

The background of the slide is an aerial photograph of a coastline. On the left, turquoise waves with white foam break onto a sandy beach. To the right of the beach is a dark asphalt road. Further right, the land is covered in green vegetation, and a white geometric pattern of lines is overlaid on the image.

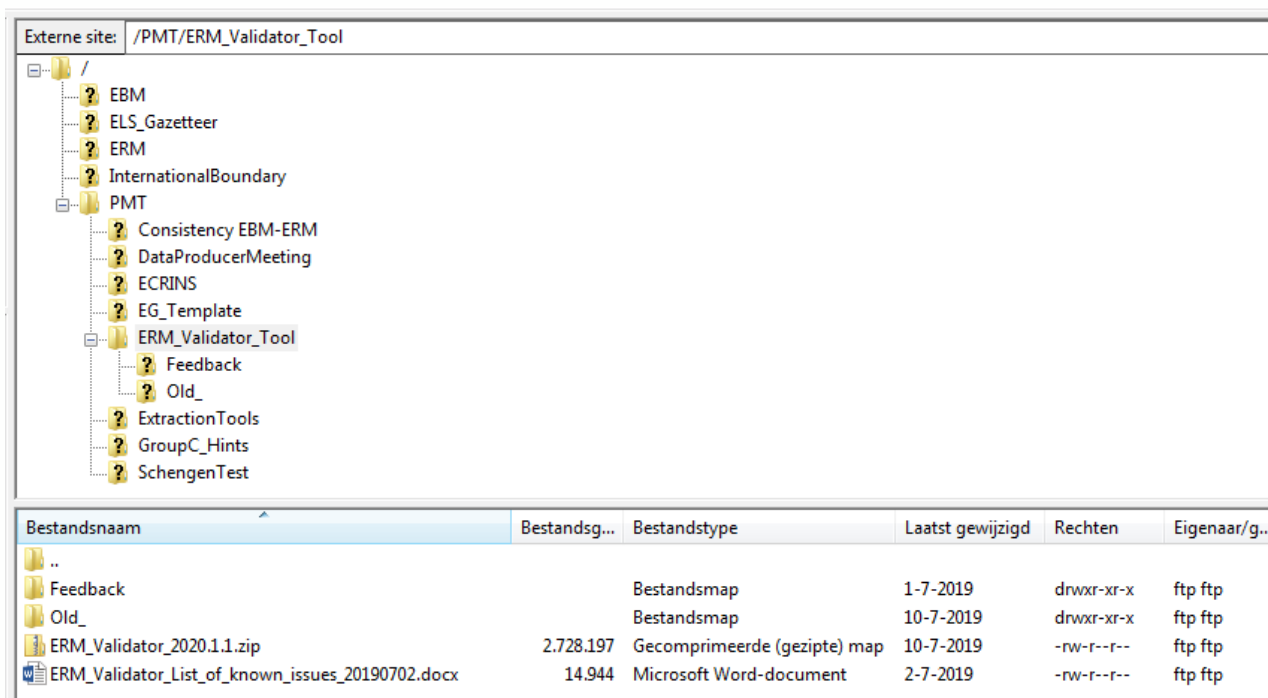
ERM Validator

Marieke Kuijer and Tony Baving,
Kadaster NL

ERM Validator 2020.1.1

On BKG-ftp server – since 10 July 2019

Externe site: /PMT/ERM_Validator_Tool

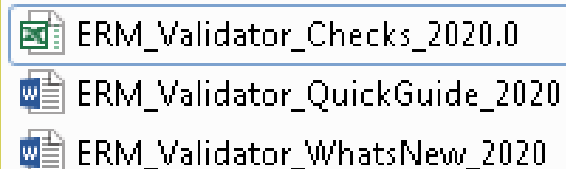
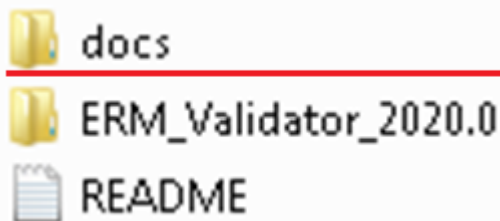


Bestandsnaam	Bestandsg...	Bestandstype	Laatste gewijzigd	Rechten	Eigenaar/g...
Feedback		Bestandsmap	1-7-2019	drwxr-xr-x	ftp ftp
Old_		Bestandsmap	10-7-2019	drwxr-xr-x	ftp ftp
ERM_Validator_2020.1.1.zip	2.728.197	Gecomprimeerde (gezipte) map	10-7-2019	-rw-r--r--	ftp ftp
ERM_Validator_List_of_known_issues_20190702.docx	14.944	Microsoft Word-document	2-7-2019	-rw-r--r--	ftp ftp


What's new

- Documentation (Quick Guide / What's New)
- Fixes (e.g. ...)
 - H016: Minimum length check has been adjusted to reduce the number of false positives.
 - H008, M007, P007, T008, V006: Minimum vertex distance check has been adjusted: 0-distance vertices are not reported anymore.
 - P029: Check failed to run properly in certain cases.
 - P036: Fixed incorrect join queries, which resulted in false errors to be reported.
- Improvements (e.g. ...)
 - H069, M040, P027, T067: NLNx fields are now checked against a list of valid language codes.
 - FME consistency checks EBM-ERM from BKG are now integrated. A new Validation Code (P036) has been assigned to this check.
- Other changes
 - The Parameter screen has been updated (adding EBM Database parameter, changing parameter names, adding and changing information to Help section)
 - The tool now uses the EuroGeographics countrycodes instead of ISO/ICC codes. The ICC_codes.txt file has been adjusted and renamed accordingly.

Zip-file -> docs



	Validation code	Check	Implemented in ERM Validator 2020 tool?
General Data Delivery	H001	feature classes AQEDCTL, COASTA, COASTL, DAML, DAMC, LAKERESA, LANDICEA, ISLANDA, SEAA, SEASTRTL, SPRINGP, SPRINGC, SWAMPA, RAPIDSL, RAPIDSC, WATRCRSA, WATCRSL, WELLP	<input checked="" type="checkbox"/>
	H002	coordinate system (GEOGRAPHIC, decimal degrees)	<input checked="" type="checkbox"/>
	H003	map extent ($-25^{\circ} < \text{Latitude} < 40^{\circ}$ and $30^{\circ} < \text{Phi} < 80^{\circ}$)	<input checked="" type="checkbox"/>
	H004	mandatory feature classes COASTA, COASTL, DAML, DAMC, LAKERESA, LANDICEA(BJ030), ISLANDA, SEAA, SWAMPA, WATRCRSA, WATCRSL must have features	<input checked="" type="checkbox"/>
Geometric resolution (Tested in projection ETRS89 LAEA)	H005	Empty or missing tables	<input checked="" type="checkbox"/>
	H006	Valid Geometry	<input checked="" type="checkbox"/>
	H007	minimum allowed area size: 60 000m ²	<input checked="" type="checkbox"/>
	H008	minimum allowed distance between vertices of line and area features: 5m	<input checked="" type="checkbox"/>
	H009	minimum allowed length of a line segment: 50m	<input checked="" type="checkbox"/>
	H010	statistics of average distance between vertices	<input type="checkbox"/>
Selection criteria (Tested in projection ETRS89 LAEA)	H011	The number of LAKERESA less than 400 000m ²	<input checked="" type="checkbox"/>
	H012	The number of WATRCRSA less than 200 000m ²	<input checked="" type="checkbox"/>
	H013	The number of SWAMPA, LANDICEA less than 400 000m ²	<input checked="" type="checkbox"/>
	H014	The number of ISLANDA less than 400 000m ²	<input checked="" type="checkbox"/>
	H015	The number of dams and locks less than 125m	<input checked="" type="checkbox"/>
	H016	The number of dangling AQEDCTL, WATCRSL shorter than 1600m	<input checked="" type="checkbox"/>
	H017	The number of shoreline construction (SEASTRTL) shorter than 125m	<input checked="" type="checkbox"/>
	H018	geometrical definitions (polygon, polyline, point)	<input checked="" type="checkbox"/>
Data Model and attributes structure	H019	attributes: complete list, ordering, definition	<input checked="" type="checkbox"/>
	H020	attributes: has core attributes (FCSubtype, inspireId, beginLifespanVersion, F_CODE, ICC, SN)	<input checked="" type="checkbox"/>
	H021	correct value of ICC (all FCs)	<input checked="" type="checkbox"/>
	H022	Name attribute: no special character in NAMA1 or NAMA2	<input checked="" type="checkbox"/>
	H023	allowed attribute values for COASTA (MCC, NAMxx)	<input checked="" type="checkbox"/>
	H024	allowed attribute values for ISLANDA (NAMxx)	<input checked="" type="checkbox"/>
	H025	allowed attribute values for LAKERESA (HYP, HydroID, TID, ZV2, NHI, NAMxx)	<input checked="" type="checkbox"/>




EuroRegionalMap
Pan-European Dataset at Medium Scale

Quick Guide
- Product version for ERM 2020 -

Security identifier level: Relevance to EuroGeographics description
Producer Manager: Federal Agency for Cartography and Geodesy, BKG
Regional Contributors: Belgium (The Netherlands), NGA-F (France), OS-Cameroon (Senegal), GSV (Germany), GRC (Republic of Greece)

Number of pages: 6 pages
File name: ERM_Validator_QuickGuide.docx
Date: 18 March 2019



EuroRegionalMap
Pan-European Dataset at Medium Scale

What's New in ERM Validator 2020.0
- Product version for ERM 2020 -

Security identifier level: Relevance to EuroGeographics description
Producer Manager: Federal Agency for Cartography and Geodesy, BKG
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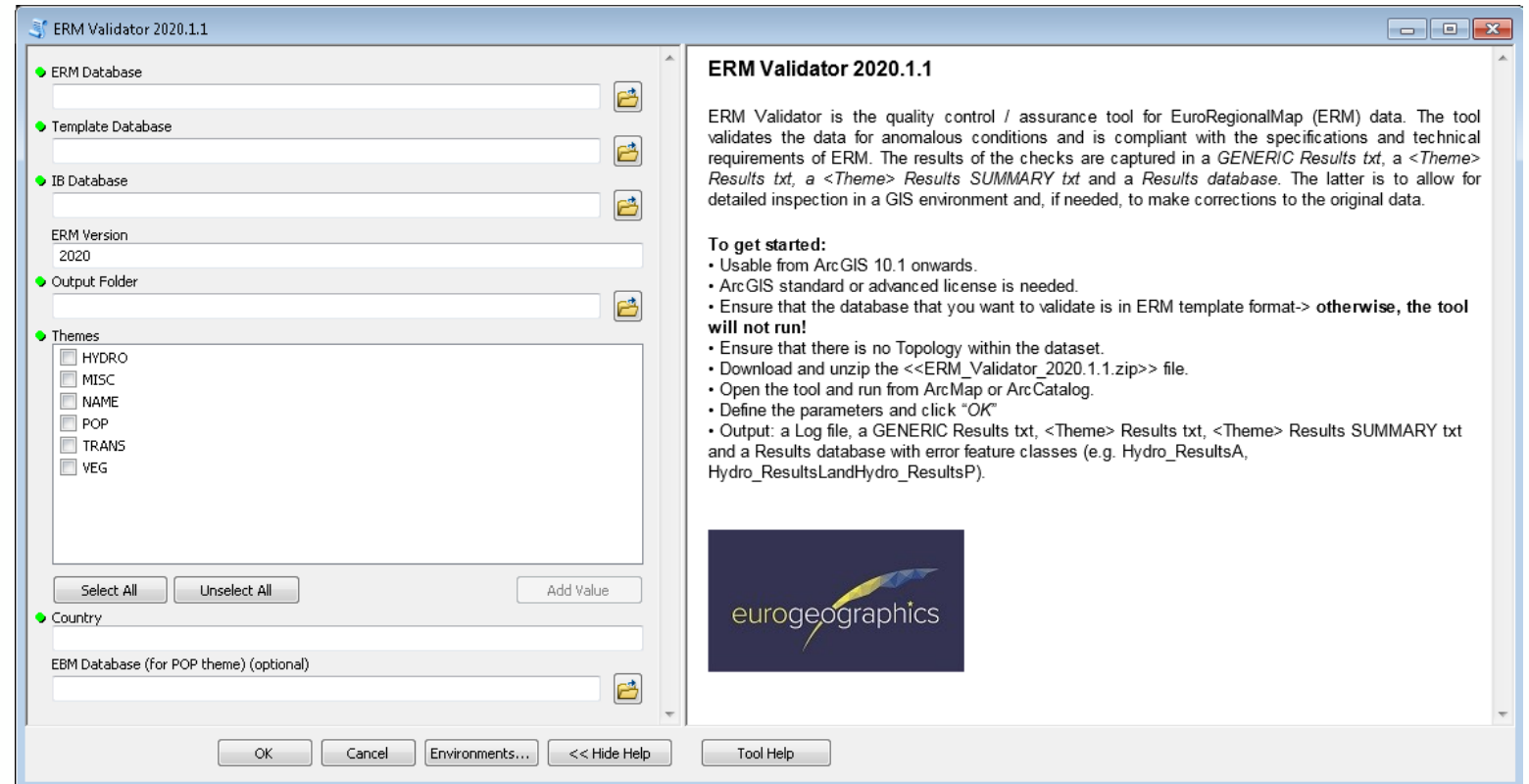
Number of pages: 6 pages
File name: ERM_Validator_WhatsNew.docx
Date: 18 March 2019

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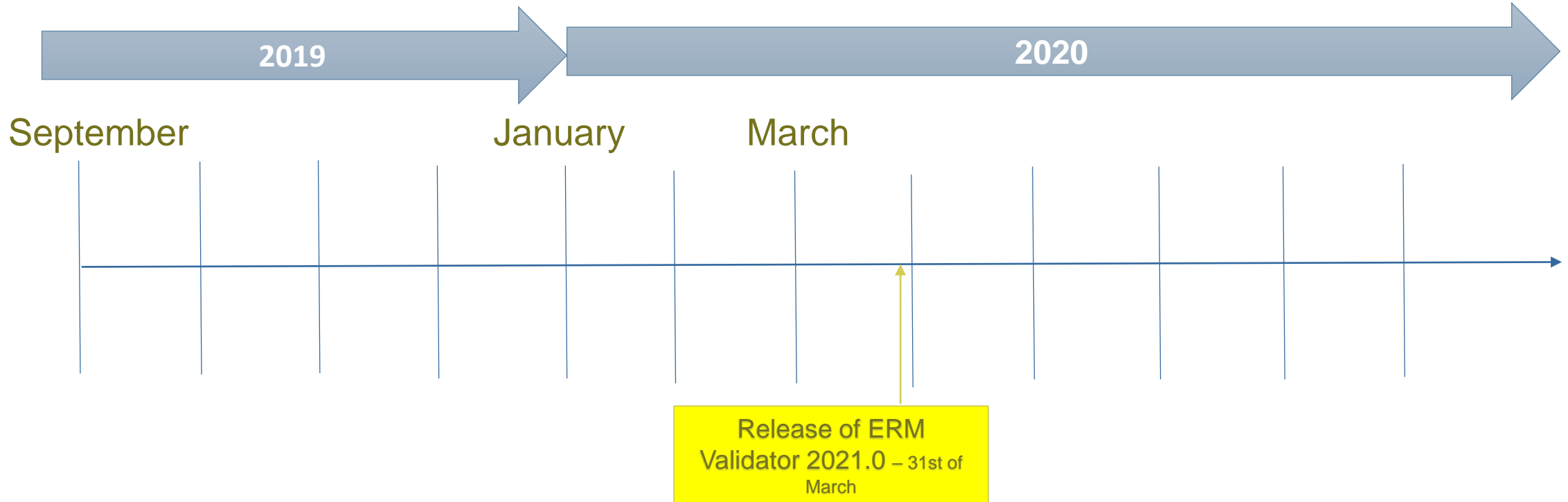
Running the tool

- Define the parameters
 - ERM Database
 - Template Database
 - ELF Database
 - ERM Version
 - Themes
 - Country
 - **EBM Database**
(for POP theme) (optional)
- Click “OK”



Release of ERM Validator 2021.0

On BKG-ftp server – 31st of March 2020



Next steps (ERM_Validator_List_of_known_issues_20190918)

- Reducing the number of false positives for the pseudonodes checks
- Fix: the “Frequency tool” (advanced license needed) is currently used for T080 check.
- Adding of TRANS and POP checks that are not yet implemented (ERM_Validator_Checks.xls)

Next steps (ERM_Validator_List_of_known_issues_20190918)

- Adjusting multiple checks according to changes in Technical Guide and Specification Guide
 - Usage of IntercC and LevelcC
 - Modelling of ferries
 - Handling of missing attribute values (<UNK>)
 - Language codes
- Adding of uniqueness check for PopulatedPlaceID
- Include “Features on border” from IB_Regional for checking the data

Consistency with other layer checks

- Cross theme checks present in ERM Validator

Consistency with other layers	H074	When coastline and sea limit are used to portray the closing line of BND, check if they are geometrically consistent	<input checked="" type="checkbox"/>
	H075	When the watercourse line is an administrative boundary, check if they are geometrically consistent	<input checked="" type="checkbox"/>
	H076	Features except SEAA, ISLANDA, COASTA, COASTL, SEASTRTL well inside the administrative boundaries	<input checked="" type="checkbox"/>
	H077	Water bodies do not overlap VEG layer (VEGA, SOILA)	<input checked="" type="checkbox"/>

- Mandatory: ONLY themes that are updated AT ONCE must be consistent
- Optional: countries CAN check consistency within all other themes

Poll questions

ERM validator for checking data

- 12. Do you miss a check in the ERM Validator?
-> yes, which check do you need, what should be checked / no
- 13. To improve the quality of the ERM Validator tool, we would like to set up a small group of Data Producers to test newly developed checks before they are incorporated in a new official version of the ERM Validator tool. Would you like to participate in such a group of beta testers?
-> Yes / no

EG Producer Meeting, Ljubljana, 24th / 25h September 2019

Thank you for your attention!

Contact:

Email: qmeg@kadaster.nl