DATA AS A BASIS OF THE DIGITAL SOCIETY
Republic of Bulgaria

- Situated on Balkan peninsula in southeastern Europe
- Area - 111 square kilometers
- Population - 7.2 million people
- Member of NATO from 2004
- Member of European Union from 2007
- PCC presidency during the first six months of 2018
Interesting Facts About Bulgaria

- Bulgaria is the only country in Europe that hasn’t changed its name since it was first established in 681 AD.
- The oldest gold treasure in the world was found in Bulgaria (dating back more than 6000 years)
- The inventor of the first electronic digital computer - John Atanasoff has Bulgarian descent.
- The first digital wristwatch was also invented by a Bulgarian Peter Petroff.
- Bulgarian yogurt is the best in the world, thanks to the unique Lactobacillus bulgaricus bacteria used for its production. This bacteria can only be found on the territory of the country.
- Bulgaria is the country with the highest number of natural mineral springs in Continental Europe – over 600.
Bulgarian Presidency

- Next PCC conference and plenary meeting in Sofia, Bulgaria – March 2018
- Geodesy, Cartography and Cadastre Agency – host of the event
- Main topic: Data as a basis of the digital society
- Spatial Data – most of the data has a spatial component
MAIN FUNCTIONS

Cadastre and Property Registration Act
- Cadastral map and cadastral registers
- Acts, regulations, programs, concepts
- Administrative and technical cadastral servicing
- Register of licensed individuals and legal entities for cadastral activities

Geodesy and Cartography Act
- Topographic maps 1:5000, 1:10 000
- State levelling and sea-level networks
- Geodetic networks
- Register of geographic names
- Spatial databases and geographic information system

Sectors of operation and clients

Sectors
- Real estate market
- Territorial and organizational planning
- Infrastructure
- Environment

Clients
- State administrations
- Surveyors
- Notaries
- Registry judges
- Real Estate Agencies
- Banks
- Citizens
Priorities of the Bulgarian presidency

Data Quality

Data Security

Data Integration and Services
Data Quality

- **Positional accuracy**: Concerns expected deviance in the geographic location of an object from its true ground position.
- **Attribute accuracy**: Concerns the identification of the reliability, or level of purity (homogeneity), in a data.
- **Lineage**: Concerns historical and compilation aspects of the data – source, content, specification, coverage, compilation and transformation methods.
- **Logical Consistency**: Concerns determining the faithfulness of the data structure for a data set, topology of the data.
- **Completeness**: Concerns holes in the data, unclassified areas, and any procedures that may have caused data to be eliminated.
Data Sources

- Analogue maps
- Aerial photos
- Remote sensing
- Surveying data
- Existing digital data
Data Security

Privacy
- Personally identifiable data, authorized use and disclosure of the data, data privacy policy

Confidentiality
- Stored data is safe from unauthorized access and use

Availability
- Available for use when is needed.

Integrity
- Data is reliable and accurate

Protection
- Information security policy and assessment, standards, laws and regulations
Data Integration

Data standards
ISO

Data exchange

Data formats

Extract

Transform

Cleansing

Load

Validate
Data delivery

Find
View
Download
Metadata
Services

Data Delivery

Find
View
Download
Metadata
Services

Data Delivery
Data Services

Cadastral data services

Paid services

Open data and free services

Spatial data web services
Thank you for your attention!

We look forward to seeing you in Sofia in March 2018!!!

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