DATA MANAGEMENT PLAN

Project References:

MYGEOSS Third Call For Innovative Apps in the environmental and social domains (http://digitalearthlab.jrc.ec.europa.eu/mygeoss)

Name of the App:

City Focus

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Contract Number

CCR.IES.C393201.XO

1. App Description

City Focus is a web-based interactive 2D and 3D GIS application to find the best place in a city to live as well as to pass shorter staying. The user can select among different criteria and decide their importance by assigning weights to each of them. The application provides thematic maps displaying insights on the places which better fit the user's preferences.

2. Data Sources and Formats

The City Focus app dataset includes different data sources, selected in compliance with the MYGEOSS call guidelines. Data involved are exclusively geospatial data obtained from the original repositories through their dedicated download tools, in shapefile and raster format. In Table 1, It is reported a summary of the repositories adopted and the associated data licences.

Repository	License	Link
Open Data Lombardia	Italian Open Data License v.2.0 (IODL 2.0) (http://www.dati.gov.it/iodl/2.0)	https://www.dati.lombardia.it
Dati Comune Milano	Italian Open Data License v.2.0 (IODL 2.0) (http://www.dati.gov.it/iodl/2.0)	http://dati.comune.milano.it
OpenStreetMap	Open Data Commons Open Database License (ODbL) (http://opendatacommons.org/licenses/odbl)	https://www.openstreetmap.org
ISTAT	CC-BY 3.0 (https://creativecommons.org/licenses/by/3.0/it)	http://www.istat.it
GEOSS data core	/	https://www.earthobservations.org/geoss_dsp.shtml

Table 1: data sources

3. Derived Data Generation and Distribution

Data collected from the original repositories has been processed to obtain derived raster maps, which will constitute the core dataset of the City Focus app. Due to the different formats, spatial extension and resolution of the data, preliminary processing is required to feed the application database with homogeneous information.

Raw data, derived data and processing procedure will be included into the app code repository. Derived data has been created by meshing up raw data from different sources. For the case of Milan, the original licences of raw data involved in the mashup allowed this process as specified in their legal texts.

The deployment of the app for other cities or regions will take into account limitation on derived data generation and release accordingly to possible local data licence limitations.

Raw data representing a subset of the original databases will be distributed with the same native licence.

Derived data will be distributed with open license, accordingly to the original data license specifications as well as to the MYGEOSS guidelines.

4. Data Specification

Currently, the app dataset includes data listed in Table 2. This information has been used to generate the derived raster maps.

#	Data	License	Source and Notes
1	Corine Land Cover	GEOSS data core	http://www.eea.europa.eu/data-and-maps/data/corine-land-cover-2000-clc2000-seamless-vector-database-5
2	PM 2.5 annual average map	GEOSS data core	http://www.eea.europa.eu/data-and-maps/data/airbase-the-european-air-quality-database-7
3	Annual mean temperature (250 m)	GEOSS data core	http://www.geodati.fmach.it/eu
4	ATM	Open Data Commons Open Database License (ODbL)	https://www.openstreetmap.org
5	Bank	Open Data Commons Open Database License (ODbL)	https://www.openstreetmap.org

6	Supermarket	Open Data Commons Open Database License (ODbL)	https://www.openstreetmap.org
7	Bus stop	Open Data Commons Open Database License (ODbL)	https://www.openstreetmap.org
8	Veterinary	Open Data Commons Open Database License (ODbL)	https://www.openstreetmap.org
9	Post office	Open Data Commons Open Database License (ODbL)	https://www.openstreetmap.org
10	Hospital	Open Data Commons Open Database License (ODbL)	https://www.openstreetmap.org
11	Pharmacy	Open Data Commons Open Database License (ODbL)	https://www.openstreetmap.org
12	Cafè	Open Data Commons Open Database License (ODbL)	https://www.openstreetmap.org
13	Natural water	Open Data Commons Open Database License (ODbL)	https://www.openstreetmap.org
14	Waterway	Open Data Commons Open Database License (ODbL)	https://www.openstreetmap.org
15	Aree cani *(Dog parks)*	Italian Open Data License v.2.0 (IODL 2.0)	http://dati.comune.milano.it
16	Parchi (Parks)	Italian Open Data License v.2.0 (IODL 2.0)	http://dati.comune.milano.it
17	Aree verdi *(Green areas)*	Italian Open Data License v.2.0 (IODL 2.0)	http://dati.comune.milano.it
18	WIFI	Italian Open Data License v.2.0 (IODL 2.0)	http://dati.comune.milano.it
19	Stazione ferroviaria e metropolitana *(Train and metro station)*	Italian Open Data License v.2.0 (IODL 2.0)	http://dati.comune.milano.it
20	Localizzazione dei nidi d'infanzia *(Kindergarten)*	Italian Open Data License v.2.0 (IODL 2.0)	http://dati.comune.milano.it

21	Offerta sociale prima infanzia *(Kindergarten)*	Italian Open Data License v.2.0 (IODL 2.0)	https://www.dati.lombardia.it
22	Scuole primarie *(Primary schools)*	Italian Open Data License v.2.0 (IODL 2.0)	http://dati.comune.milano.it
23	Scuole secondarie di primo livello *(Secondary schools)*	Italian Open Data License v.2.0 (IODL 2.0)	http://dati.comune.milano.it
24	Scuole secondarie di primo livello *(High schools)*	Italian Open Data License v.2.0 (IODL 2.0)	http://dati.comune.milano.it
25	Sedi universitarie *(University)*	Italian Open Data License v.2.0 (IODL 2.0)	http://dati.comune.milano.it
26	University	Open Data Commons Open Database License (ODbL)	https://www.openstreetmap.org
27	Police station	Open Data Commons Open Database License (ODbL)	https://www.openstreetmap.org
28	Griglia popolazione (*Population density*)	CC-BY 3.0	http://www.istat.it

Table 2: data specifications

5. Possible Improvements and Modifications

Most of the involved repositories contain other information of interest for the development of the app. Along the first and final releases, additional information from the listed repositories may be included in the app core dataset. The definitive version of the Data Management Plan will be delivered within the final release of the application (November 30, 2016).

Date and Place
Como,22/11/2016

Signature

Daniele Oxoli