

USE OF AVAILABLE DATABASES AND THE WAY THEY ARE AGREGATED IN THE PROCESS OF INFRASTRUCTURE MAPPING

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Databases used by the Office of Electronic Communications

Name	Operator	Scope
SIIS - Information System on Broadband Infrastructure	UKE – Office of Electronic Communications	Data about telecommunications infrastructure and planned investments in Poland
PRG - Polish National Register of Boundaries	GUGIK – General Office of Geodesy and Cartography	Data about boundaries and areas of territorial division units of Poland
BDOT10K - Topographic Database	GUGIK	List of all topographical objects
PESEL - Universal Electronic System for Registration of the Population	MSWiA – Ministry of the Interior and Administration	Database of national identification numbers. Contains data about every resident of Poland. Provides age diagram.
TERYT - National Official Register of the Territorial Division of the Country	GUS - Central Statistical Office	Systems of identifiers and names of units of territorial division and localities, statistical regions and census enumeration areas, identification of addresses of streets, real estates, etc.
Demographics Database	Commercial Supplier	Variables representing living population, building types, commercial activity



Information System on Broadband Infrastructure (SIIS) Database



Office of Electronic Communications







SIIS – Database



Network model implemented in regulation











Poradnik dla Samorządów część 1 -budowa sieci



Data: Infrastructure





PRG – Polish National Register of Boundaries



Provides geocoded data of administrative divisions on all levels (voivodeships, counties, municipalities, special districts etc).





BDOT10K – Topographic Database

BDOT10K catalogues all topographic data and buildings.

Catalogued list of all buildings in the country - crucial for the analysis conducted at UKE.





TERYT

The system distinguishes, with the use of separate identifiers:

- 1. System of identifiers and names of territorial division units TERC
- 2. System of identifiers and localities names SIMC
- 3. System of statistical regions and census enumeration areas BREC
- System for identification of street addresses, real estate, buildings and dwellings - NOBC
- 5. The central catalogue of streets ULIC











PESEL contains a lot of information
surname and names;
date and place of birth;
sex;
citizenship;
marital status;
and more.



Age can be used to compile data about age structure in specified areas.





Demographics Database:



Index of telecommunications services usage

Index built on questions regarding:

•mobile phone usage and type of service (pre-paid or post-paid, private or corporate) among household members;



•average expenditures of household members on mobile phones, fixed phones and internet;

•satisfaction with services of mobile and fixed phone operators;







Analytical GIS tools



FME – a collection of tools for data transformation and data translation



QGIS - cross-platform free and open-source desktop geographic information system (GIS) application that provides data viewing, editing, and analysis capabilities



MapInfo Proffesional - allows users to visualize, analyze, edit, interpret, understand and output data to reveal relationships, patterns, and trends



ArcGis - used for: creating and using maps, compiling geographic data and analyzing mapped information





Aggregation of data





AVAILABLE DATABASES - buildings





What kind data do we have?









Thank you for your attention

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