

ELF International Boundaries

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Technical Meeting of the EG Data Producers, 31.3.2015

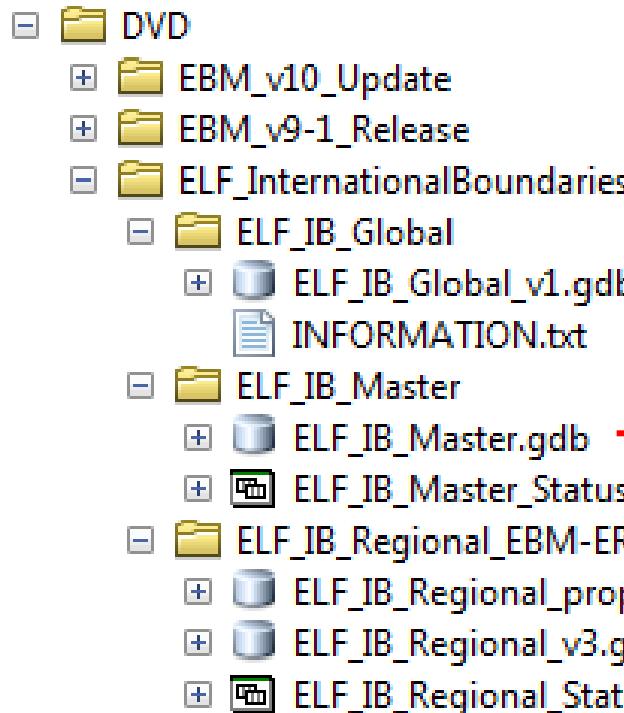


ELF International Boundaries

Level of detail	Scale	Type of data	Realisation
Treaty level	cadastre scale	high precision coordinates of boundary points and lines	SBE project → long-term
Master data level	(1:10') to 1:50'	large scale boundary lines from national basic cadastral or topographic database	ELF IB Master
Regional level	1:100' to 1:250'	agreed state boundaries for use at medium scale	ELF IB Regional → EBM/ERM
Global level	1:500' to 1:2 M	generalised version	ELF IB Global → EGM



ELF International Boundaries



to be used for EGM

in development

to be discussed with IS,
NO, DK, GB, NL, BE, DE

*Will be provided also on
ERM Information Repository*

**to be used for
EBM/ERM**



ELF IB Global

- Renewed international boundaries (and coastlines) for Global LoD
- Generalised from ELF IB Regional by IGN-F
- Will be implemented in EGM



ELF IB Master

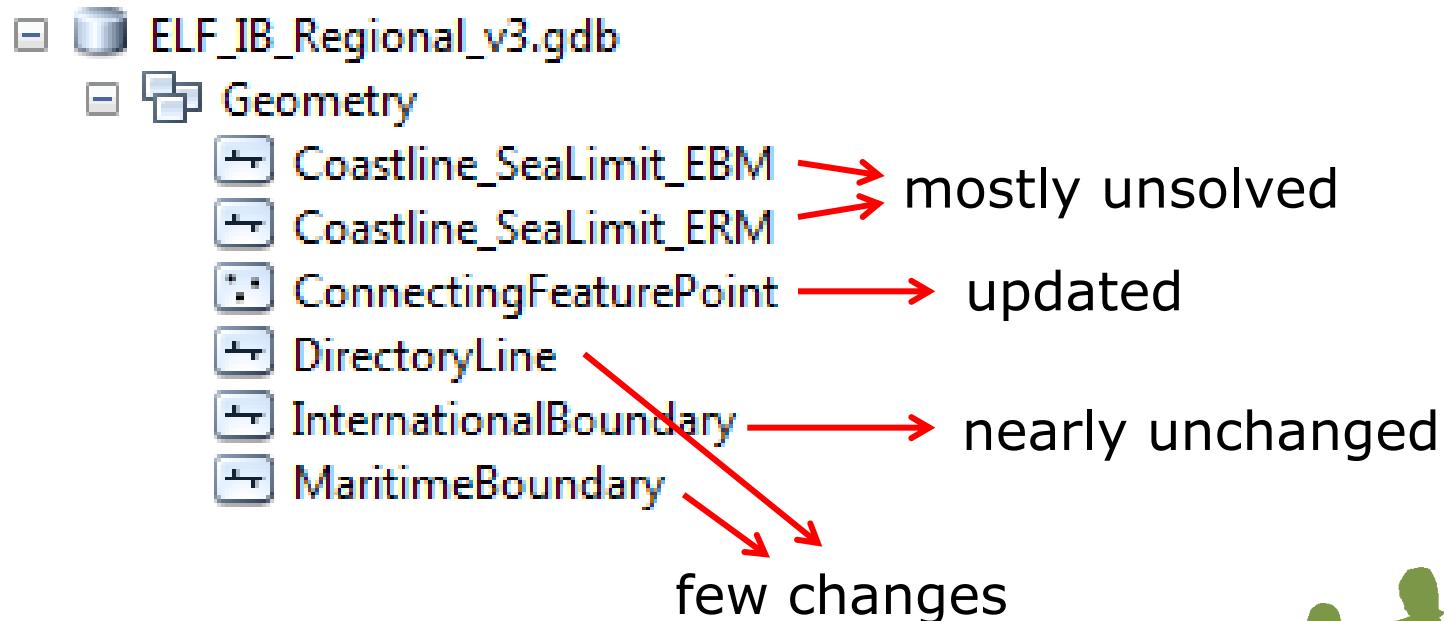
- In development in ELF project
- Responsibility for ELF IB Master database: Brühl/BKG
- Up to now only provided by few countries

→ Please encourage the person in charge at your NMCA to provide the International Boundaries in Master LoD for the ELF project.



ELF IB Regional

- New version ELF IB Regional v3
- Has to be used for EBM/ERM update
- Any request for update of ELF IB Regional has to be addressed to BKG

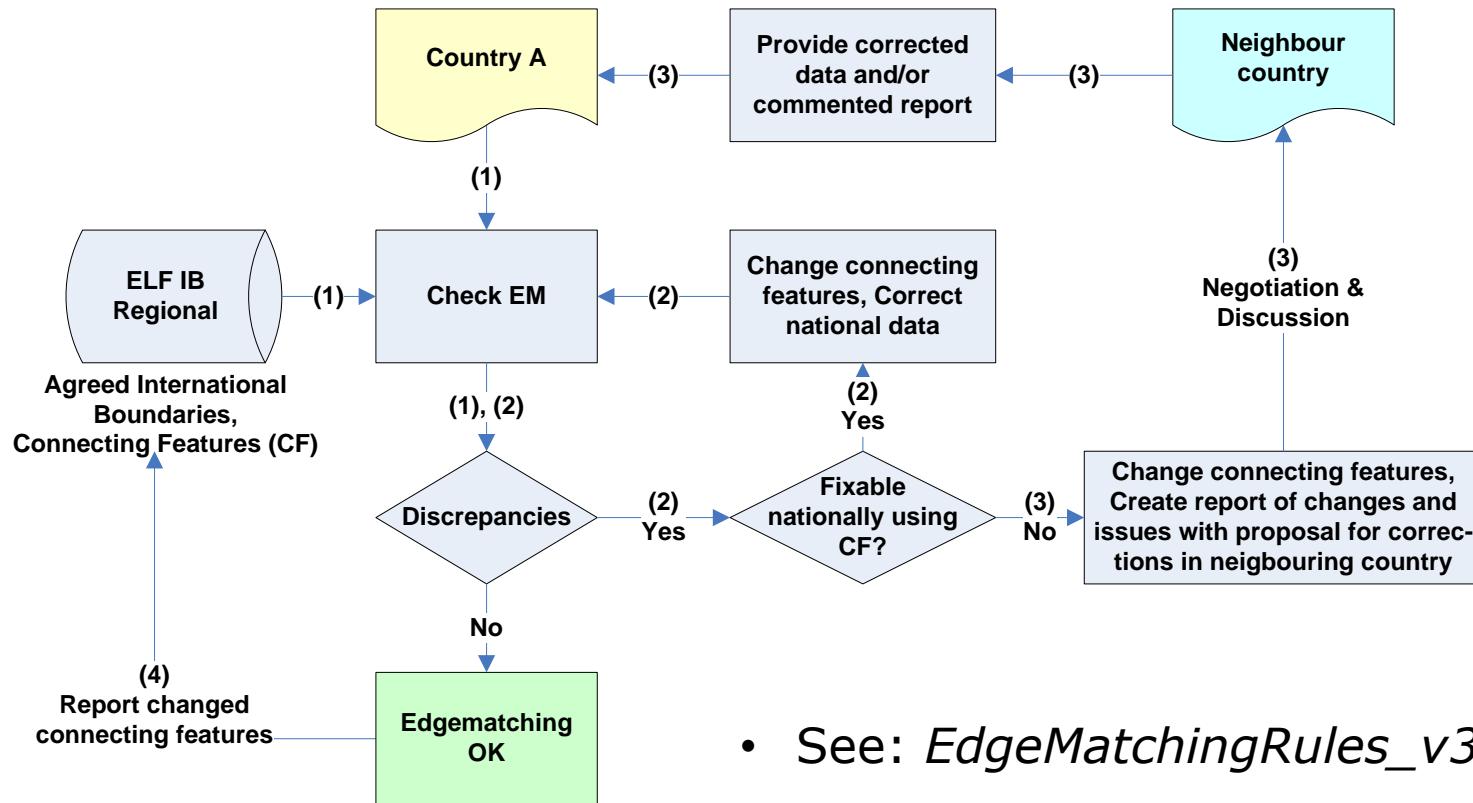


Connecting Features

- Thanks for your updates!
 - Clarified for Central Europe
 - Final review for rest of Europe missing
- Please review/correct/append
- Please match your updates (2015: ERM HYDRO) to the connecting features
- Please use connecting features for discussions on edge matching with neighbouring countries



Edge matching using connecting features



- See: *EdgeMatchingRules_v31.doc*

→ ArcMap (BE)



Edge matching tools

a) ELF Geo-tools

- To be developed during ELF project
- Candidates: 1spatial, ESRI, TU Delft
- Please see ELF webinar on Edge Matching

b) EM Tool BKG

- Not mature enough to be shared
- Will be run by BKG on request

c) ERM C# Tools (EM check)

- Already available, not using concept of connecting features

d) Other EM tools

- ..



Directory lines vs maritime boundaries

- Directory lines = artificial lines, needed to split the ERM data on the sea into country datasets
- Idea: replace these artificial lines by something more meaningful → maritime boundaries of the exclusive economic zones (EEZ)
 - EEZ spread up to 200 nautical miles into the sea
 - EEZ CY already integrated
 - Valid EEZ boundaries available: IS, NO, NL, DE
- Idea: collect a complete coverage of EEZ boundaries in the future. This will allow us to offer not only boundaries on land, but additional different types of maritime boundaries.



Directory lines vs maritime boundaries

- ELF_IB_Regional_proposalAtlantic
→ to be discussed with IS, NO, DK, GB, NL, BE, DE

→ ArcMap



Directory lines vs maritime boundaries

- Consequences for EBM: no
- Consequences for ERM:
 - SeaA: created automatically by PMT
 - FerryL: have to be matched on project management level
- Workload NMCAs: no

