World-Wide Scale Geotagged Image Dataset for Automatic Image Annotation and Reverse Geotagging

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In the following, the files corresponding to the dataset presented in the paper submitted to ACM Multimedia Systems 2014 Conference are described.

1- photo_metadata.zip: a zip file containing photo metadata in CSV format. The provided metadata are:

Field Name	Description
id	Photo Flickr identifier
userid	Flickr user identifier
tags	Image tags
latitude	Latitude of image location
longitude	Longitude of image location
views	Number of image views
date_taken	Date of image capture
date_uploaded	Date of image upload to Flickr
Accuracy*	Flickr accuracy level of the geographical coordinate
flickr_secret**	Flickr secret
flickr_server**	Flickr server name
flickr_farm**	Flickr farm name

*: Flickr provides the following description "Accuracy: recorded accuracy level of the location information. World level is 1, Country is ~3, Region ~6, City ~11, Street ~16. Current range is 1-16. Defaults to 16 if not specified."

**: These fields can be used to build the URL of the photo. The URL takes the following structure: http://farm{farm-id}.staticflickr.com/{server-id}/{id}_{secret}.jpg
For more information see: http://www.flickr.com/services/api/misc.urls.html

2- spatial-index.zip: this file contains two files in CSV format.
   a. Tile-Quadtree-Regions.csv: this file provides metadata about the generated quad-tree index of our dataset. We first created squared tiles; each tile is subdivided according to quad-tree algorithms. Accordingly, each tile contains several quad-tree regions. Each region is described by the coordinates of the box they define.

Field Name	Description
Tile ID	Tile Identifier
Quad-Tree Region ID	Quad-tree-region identifier
Min Longitude	The min longitude of the quad-tree region
Max Longitude	The max longitude of the quad-tree region
Min Latitude	The min latitude of the quad-tree region
Max Latitude	The max latitude of the quad-tree region

   b. Quadtree-Neighborhood.csv: This file provides neighborhood information about the generated quad-tree regions. The provided information are:

Field Name	Description
Tile ID	Tile Identifier
Quadtree Region ID	Identifier of the first quad-tree region
Quadtree Region ID2	Identifier of the neighboring quad-tree region

3- unique tags-occurrences-corrections.zip: This file contains a CSV which list the set of unique tags in the dataset, the number of occurrences, and possible a possible correction according to the algorithm described in section 3.2 of the paper.

Field Name	Description
Orginal Tag	A tag as obtained from Flickr
#Occurrences	Total number of occurrences of the tag in our dataset
Correction Proposal	Correction proposal for the tag (see the paper)

We are integrating the corrected tags into the photo_metadata.csv directly. The final version will be provided soon.