

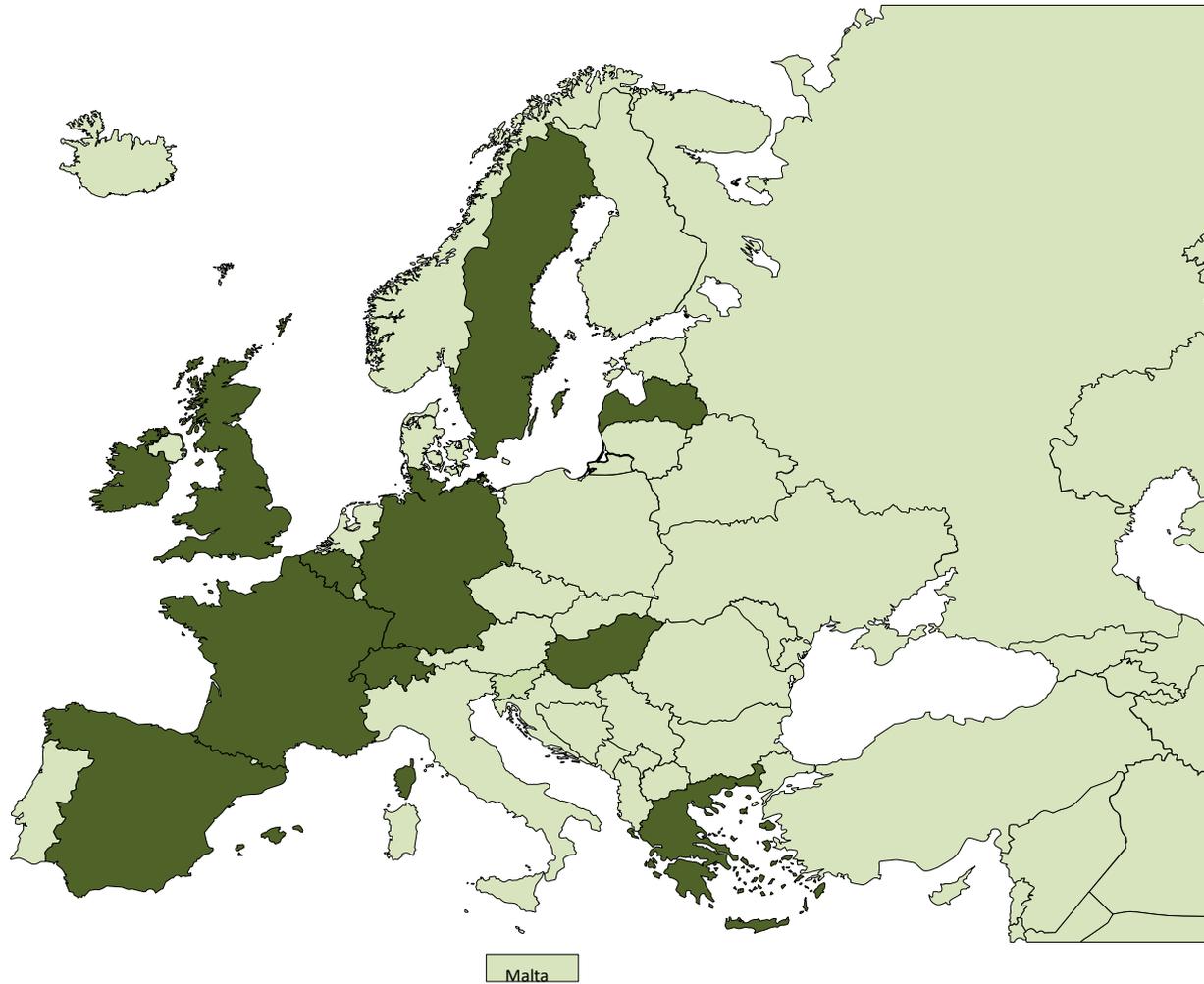
National Reports

Quality Knowledge Exchange Network

Dublin May 2018



12 National reports



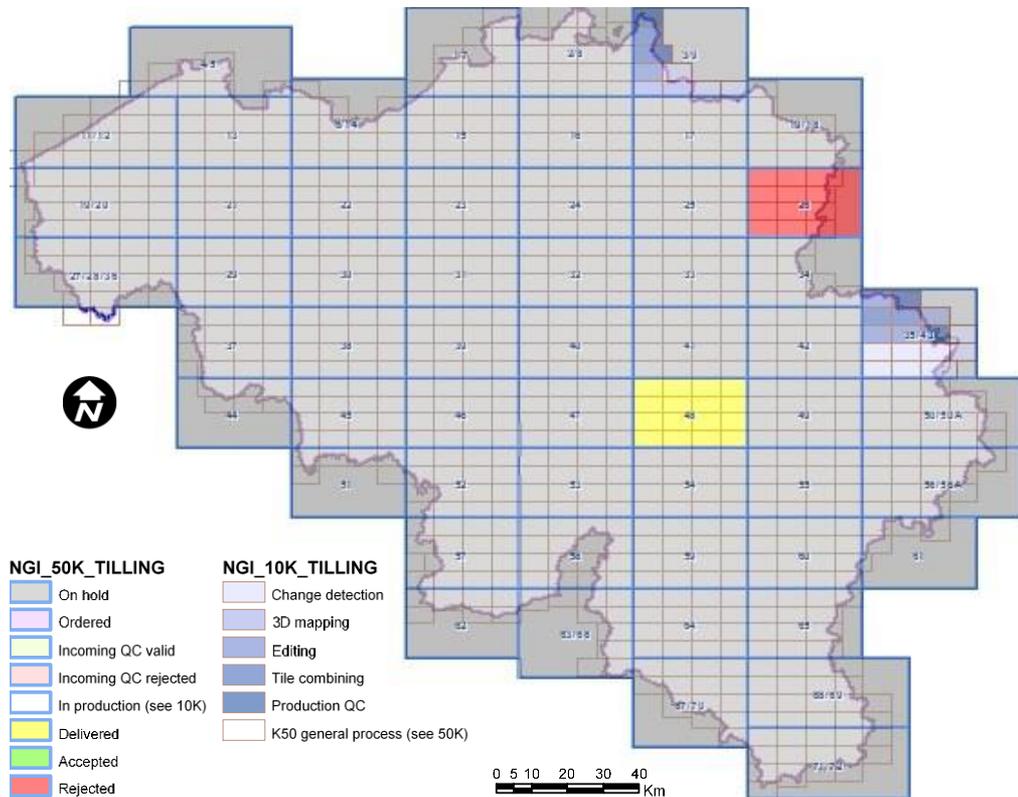
 National report

Institutes Géographique National Nationaal Geographisch Instituut, Belgium From October 2017 to May 2018

- News concerning Data Quality

- Update Database by Eurosense

- 11 Features Classes (Roadnetwork, Hydronetwork (new), Buildings, LandCover (new))
 - Begin February 2018
 - First Quality control May 2018



Institut Géographique National Nationaal Geographisch Instituut, Belgium From October 2017 to May 2018

- News concerning Data Quality

- Quality control and report

- Railnetwork – study stagiaire Ann Cuppens (KU Leuven)

- Evaluation quality hydronetwork

- Tests on the fields

- Important results

- To evaluate the quality of the data to the real situation

- To improve updating methods to increase the quality of our datas

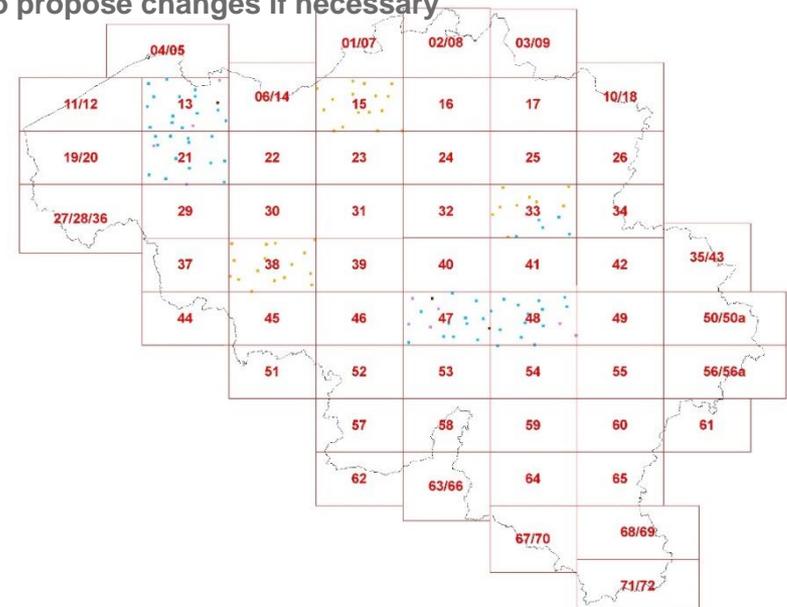
- To create guiding document for the outsourcing

- To verify the database model and to propose changes if necessary

- Quality control on the fields

- 70 areas of 100ha controlled

- Partial results



Institut Géographique National Nationaal Geographisch Instituut, Belgium From October 2017 to May 2018

- **News concerning quality management**
 - **Development in FME and 1integrate**
 - Control of outsourcing update
 - Extra topological rules and relation for new updated Features Classes
 - Increase the efficiency of existing rules and automatic control
 - **Formation 1integrate**
 - Better use of the software
 - Exploration of new potentiality
 - **Redaction of a lot of guiding documents**
 - Avoid systematic errors in the update of database
 - Redaction of improved method of update
 - Support document on the database model
 - Details and examples on the database specifications



Institut Géographique National Nationaal Geographisch Instituut, Belgium From October 2017 to mai 2018

- Any other news that would be of interest for Q-KEN?
 - NGI Belgium will probably relocate at summer 2019
 -



Institut national de l'information géographique et forestière (IGN), France From October 2017 to May 2018

- **News concerning Data Quality**

- A new "methodological guide for the quality assessment of a vector database" (in French language, 73 pages), based on ISO 19157.



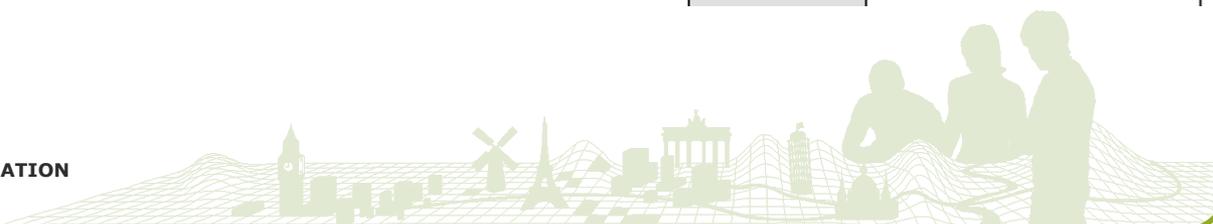
INSTITUT NATIONAL
DE L'INFORMATION
GÉOGRAPHIQUE
ET FORESTIÈRE

GUIDE MÉTHODOLOGIQUE

Évaluation de la qualité d'une base de données vectorielles

Identification:

Identifiant		Version	Date de création
Qualite-base-vecteurs		1.0	25/01/2018
Auteurs	Thierry PRIN		
Entité émettrice	DG/QSE		
Diffusion	<input checked="" type="checkbox"/> Ouverte <input type="checkbox"/> Interne <input type="checkbox"/> Limitée		
Résumé	Référentiel qualité des produits et des services de l'IGN		
Approbateur	Thierry Prin	Date d'approbation	29/01/2018



Institut national de l'information géographique et forestière (IGN), France From October 2017 to May 2018

- News concerning quality management
 - The IGN is now ISO9001 certified in the 2015 version for all processes except training and research.



BKG, Germany

From September 2017 to May 2018

- **News concerning quality management**
 - Working group on quality management established
 - Survey of all BKG products (first product-orientated, then process-orientated)
 - How are user needs documented?
 - Which reference documents do exist?
 - Are the quality aims in the reference documents harmonised?
- **Knowledge exchange with the national statistic institute (NSI) about**
 - Cooperation with the institutes from the Laender
 - Quality reports
 - Quality handbook



BKG, Germany

From September 2017 to May 2018

- **Any other news that would be of interest for Q-KEN?**
 - **BKG is looking for quality elements not for ISO only but also for fitness-for-use**
 - **Cooperation with the “Staatsbibliothek zu Berlin” (scientific library) with focus on user needs is in progress**



Ordnance Survey GB

From November 2017 to April 2018

- **News concerning Data Quality**

- Data improvement initiative on the water network is just about complete. We are awaiting feedback from the main customer
- A similar exercise is now taking place with named areas so that they are suitable for use in derived mapping.
- The previously mentioned focus on data issues failed to produce any quick wins and was disbanded within a few weeks

-



Ordnance Survey GB

From November 2017 to April 2018

- **News concerning quality management**
 -
 - Ordnance Survey is starting to get its head around Data Governance and this will shortly bring an increased focus in this area



Ordnance Survey GB

From November 2017 to April 2018

- Any other news that would be of interest for Q-KEN?
 -
 - The appointment of a Chief Data Officer has been followed by the creation of a new data team with Heads of Data Architecture, Data Strategy and Governance and Data Requirements and Management also being recruited.
 - This in turn, has led to the start of a creation of a Corporate Data Office and new Data Governance Procedures. It looks very likely that these procedures will be established along the lines of the DAMA Data Management Book of Knowledge guidelines (DM BoK).



Hellenic Cadastre, Greece

From October 2017 to May 2018

- **News concerning Data Quality**
 - National Cadastre creation: Quality Control for all delivered data using the Hellenic Cadastre (former NCMA's) Quality Plan (running 72 contracts, ~ 25,6 million property rights)
 - We are working on an application that allows contractors to remotely upload their deliverables to the HC database. The application will check the deliverables in real time and send the results to the contractor. It refers to quality parameters of completeness and logical consistency of cadastral data delivered. Expected to be completed till the end of next June.
- **News concerning quality management**
 - The organizational status of NCMA S.A., is now shifting from the form of S.A. company status, to a public organization entity and at the same time merging with the existing registry offices (law 4512 of 17-01-2018).
 - Within the new organizational structure of the HC, an Internal Control Unit was set up. As a matter of fact I have been honored to be chosen to be the head of it. The Internal Control Unit is an administrative unit in the level of Management and is in the organization chart directly under the President of the new organization entity.
 - HC develop a custom made PMIS specifically designed for cadastral projects linked to the already installed MS Project Server. We are working towards a PMIS extension, which includes the monitoring and management of all the quality control procedures. It is expected to be completed until the end of 2018.



NCMA S.A., Greece

From October 2017 to May 2018

- **Any other news that would be of interest for Q-KEN?**
 - In the tender procedure the rest of the country (4 contracts, ~2.1 million property rights). Expected till the end of the year, the signing of the first contracts.
 - The HC has completed the Forest Maps at ~ 55% of the country. The tender procedure for the remaining 45% is in progress.
 - Suspension of Forest Maps for 48% of the country and collection of objections from property owners was finished in September 2017 for 37% of the country. The suspension of the remaining 11% is scheduled to be implemented in mid of the year.
 - NCMA supports the forest agencies in the management of geospatial data and provide technical support to them.
 - The agency has not yet upload the orthoimages with 25cm GSD (Iso25) that were delivered in 2016. The HC has not yet received permission from the Ministry of National Defense.



BFKH FTFF, Hungary

From October 2017 to May 2018

- **News concerning Data Quality**
 - Quality control of attributes of the Hungarian unified land registry
 - a) comparative study between the attributes of the Cadastral map and the Land registry (consistency study)
 - b) Based on differences were made the correction by the land offices
- **News concerning Quality management**
 - Full internal audit is done, certification audit is in progress.
 - Reworking of the institutional Regulation Rules is done.
- **Any other news that would be of interest for Q-KEN?**
 - General Assembly of the Hungarian National Committee of European Organization for Quality (HNC for EOQ) was in April. One of the main goals of the committee is that the new government recognizes the importance of quality. Our institute supports the implementation of SDGs in the frame of Committee.
- **Topic I can offer for next webinar or meeting**

Quality control of attributes of the Hungarian unified land registry



OSi, Ireland

From October, 2017 to May, 2018

- **News concerning Data Quality**
 - **Review of Embankments/Antiquities**
 - Fix-up of 100000+ Embankments on-going; identification of Antiquities (Mounds, Ringforts) part of process
 - **Review of Buildings**
 - Completed the review of Form/Function of Buildings
 - **Review of inland islands**
 - On-going
 - **Review of Sites for**
 - On-going
 - **Named Group Editor**
 - Roll out to staff in Dublin office January 2018 – 4000+ Named Streets reviewed
 - Scheduled for rollout to Regional offices Q3/2018



Latvian Geospatial information agency, Latvia

From October 2017 to May 2018

- **News concerning Data Quality**
 - Revision of the data control process of our 1:10k topographic map
 - reduction of time spent per map sheet
 - removal of duplicate processes
 - specification updates with more detailed task descriptions
 - preparing to implement more quality control checks in ArcGIS



Latvian Geospatial information agency, Latvia

From October 2017 to May 2018

- **News concerning quality management**
 - Ongoing data structure harmonisation between topographic map products, introducing DFDD (DGIWG Feature Data Dictionary)
 - Working on automated and semi-automated data quality control in topographic maps and digital terrain/surface models
 - Harmonising of data of watercourses between Geographical Names database and 1:10k scale topographical map



Latvian Geospatial information agency, Latvia

From October 2017 to May 2018

- Any other news that would be of interest for Q-KEN?
 - This year LGIA has finished the improvement of state's levelling (N2) network, that was carried out from 2012 to 2018
 - The levelling network now consists of 605 height points in Latvian Normal Height System 2000,5 and the precision of the network is described by it's standard deviation of 1,7mm
 - Up to date 1:2k scale topographic plan's creation started for 3 new cities in addition to 6 cities in previous years



The State Land Service (SLS), Latvia

From October 2017 to April 2018

- **News concerning Data Quality**
 - The data on 20 thousand address points (4% of the number of address points) in the spatial data of the State Address Register are specified according to the data of the Cadastral Map and orthophotomap
- **News concerning quality management:**
 - New department was established – The Department of Process Supervision and Control
- **Any other news that would be of interest for Q-KEN?**



IGN, Spain

From September 2017 to may 2018

- **News concerning quality data**
 - **Quality control in the new Production environment using ArcGIS:** Developing rules and Quality Control flows in a new environment using data bases with ArcGIS PRO. A pilot Project with this new tool incorporated was launched in January.
- **News concerning quality management**
 - **Fast map-sheet production process:** A new streamlined process for making 1:25K maps has been developed and will be launched in June under the name of "MTN25 Streamlined Edition". In this new process, the map is generated by an automatic procedure and afterwards, following a checklist (Quality Register), it is manually edited for 3 to 5 hours. Quality controls based on sampling are included in the process. 525 maps sheets will be generated under this methodology from June to the end of the year.



Lantmäteriet, Sweden

From November 2017 to April 2018

- **News concerning Data Quality**
 - **Terms and definitions**
 - The changes of terms in 19157 from 19113, what changes do we need to do
 - **What quality controls are needed for our themes**
 - Start with three themes
 - **“up-to-date” How to describe it for our datasets**
 - What dates do the user need
 - **The Land register, how to summarize and describe the over all quality from all quality controls**

- **Swedish Guideline to 19157 together with the Swedish standards institute**
 - The work has started



Lantmäteriet, Sweden

From November 2017 to April 2018

- **News concerning quality management**
 - Uniform information handling
 - A common management of flows for issues, documents, customers and archive
 - Lantmäteriet needs to get more uniform working methods and enable digitization and create the conditions for one Lantmäteriet
 - Procurement via competitive procurement. The suppliers can apply and the dialogues begin.



Lantmäteriet, Sweden

From November 2017 to April 2018

- Any other news that would be of interest for Q-KEN?
 - Modern Topographic Production
 - Need for changes in the map production
 - Automatic generalisation
 - Automatic text placement
 - Maps in scales : 1:10 000, 1:50 000, 1:100 000, 1:250 000, 1:1M
 - Stop printing paper maps 1 July 2018
 - Choose to write your own mapping book, in 1:10 000 or 1:50 000
 - <http://www.lantmateriet.se/sv/Kartor-och-geografisk-information/Kartor-flygbilder-och-ortnamn/kartutskrift/>
 - <http://www.lantmateriet.se/en/Maps-and-geographic-information/Map-search-and-place-names/kartutskrift/>
 - Swedish geoprocess
 - Time frame for implementation at Lantmäteriet. 2018-2022
 - New object: point of interest
 - National Geodata Strategy
 - “basic data” about 150 datasets. Need for rules for description and specifications
 - Common way to describe the quality in the specifications



Bundesamt für Landestopografie swisstopo , Switzerland

From 09 2017 to 05 2018

- **News concerning Data Quality**

- New process to check the spelling of the street names with the local authority
We are in contact with 26 Cantone and they contact the communities.

https://www.swisstopo.admin.ch/content/events/de/swisstopo-internet/events2017/colloquium-16-17/20170324/jcr_content/contentPar/downloadlist/downloadItems/239_1490355026904.download/1_ProjetAdresses_Balanche.pdf

https://www.swisstopo.admin.ch/content/events/de/swisstopo-internet/events2017/colloquium-16-17/20170324/jcr_content/contentPar/downloadlist/downloadItems/240_1490355044708.download/2_SystemeDatenfluesseModelle_Flury.pdf

<https://www.swisstopo.admin.ch/de/swisstopo/veranstaltungen/colloque.detail.event.html/swisstopo-internet/events2017/colloquium-16-17/20170324.html>

- Still improvement in QA-Tools
- Optimizing QA-Definitions in production workflow



Bundesamt für Landestopografie swisstopo , Switzerland

From 09 2017 to 05 2018

- How Switzerland creates from available data a official street register
 - Data source:
 - Swiss cadastral data
 - Data from the Federal Statistical Office (buildings and street)
 - Topographic Landscape Model by swisstopo (road axis)
 - Stakeholder
 - Swisstopo
 - Federal Statistical Office
 - 26 Cantons
 - Communities
 - Federal Spatial Data Infrastructure FSDI
 - Citizen
 - Anyone who needs official addresses



Proposals in Dublin for presentations at next plenary

Subject	Organisation
BKG is looking for quality elements not for ISO only but also for fitness-for-use	BKG, Germany
application that allows contractors to remotely upload their deliverables to the HC database	NCMA S.A., Greece
develop a custom made PMIS specifically designed for cadastral projects linked to the already installed MS Project Server	NCMA S.A., Greece
automated and semi-automated data quality control in topographic maps and digital terrain/surface models	Latvian Geospatial information agency, Latvia
these procedures will be established along the lines of the DAMA Data Management Book of Knowledge guidelines (DM BoK).	Ordnance Survey GB
Knowledge exchange with the national statistic institute (NSI)	BKG, Germany



Proposals in Dublin for presentations at next webinar

Subject	Organisation
Quality control of attributes of the Hungarian unified land registry	BFKH FTFF, Hungary
From Ljubljana:	
Presentation of a real case in Flare to use a data specification to produce other "documents"	Lantmäteriet, Sweden
From Paris:	
Possibly water network creation and quality assessment	Ordnance Survey
Developed of a new positional accuracy evaluation methodology to test the automatic network obtained from DTM02:	IGN, Spain

