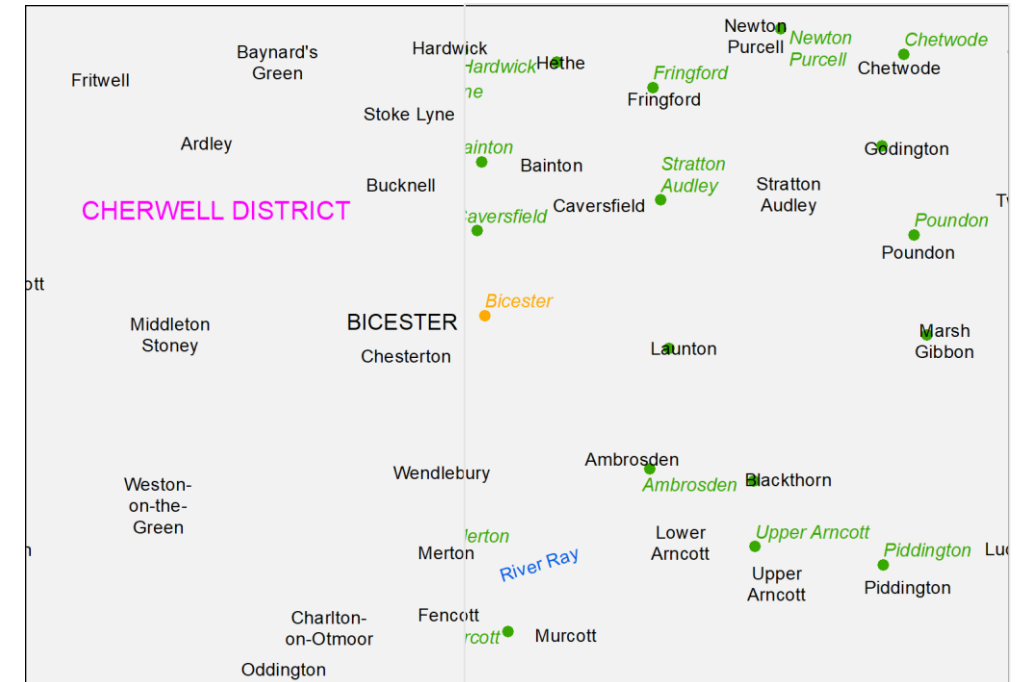
- As a result, we will only use GNameL feature class for named locations
→ you don't need to deliver GNameT any more!
- PMT will ask the countries which answered „no“ how we will deal with updating

Problems with named locations

Examples



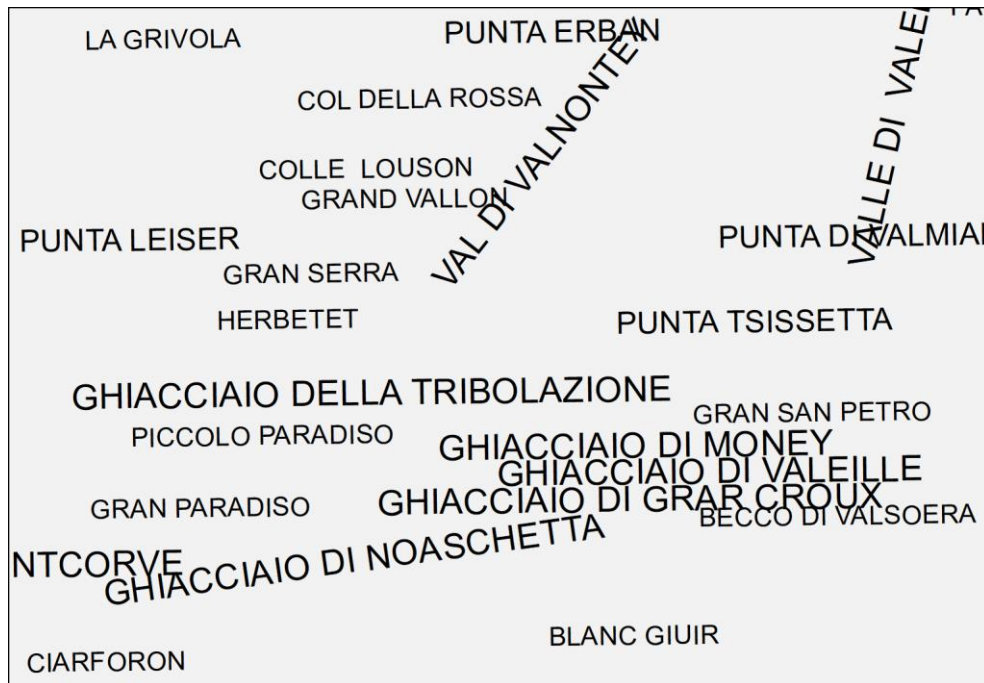
Mountain range, peaks with heights ☺
Different colour of peaks ☺



Settlements with names
which are also available in BuiltupP
(orange and green in the example) ☹

Problems with named locations

Examples



Labelling not suitable for maps ☹

Handling of missing attribute values

- Missing attribute values:
 - If information is missing for any reason then the value will be UNK or -32768
 - Easy to understand for Data Producers and Users
 - Simplification of validation

Attribute type	<ul style="list-style-type: none">- Information cannot be applied- Information is missing- Information exists but has not been collected- Information doesn't exist
Text	UNK
Integer	-32768

Update of ERM Specification

- The ERM specification is on overhaul to
 - have the same structure like the EBM specification
 - get rid of the “User guide” -> all relevant information for the costumer is in the specification, metadata or lineage information
 - avoid duplicate statements

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Thank you for your attention

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