EuroBoundaryMap and EuroRegionalMap

Extraordinary General Assembly 2018, Leuven, 15.05.2018
Regine Elling

Agenda

Review production year 2017
Production year 2018
EuroBoundaryMap
EuroRegionalMap
Quality Management
Outlook

Review production year 2017

- Rearrangement of ERM groups

- Strengthening of the Production Management Team:
  Constantin Nagorneac (group E)

- Delivery of EBM v12 and ERM v11
  to Eurostat by 20th January 2018
  - EBM: Special release with NUTS 2016
  - ERM:
    - Updated ERM themes by data producers:
      BND, HYDRO, MISC and NAME
    - Updated TEN-T network by DG MOVE

- Provision of EBM v12 (NUTS 2013) and ERM v11.1
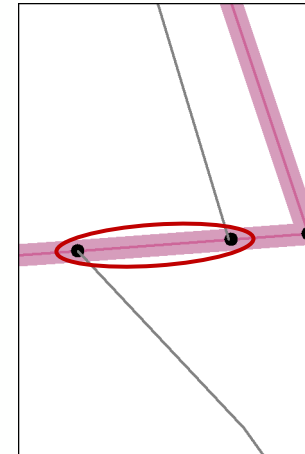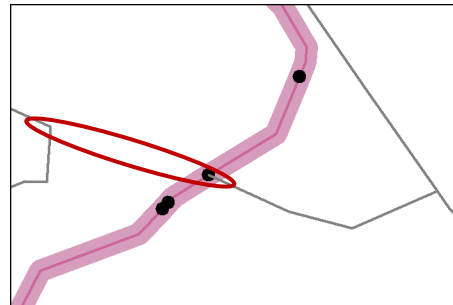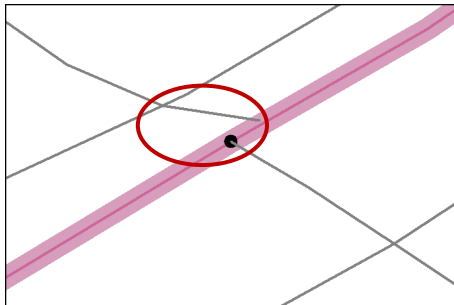 to data producers and public

EuroRegionalMap
Groups
A -> NL (Ben Bruns)
B -> FR (Clément Godin)
C -> LT (Dovilé Rusonyté)
D -> AT (Andreas Pammer)
E -> MD (Constantin Nagorneac)
No Group

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Production year 2018

EBM, ERM and EGM Production Management System

EG Contact/Product Database. organize the contacts and products

■ Prearrangements

- Webinar to kick off production end of February
- Production Plan was sent to data producers in beginning of March
- Update of contact information, provision of National Production Plan by data producers
- Provision of technical documents
- Hints for edge matching of transport theme were sent to data producers in April
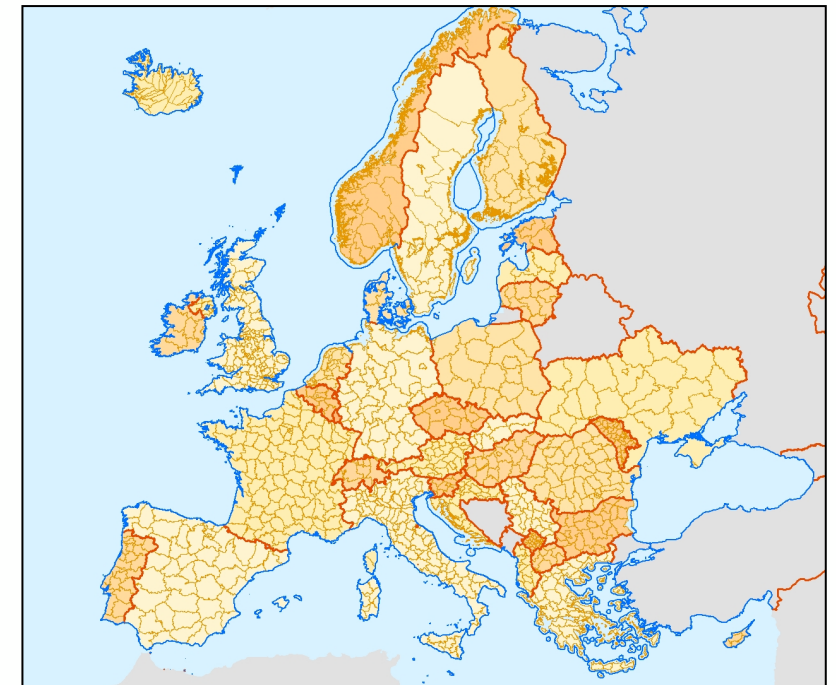
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Production year 2018 - Timetable

15.06.2018	Provision of national ERM data to Regional Coordinator (RC)
30.06.2018	Provision of national EBM data to Production Management (PM) EBM
30.09.2018	Validation and aggregation through RC and delivery to PM ERM
15.10.2018	Delivery of Metadata and Lineage (in PMS)
October 2018	Aggregation, last validation, finalisation through PM ERM
Nov./Dec. 2018	Update TEN-T network through DG MOVE
December 2018	Aggregation, last validation, finalisation through PM EBM
20.01.2019	Delivery of EBM v13 and ERM v12 to Eurostat

EuroBoundaryMap

- Up-to-date geometry, names and codes of all administrative units for 41 European countries

- Derived LAU- and NUTS regions based
on the linkage to the statistical codes
used by National Statistics Institutes and Eurostat

- Yearly update

- Reference date for EBM v13: 01.01.2018

- Product managed by BKG

EuroBoundaryMap - Statistical data

- Correct matching with statistical codes is a main feature of EBM

- Ensure that National Statistical Institute (NSI) and National Mapping and Cadastral Agencies (NMCA) report the same administrative units for the specific reference date
  → EBM will only match with statistical data if both refer to same reference date

- Changes:
  - New NUTS 2016 regulation
  - Only one LAU level instead of two levels
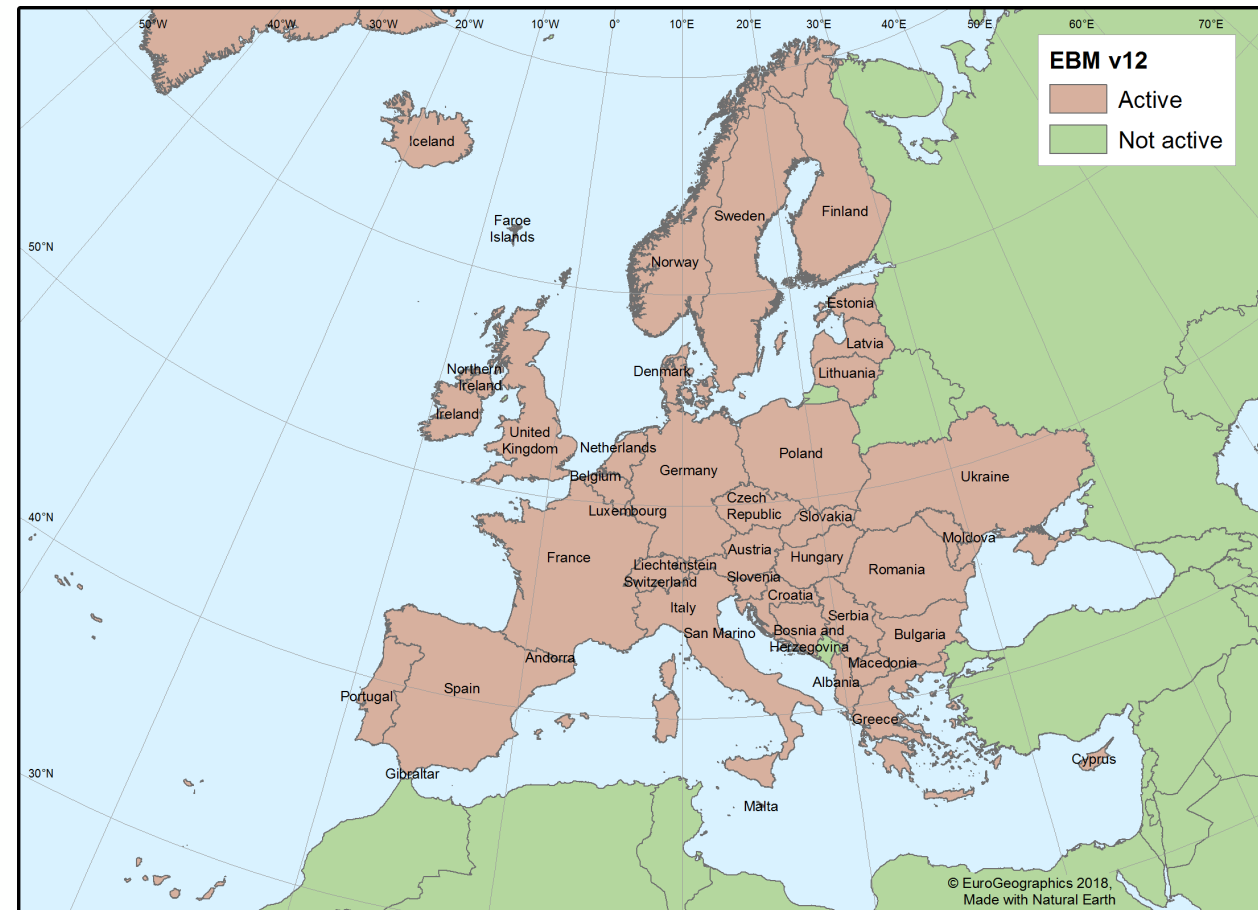   → Simplifies matching

Registered NUTS Changes
DE – Germany
FI – Finland
FR – France
HU – Hungary
IE – Ireland
LT – Lithuania
NL – The Netherlands
PL – Poland
UK – Scotland and Northern Ireland

	LAU level
AT	2
BE	2
BG	1
CY	2
CZ	2
DE	2
DK	1
EE	2
ES	2
FI	2
FR	2
GR	1
HR	2
HU	2

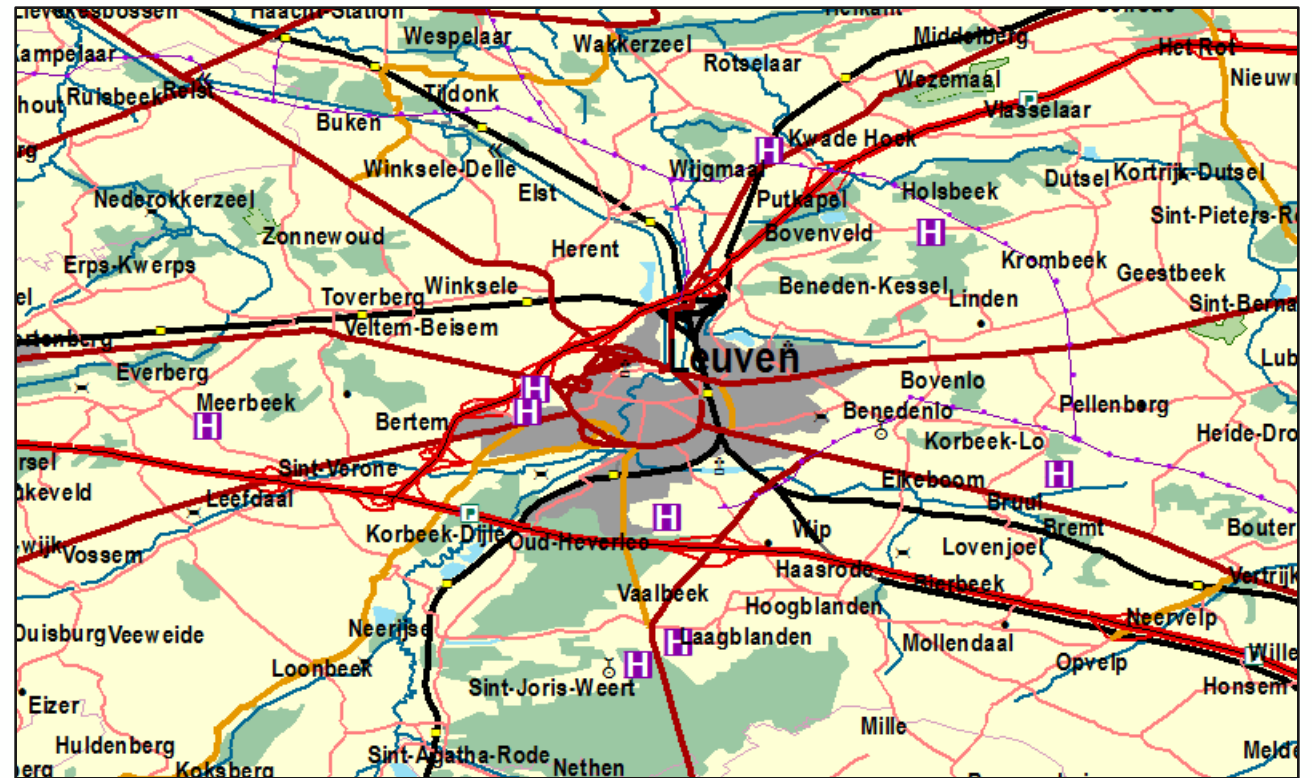|	LAU level
IE	2
IT	2
LT	1
LU	2
LV	2
MT	2
NL	2
PL	2
PT	2
RO	2
SE	2
SI	2
SK	2
UK	1

EuroBoundaryMap - Coverage

- Expected data
  - Belarus

- Updated data needed
  - Ukraine
  - Bulgaria
  - Albania
    → Included in the full European dataset
  - Bosnia and Herzegovina
    → Only as country dataset available

- Under negotiations
  - Turkey

- Missing data
  - Montenegro
  - Georgia (legislative issues)
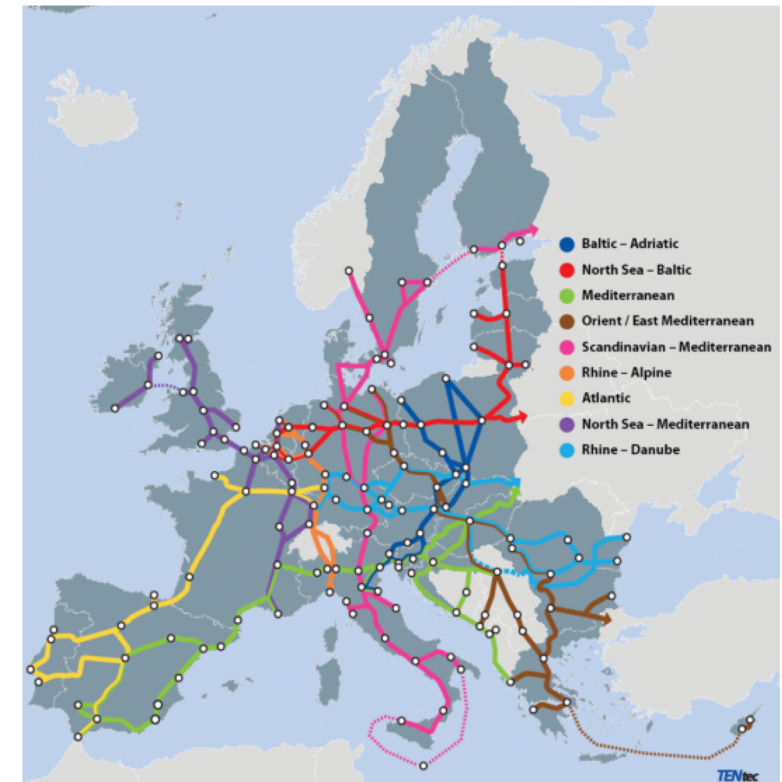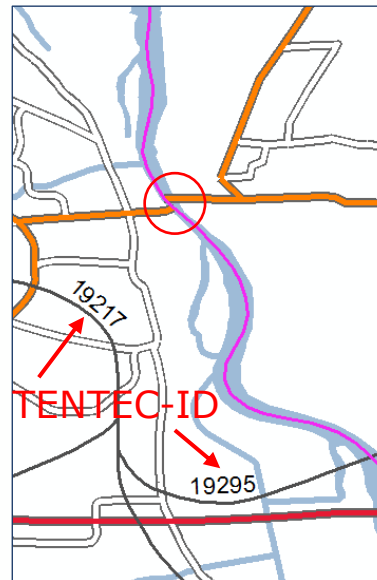
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EuroRegionalMap

- Topographic dataset 1:250,000
- Themes
  - Administrative Boundaries (BND)
  - Hydrography (HYDRO)
  - Miscellaneous (MISC)
  - Named Location (NAME)
  - Settlement (POP)
  - Transportation (TRANS)
  - Vegetation and Soils (VEG)
- Yearly update:
  2-3 themes according to the
  contract with Eurostat (until 2018)
- Product managed by BKG
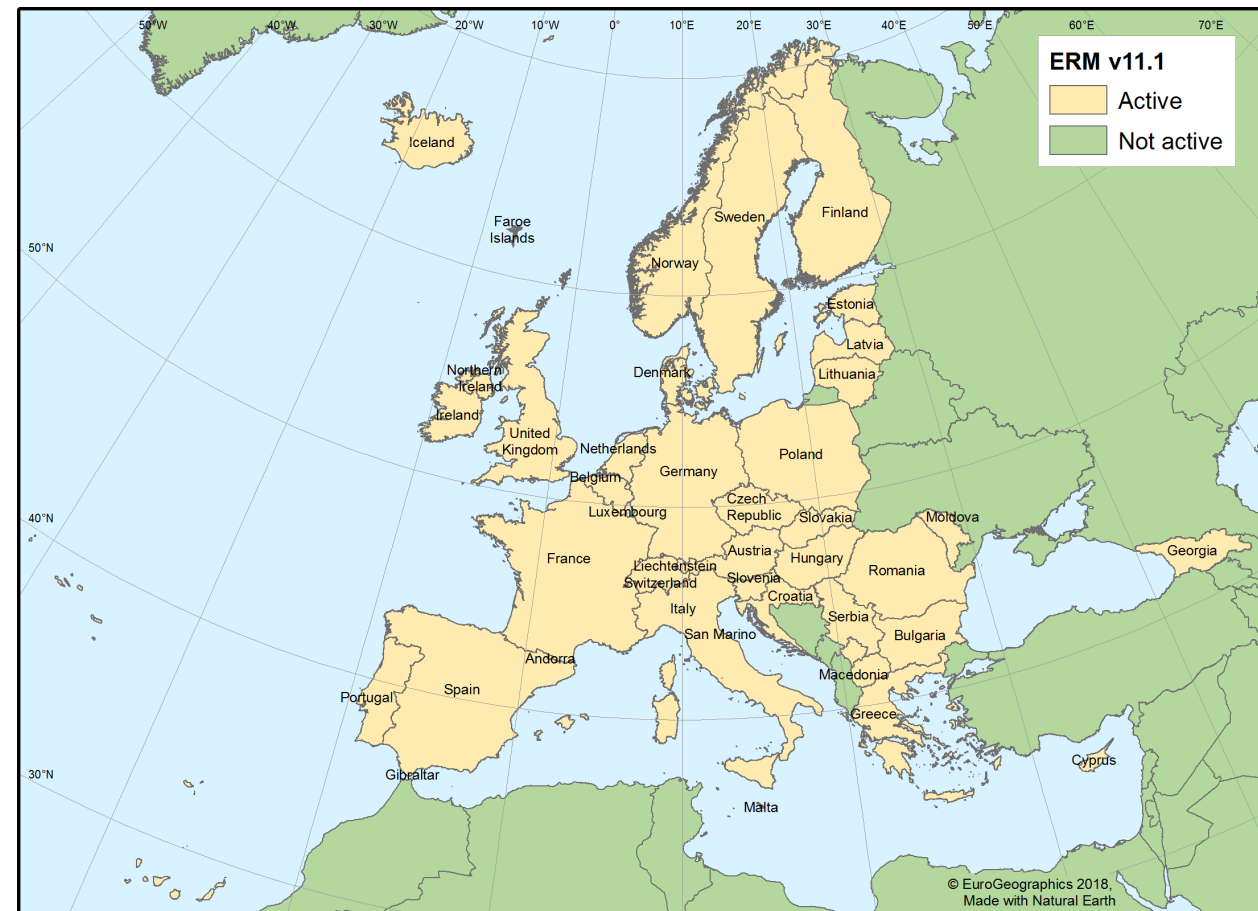
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EuroRegionalMap

- Changes in data specification and data model for ERM v12 (TEN, TENTEC-ID)

- Update BND: Consistency with EBM update

- Real update: TRANS, POP, VEG

- Maintain TEN-T network

- ERM Master dataset with features located on international boundary → Improve edge matching

Baltic – Adriatic
North Sea – Baltic
Mediterranean
Orient / East Mediterranean
Scandinavian – Mediterranean
Rhine – Alpine
Atlantic
North Sea – Mediterranean
Rhine – Danube

Note: the nine TEN-T core network corridors are based on the CEF and TEN-T Regulations (1316/2013 & 1315/2013); they have been created as a coordination instrument to facilitate the completion of major parts of the core network of strategic importance.
Source: European Commission, Directorate-General for Mobility and Transport, TENtec Information System

EuroRegionalMap - Coverage

- Croatian data included for the 1st time
- Updated data needed
  - Bulgaria
- Outdated Vmap Level 1 data
  - Montenegro
  - Bosnia and Herzegovina
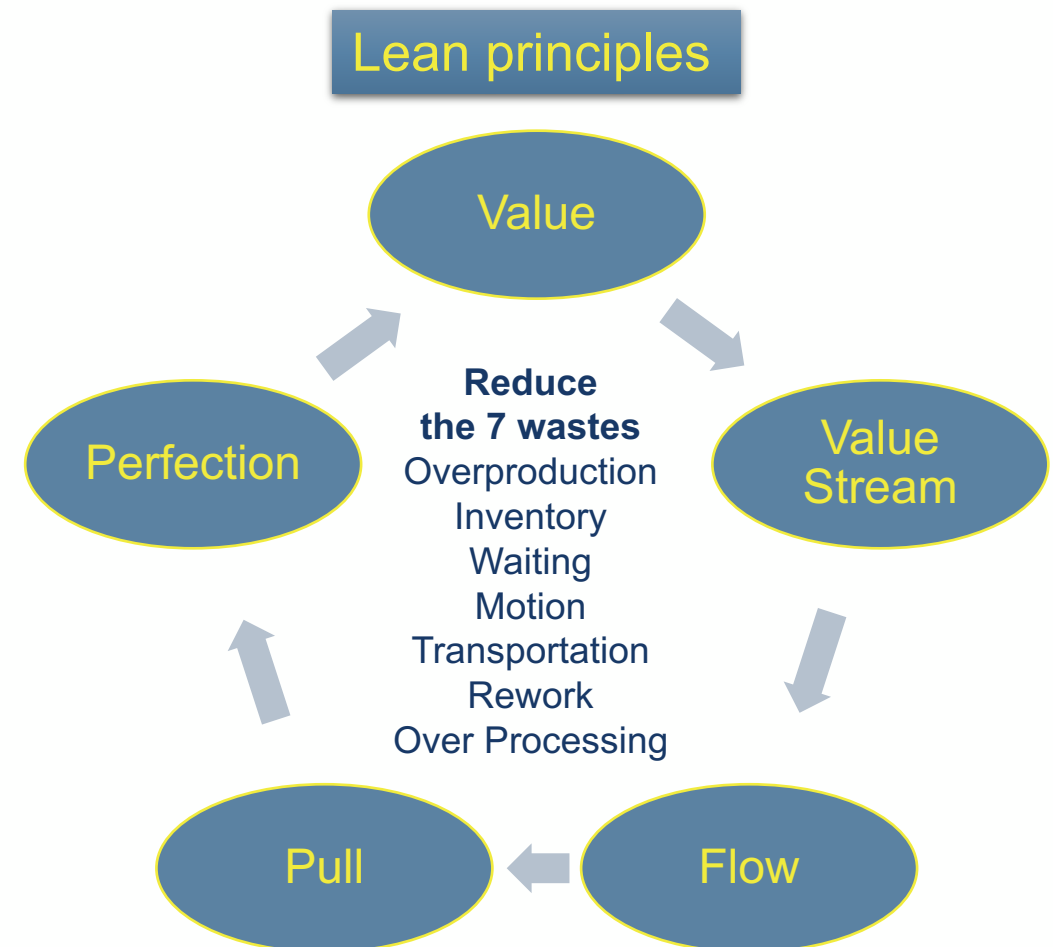- Missing data
  - Albania
  - Turkey

Quality Management
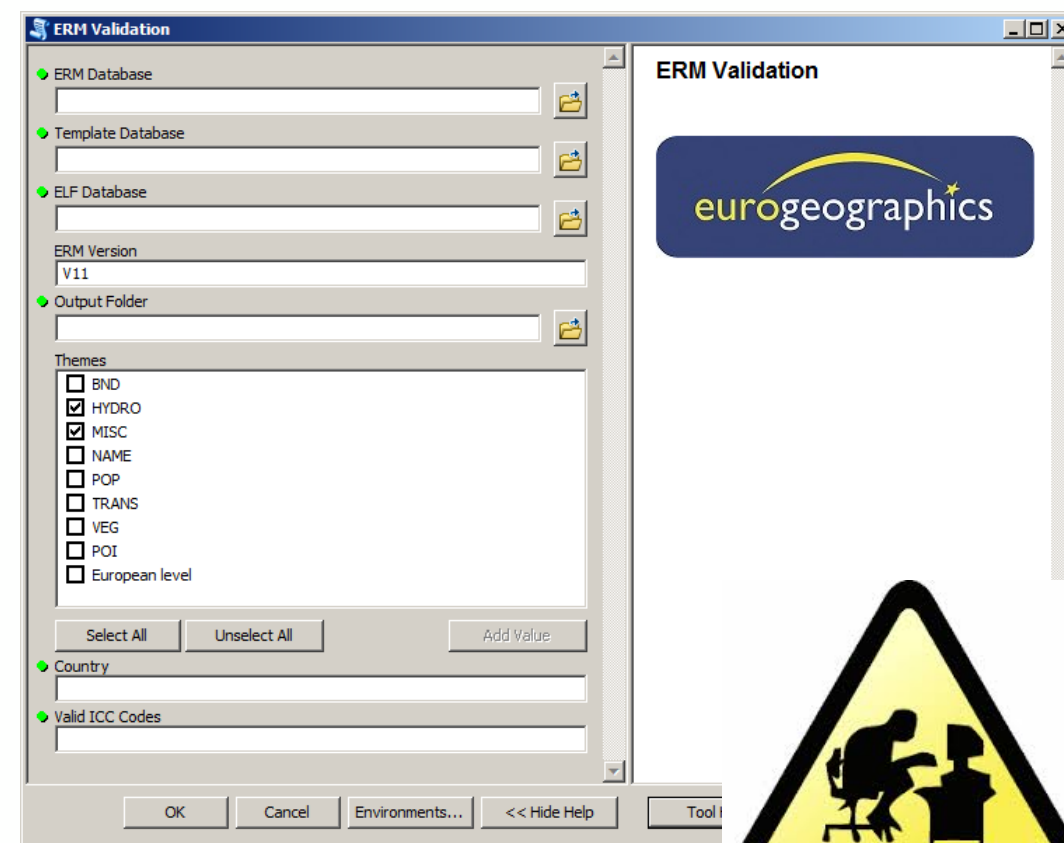
- Responsibility: Kadaster Netherlands

  kadaster

- Approach
  - Close cooperation with data producers
  - Consideration of Lean principles
  - Tool based on Python validation tools by IGN-F

Lean principles

Value

Value Stream

Reduce the 7 wastes
Overproduction
Inventory
Waiting
Motion
Transportation
Rework
Over Processing

Perfection

Flow

Pull

Quality Management

- Objectives of the new quality management tool
  - One tool approach
  - Users: Producers, RCs, PMT
  - ArcGIS versions >10.1
  - Easy to use
  - Simple documentation
  - Stand alone desktop
  - ArcMap Standard and Advanced supported

- Latest release sent out in beginning of May 2018: Hydro and Trans checks available

Outlook

- Future of EBM and ERM depending on:
  - Willingness and resources of EuroGeographics and its members to produce the data products
  - Sufficient number of customers/users → New Eurostat contract?

- General ideas for EBM and ERM:
  - Streamline production
  - Create more synergies between ERM and EBM → Harmonise lineage files
  - Improve quality management
  - Coverage extension
  - Implementation of Inspire-ID for ERM

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Thank you for your attention

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