

## Annual Meeting of the State Boundaries of Europe Knowledge Exchange Network (SBE KEN)

**Date:** 8.-9. November 2018

**Participants:**

EuroGeographics members, representatives of National Mapping and Cadastral Authorities (NMCAs), participating in collection and maintenance of boundary related information or/and dealing with harmonisation of national spatial data along boundaries with neighbouring countries.

**Chair:**

Gert Steinkellner

**Venue:**

EuroGeographics Head Office  
3<sup>rd</sup> floor (small meeting room), 76 Rue du Nord, Brussels (Belgium)

**Contact person:**

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**Draft Agenda**

**Day ONE**

Time	Topic	Location	Notes
14:00	Welcome	“EuroGeographics Head Office” – 3 <sup>rd</sup> floor	Gert Steinkellner (Chair)
14:15	SBE KEN progress since the 2017 meeting		Gert Steinkellner
14:30	Re-Design SBE-Database (Presentation & Discussion)		Marcus Brühl
15.30	Coffee_Break		
15.45	National presentations (share knowledge, boundary related project and activities)		All
17.30	End of Day One		
19.30	Dinner		All

**Day TWO**

Time	Activities	Location	Notes
09.00	Update on ELS (Open ELS) activities Task 3.2: Cross Border Edge-matching Guidelines (Presentation)		Saulius Urbanas
10.15	Coffee Break		
10.45	Cross Border Edge-matching Guidelines (Discussion)		All
11:30	SBE KEN work plan		Gert Steinkellner
12.00	End of the meeting		

## Minutes of SBE Annual Meeting

**Participants:** Gert Steinkellner, Chair (BEV/ Austria); Federica Cauli, Vice-Chair (IGM/ Italy); Marcus Brühl (BKG/ Germany); Vittoria Maria De Vita (IGM/ Italy); Jan Řezníček (ČÚZK/ Czech Republic); Andreas Schramm (BEV/ Austria); Saulius Urbanas (EuroGeographics); Pierre Vergez (IGN/ France)

### 1 SBE Database

- SBE redesign
- Comments from Alain Wicht/Switzerland (not participating)
  - EuroGeographics shall give a clear definition of the expectations concerning the product SBE
  - Up to now SBE has been a product consisting of validated coordinates of different countries – should it become a graphic product only? -> This decision influences the degree of accuracy of the coordinates
  - The two attributes “frame” and “epoch” should not be optional when storing coordinates in cm/mm accuracy
  - Redefining the frame can change coordinates (1-2 cm) – example “Bavaria”
  - If we cannot guarantee the cm-accuracy we should store only dm-accuracy data!
- Discussion about that topic
  - The accuracy of cadastre is in many European countries about 4-5 cm
  - One conclusion for SBE: there should be only one line (agreed)!
- Presentation by Marcus Brühl
  - Activities performed by Marcus Brühl in 2018 concerning the DB Model:  
New versions of:
    - Specifications and Technical Guidelines;
    - Data Model (UML);
    - Template;
    - FME for migration.

- Technical Guidelines
  - New logo
  - How to structure SBE Identifier: namespace (“\_EG.SBE:”) must be added to localID, e.g. “\_EG.SBE: AT\_CZ:VI\_6-10”. LocalID is not regulated by any special requirements.
  - The feature catalogue is not complete yet; the description of Treaty and Document will be added later.
  - Values for attribute “Legal Status” will be: agreed / not agreed.  
Values for attribute “Technical status” will be: edge matched / not edge matched.  
Any additional comments (e.g. why not agreed, why not edge matched) will be specified in metadata or in the attribute “Remark”.
  - Attribute “Remark” must be filled in English language only.
  - Attribute “Height”: the model will not be 3D anymore, but 2.5D. The vertical reference system (e.g. EVRF2000 or national system) will be specified in metadata or in attribute “Remark”.
  - The version of GDB file for the delivery is not specified. Just for users’ information, it must be pointed out that the template was created with ArcGIS 10.3 (as users of previous ArcGIS versions could have problems in managing the file).
- Specifications and Geodatabase:
  - Will be published on the SBE website.
  - A webinar will be organized to explain the changes to all users.
- Migration v4.13 to v5
  - Marcus will perform the migration (he will need more than 10-15 days).
  - He will send the results to members who will give a critical view on the data.
  - The test will begin in January 2019.
- SBE Database:
  - Discussion: who will manage/maintain the SBE Database in the future?
  - At present, swisstopo is officially in charge of the SBE Database.
  - Marcus has taken care of the development of the new DB, but BKG is not interested in the administration of the SBE Database.

## 2 National presentations

- 1.1. Austria – Andreas Schramm (presentation)
- 1.2. Czech Republic – Jan Řeznicek (presentation)
- 1.3. France – Pierre Vergez (presentation)
- 1.4. Germany – Marcus Brühl (presentation)

Small discussion about:

- Need of maintenance of boundary stones
  - Are there guidelines for maintenance?
  - There are different kinds of maintenance of the boundaries
  - For SBE KEN there could be an area (homepage) where you find all information about the boundaries of the countries
- 1.5. Italy – Federica Cauli (presentation)

## 3 Task 3.2 Cross Border Edge-matching – guidelines

- Guidelines version 0.4 6.11.2018
- Checking the document with the SBE KEN
- Discussion about comments from Pierre and Marcus

- Chapter 3. requirements: no changes needed.
- Chapter 4.1 definition of edge-matching content
  - Change “approximate” boundaries into “technical” boundaries.
  - Add in the glossary, in the definition of “IB – international boundaries” , the description of “technical” lines.
- Chapter 4.2: before talking about “centralised edge matching”, it is necessary to talk about “bilateral edge matching” which is the focus of this document. So a new chapter will be added before the current 4.2.
- Chapter 5:
  - Action 4: it is recommended to use Inspire-compliant reference systems.
  - Action 6: as option (??)
  - Action 10: it is agreed to delete this action, adding to action 9 a sentence about the possibility of field surveys.
- Saulius Urbanas will make these corrections and after the last comments the guidelines will be published.

## 4 Final decisions about SBE DB

- Marcus Brühl will perform the migration to version 5.
- Contract with swisstopo
  - Is swisstopo still interested in managing the SBE DB?
  - If not, Gert will check if BEV would be interested.
  - An additional attribute “Remark” will be added for potential explanations about legal status/technical status, but it will be filled in English language only.
- Metadata template for the SBE DB:  
As soon as the new version will be released, a discussion about the contents of metadata will be necessary. Then a template will be made. Still not defined who will deal with it.

### 4.1 Further steps for the operation of the SBE DB

1. Completion and update of the database
  - 1.1. Completion of the database including the complete migration from v4.13 to v5 by Marcus Brühl till January 2019
  - 1.2. Send to members for review and update by Marcus
  - 1.3. Incorporation of the feedback by Marcus
2. Administration and management of the database
  - 2.1. Status: **Open**
  - 2.2. Ask swisstopo to continue to manage the DB or not (Gert Steinkellner)
  - 2.3. If not, there is a declaration of intent by BEV from 2016 – Gert Steinkellner will check that first at the BEV
  - 2.4. Handle SBE DB at a new provider

## 5 Workplan

- next year GA:
  - ExGA will take place in Leven 13. - 16. May 2019
  - GA will take place in Manchester: 6. - 9. October 2019
- The engagement of Gert as chair of SBE KEN will end at GA 2019: the CC hopes that he will be able to stay in charge for at least one more year , anyway it will be necessary to think about a successor.

- A webinar will be planned for Wednesday 30.01.2019
- The CC Meeting will take place on 11.-12.09.2019, probably in Prague
- The SBE KEN Annual Meeting will take place 16. – 17.10.2019, possibly in a new country, in order to involve other participants. Otherwise Brussels or Vienna are possible options.