Update on possible new contract with Eurostat and effects on production

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Eurostat as a User

- None of the Commission's current priorities can be addressed without reliable European geographical information

- Strengths:
  - Authoritative data from Member States
  - Integrated dataset for Europe
  - Detail until commune level (LAU 2) - EBM
  - Good geometrical level of detail (1:100k) - EBM
  - Integrated transport networks - ERM
  - Harmonised classifications - ERM
  - Consistency across themes - ERM

Eurostat Negotiated procedure

- Issued 4 May 2018; Response required 2 July 2018

- Seven products are requested:
  - EBM @ minimum 1:100,000 resolution
  - Postal codes or zones AND addresses
  - Hydro product @ minimum 1:100,000
  - Transport product @ minimum 1:100,000
  - Buildings, Built up Areas and Populated places (scale varies)
  - Points of Interest (economic activities and general interest)
  - Energy Infrastructure

- We responded to this on time

- Subsequently have responded to queries twice

- Waiting to hear

- Currently still officially within the Negotiated Procedure so we cannot say much more

CRD included in tender

- Our plans for a Core Reference Dataset (CRD) are included in the Eurostat tender, and aim to meet some of the EU demands, such as European Environment Agency (EEA) plans for a CLC+ 'backbone' data, and European Space Agency (ESA) plans for Digital Terrain/Surface models.

- By enhancing our current product range, we intend to demonstrate how National Mapping, Cadastral and Land Registration Authorities can meet EU needs without the need to go to the commercial market.

www.eurogeographics.org

Geographical Extent request

The geographical extent of the datasets should cover by priority order the following geographical regions:

▪ The European Union (EU 28) and dependent territories.

▪ The EFTA countries: Iceland, Liechtenstein, Norway and Switzerland;

▪ Andorra, Vatican City, Monaco, San Marino;

▪ Candidate countries: Albania, Montenegro, Serbia, Former Yugoslav Republic Of Macedonia, Turkey;

▪ Potential candidates: Bosnia-Herzegovina, Kosovo (UNSCR 1244)

In addition, the coverage of the following countries is also desirable:

Other European countries (e.g. Armenia, Azerbaijan, Belarus, Georgia, Moldova, Ukraine, and the European part of Russia).

Mediterranean countries (Morocco, Algeria, Tunisia, Libya, Egypt, Israel, Gaza Strip, Lebanon, Syria)

For these additional countries, the primary geographic data of interest are administrative boundaries, transports (road, rail, air and maritime), hydrography and populated places.

Postal codes or zones AND addresses

- Explained our member do not hold postcodes

- Offered information about a proposed ELS Address Feature Service

- Currently in development - estimate for 9 countries within first version of full service (and 6 of these potential for open data terms of use).

- Priorities can be guided by user feedback during evaluation

Proposed investigation through PMT

Hydrography – WISE ID

The PMT have been liaising with the EEA with regards the WISE ID. The EEA have confirmed the following:

- There is no single attribute called WISE-ID but a set of different IDs depending on the Water Framework Directive (WFD) datasets in question. The term "WISE-ID" can be seen as a summary term for those used in all water related Directives (Waterframework, Bathingwater, Urban Wastewater …).

- The EEA experts advise that it is difficult to systematically connect e.g. "WFD-data related IDs" to topographic data scale 1:250.000

- Have suggested that we engage directly with Eurostat to understand their requirements for this data and who the users would be so we understand use

- ERM is a core topographic reference dataset and EuroGeographics are happy to take on board suggestions of how to enhance this, however additional identifiers should only be adopted where there is a significant user requirement.

Planned EBM/ERM update programme

Product Delivery to Eurostat	Year 1 – 2019 January 2020	Year 2 – 2020 January 2021	Year 3 – 2021 January 2022	Year 4 – 2022 January 2023
EBM	x	x	x	x
ERM – BND	x	x	x	x
ERM – HYDRO	x		x	
ERM – TRANS		x		x
ERM – POP	x	x	x	x
ERM – MISC			x	
ERM – NAME			x	
ERM – VEG				x
ERM – POI		x		x

Proposed investigation through PMT

- INSPIRE ID

Attribute Description		Attribute Description
InspireId	✓	External object identifier of the spatial object
beginLifespanVersion	✓	Date and time at which this version of the object was inserted or changed
endLifespanVersion		Date and time at which this version of the object was superseded or retired
validFrom	✓	The time when the feature started to exist in the real world
validTo		The time from which the feature no longer exists in the real world

- Provision of differential updates and stable identifiers for the whole dataset

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Proposed investigation through PMT

■ Administrative Units:
→ Partly available

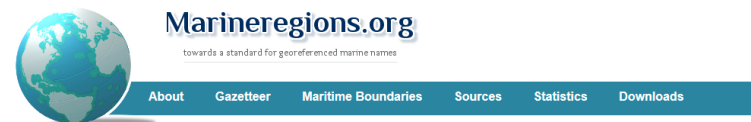| Attribute Description	Attribute Description
Endonym name and endonym character set for second language	Endonym name of the Administrative Unit in the second language, in the appropriate character set to keep all characters and diacritics of their official national language Name of the character set of the Administrative Unit Name in the second language. (Specify by country)
Endonym name Latin	Transliteration to a Latin character set of the endonym Administrative Unit names (second language) in a character set other than Latin (Greek, Cyrillic). A documented transliteration should be applied.
Endonym Name ASCII	Endonym name of the Administrative Unit in the second language in Latin characters and without diacritics

Proposed investigation through PMT

- Administrative and statistical regions
  - ✅ Territorial seas
  - Other maritime zones such as continuous zones and exclusive economic zone (EEZ)
    - It may not be the member of EuroGeographics who is responsible for this data
    - Some NMCA's do already provide this, and when provided, it is included in EBM
    - The PMT have investigated the provision of this data and merged EEZ dataset from http://www.marineregions.org/ with EBM

    - Clarify the terms of use of this dataset
    - Discuss supplying this to Eurostat only (not as part of a public release) as an additional layer in EBM

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Proposed investigation through PMT

- Transport
  - Provision of UN/LOCODE identifiers
    - ✅ Ports
    - – Railway
    - – Airports and airfields, heliports
  - Railway transport
    - ✅ ERM strives to provide a proper railway network, TEN-T features are available
    - – All International Union of Railway stops
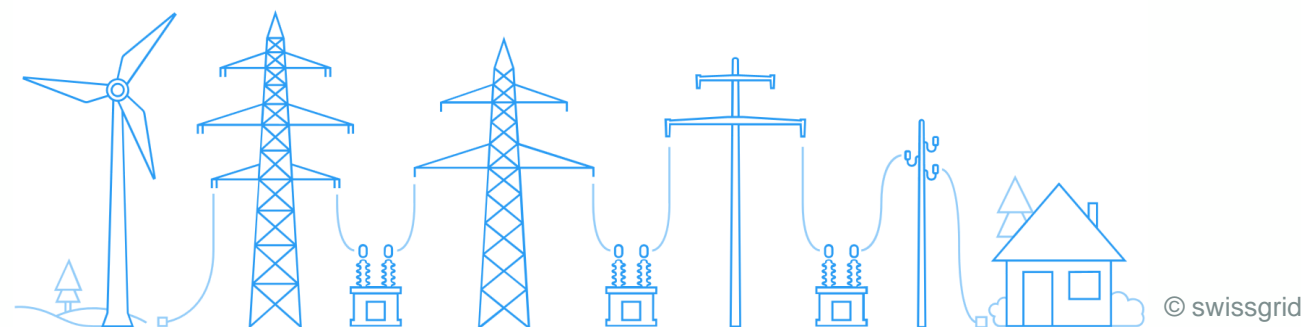   (French: Union Internationale des Chemins de fer, UIC)

Proposed investigation through PMT

- Energy
  - ✅ ERM part of energy supports energy transport networks for oil, gas and electricity (gas & oil pipelines and electricity power lines)

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- Routing for energy features
- Collaboration with
  - European Network of Transmission System Operators for Electricity (ENTSO-E)
  - European Network of Transmission System Operators for Gas (ENTSO-G)

Proposed investigation through PMT

- Buildings
  - ✅ Information on usage to distinguish habitation from activity buildings
    - Fine classification → see POI

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Proposed investigation through PMT

- POI

  - POIs on services of general interest (last time provided by Data Producers 2014)

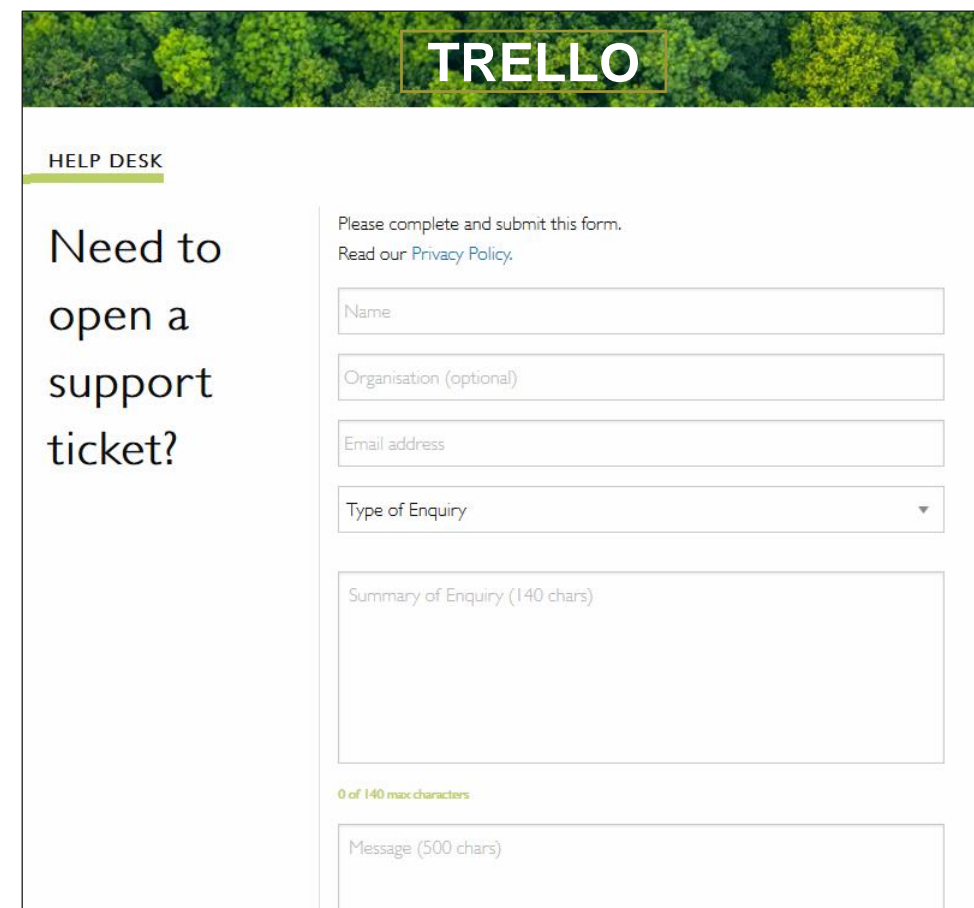|			
✔ Hospitals	✔ Disposal sites and landfills	– Cinemas	✔ Other event facilities
✔ Primary Schools (ISCED 1)	✔ Police stations	– Concert halls	– Pharmacies
✔ Secondary schools	✔ Mines, quarries	– Cultural centres	– Postal offices
✔ Power plants	✔ Waste and waste water treatment plants	– Doctors	✔ Recreation facilities
✔ Universities		– Embassies	– Theatres
✔ Emergency medical services	– Libraries	✔ Government buildings	– Zoos
	✔ Sport stadiums and facilities	✔ Museums	
		– Operas	

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Proposed investigation through PMT

- POI
  - **POIs on economic activities** focus on the location of businesses, enterprises and companies. They should be classified by economic activity based on the NACE classification (Statistical Classification of Economic Activities in the European Community, Rev. 2 (2008))

Detail
+ A AGRICULTURE, FORESTRY AND FISHING
+ B MINING AND QUARRYING
+ C MANUFACTURING
+ D ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY
+ E WATER SUPPLY; SEWERAGE, WASTE MANAGEMENT AND REMEDIATION ACTIVITIES
+ F CONSTRUCTION
+ G WHOLESALE AND RETAIL TRADE; REPAIR OF MOTOR VEHICLES AND MOTORCYCLES
+ H TRANSPORTATION AND STORAGE
+ I ACCOMMODATION AND FOOD SERVICE ACTIVITIES
+ J INFORMATION AND COMMUNICATION
+ K FINANCIAL AND INSURANCE ACTIVITIES
+ L REAL ESTATE ACTIVITIES
+ M PROFESSIONAL, SCIENTIFIC AND TECHNICAL ACTIVITIES
+ N ADMINISTRATIVE AND SUPPORT SERVICE ACTIVITIES

Proposed investigation through PMT

- Quality
  - Offer to Eurostat to correct systematic errors at a central level as soon as they are detected
  - Provide efficient mechanism to collect users feedback such as errors or observed noncompliance

- Update cycle
  - More frequent updates
    → If possible all themes yearly, at least HYDRO and TRANS

EG Producer Meeting, Zagreb, 6th / 7th November 2018

Thank you for your attention

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