UNITED NATIONS GROUP OF EXPERTS　　**WORKING PAPER**
ON GEOGRAPHICAL NAMES　　　　　　**NO. 25/9**

Twenty-ninth session
Bangkok, Thailand, 25 – 29 April 2016

Item 9 of the Provisional Agenda

Activities Relating to the Working Group on Toponymic Data Files and Gazetteers

Geographical Names database in Slovenia**

Submitted by Slovenia*

Geographical Names database in Slovenia

Database for management and maintenance of geographical names in Slovenia is Register of Geographical names (RGN). Register is originally stand-alone database and its geographical names are not linked to topographic objects.

The register contains geographical names that were captured from maps 1 : 5000 (about 140,000 names), 1 : 25,000 (about 60,000 names), 1 : 250,000 (about 8,000 names), 1 : 1,000,0000 (about 1,000 names) scale. RGN of all four scales cover the entire territory of Slovenia and also the border areas of neighboring countries. The majority of geographical names in the register are endonyms.

Despite the fact that the register has not been an object-oriented, some years ago was established a logical model that is based on three entity types:
- geographical feature (object)
- geographical name and
- appearance (inscription).

Every geographical feature in the graphic database has at least one geographical name (it can have several - in a multilingual area or traditional names for geographical features).
Each geographical name in a relational database may have several appearances (if it appears on maps of different scales).

As the GN database upgrade was necessary, it was decided to incorporate geographical names into new topographic database that is INSPIRE (Infrastructure for Spatial Information in Europe) conform. Establishment of topographic database is implemented in the period 2014-2016. Topographic database uses an ArcGIS platform and provides maintenance of data as well as the preparation of various products for users.

Geographical names from the RGN are in the last phase of data migration into topographic database. Geographical names will an independent layer, but linked with the topographic object by identifier. Due to the huge volume of work the integration of geographical names with topographic objects will be performed gradually. In 2016 first will be linked hydrographic topographic objects with associated hydronyms.

Geographical names in new database will contain besides all mandatory and some voidable INSPIRE attributes, also attributes from RGN (more or less related to the cartographic use and standardization).

Attribute	Mandatory/ voidable
geometry	M
Inspire ID	M
name	M
type	V
localType	V
leastDetailedViewingScale	V
mostDetailedViewingScale	V
related Spatial object	V
lifeCycleInfo	V
script	V
language	V
nativeness	V
nameStatus	V
sourceOfName	V

Table 1: Slovenian INSPIRE data schema

The INSPIRE Conform Web Service for Geographical Names is also under construction and will be operational by the end of 2016.