



## TRIPOD Project Newsletter N.04- December 2009

Welcome to **Issue 4!**

Well, this is it! The TRIPOD project is now approaching its end

The Newsletter provides information on the upcoming technologies/news in the field of image geo-localisation and related issues, bringing you up to date information on the ongoing activities of our project.

Your Feedback is very welcome! Your active involvement in this community creates a network of professional users providing authoritative opinions. Your feedback on the most relevant information/events and the most innovative/interesting technologies is a precious contribution.

Find more information about the **TRIPOD PROJECT** on our website <http://tripod.shef.ac.uk/>

### TRIPOD results

TRIPOD main services can be synthesized as follows:

1. A georeferenced image collection: a large collection of photographs with both location and direction information encoded in the image
2. Tools that automatically enhance(caption) georeferenced images by adding detailed text and conceptual information about the location of both photograph and the photographer at the time the picture was taken
3. A spatial image search engine that allows users to locate images using a range of keywords, conceptual and spatial query constructors

### Are you interested in TRIPOD services ?

Please specify WHICH are Tripod services (1-2-3) that better fit your needs,

WHY and which are your SCENARIOS of business application. Put in [contact with us!!](#)

### UPCOMING EVENTS

**Members of the TRIPOD Consortium will be attending the following events. We are looking forward to meeting you there!**

- **SMAP 2009**, 14-15 December 2009, San Sebastián, Spain  
<http://www.smap2009.org/en/presentation> . TRIPOD Paper presentation ( by Dublin City University)
- **I3A- International Imaging Industry Association- PMA photo marketing**, 18-27 February 2010, Anaheim, USA <http://www.i3a.org> <http://pmai.org>. Alinari 24ORE participation

### Other events of interest

- **ACM SIGMM** - International Conference on Multimedia Information Retrieval (AC MIR-2010) 29-31 March 2010, Philadelphia, Pennsylvania, USA, <http://riemann.ist.psu.edu/mir2010>
- **GIR'10** -6th Workshop on Geographic Information Retrieval, to be held at the University of Zurich, Switzerland, in cooperation with ACM SIGSPATIAL, 18-19 February 2009  
<http://www.geo.unizh.ch/~rsp/gir10/>



## APPLICATIONS, TOOLS, TECHNOLOGIES, AND NEWS RELATED TO IMAGE GEO-LOCALISATION

The list includes related links, articles of interest, eventual TRIPOD competitors.

### GPS RECEIVERS

- ATP Photo Finder <http://www.atpinc.com>
- Garmin eTrex Vista HCx Handheld GPS Receiver <http://www.garmin.com>
- Garmin Oregon 400t Handheld GPS Receiver <http://www.garmin.com>
- Pharos Science Traveler 535+ Handheld GPS Receiver <http://www.pharosgps.com/>
- RoyalTek RBT-2210 Bluetooth GPS Receiver <http://www.RoyalTek.com>
- RoyalTek GPS logger RGM-3800 <http://www.royaltek.com/>
- Apple iPhone 3G(s) *MotionX-GPS Drive* <http://www.apple.com>
- Visiontac VGPS-900 [http://www.visiontac.com/v900\\_feature.htm](http://www.visiontac.com/v900_feature.htm)
- BT-Q1000X (Qstarz) <http://www.qstarz.com/Products/GPS%20Products/BT-Q1000X-F.htm>
- GF-Q900 (Qstarz) Digital Compass <http://www.qstarz.com/Products/GPS%20Products/GF-Q900-F.htm>
- Navibe BackTrack GPS (Digital Compass) [Http://www.navibe.com](http://www.navibe.com)
- i-Blue 747A+ Bluetooth GPS Data Logger <http://www.transystem.com.tw/>
- Holux M-1000C Bluetooth GPS Data Logger(Bluetooth / USB Dual Interfaces , 66CH MTK II, WAAS, 200k Waypoints) <http://www.holux.com/JCore/en/home/index.jsp>
- Wintec WBT-201 Bluetooth Data Logger GPS Receiver (Ultra Compact, Auto on/off, WAAS, Bluetooth, USB, Push to Log, Google Earth Integration with Photo [http://www.wintec.com.tw/en/product\\_detail.php?pro\\_id=65](http://www.wintec.com.tw/en/product_detail.php?pro_id=65)
- Active 10 Plus <http://www.satmap.com/>

### GPS CHIPSET

- U-blox UBX=G5010 GPS Receiver Chip <http://www.u-blox.com/>
- Infineon PMB 2520 Hammerhead GPS Receiver <http://www.infineon.com/>
- QinetiQ Q20 GPS Receiver Module <http://www.qinetiq.com/>
- Epson S3E19863 GPS Module [http://www.epson.co.jp/e/newsroom/2006/news\\_20061218.htm](http://www.epson.co.jp/e/newsroom/2006/news_20061218.htm)
- Trimble Copernicus GPS Module <http://www.trimble.com/embeddedsystems/copernicus.aspx?dtID=overview>
- Texas Instruments NaviLink 5.0 Single Chip GPS Receiver <http://focus.ti.com/general/docs/wtbu/wtbuproductcontent.tsp?templateId=6123&navigationId=12776&contentId=30978>
- SiRF Star III GPS Receiver Chipset <http://www.sirf.com/>
- SiRFstar III <http://www.sirf.com/>
- SiRFstarIV <http://www.sirf.com/>
- AssistNow: Assisted GPS service (by u-bloks.com) <http://www.u-blox.com/en/gps-solutions/assisted-gps.html>
- A-GPS chip (Infineon and Seiko-Epson) <http://www.infineon.com/cms/en/corporate/press/news/releases/2009/INFWLS200902-033.html>

### GPS SOFTWARE AND ADD ON

- IMENSE auto tagger <http://www.imense.co.uk/autotagger/>
- Geotools <http://jira.codehaus.org/secure/ReleaseNote.jspa?version=13698&styleName=Text&projectId=10270>
- Mapping the World's Photos: Extensive Flickr Photo Analysis [http://infosthetics.com/archives/2009/04/mapping\\_the\\_worlds\\_photos\\_extensive\\_flickr\\_photo\\_analysis.html](http://infosthetics.com/archives/2009/04/mapping_the_worlds_photos_extensive_flickr_photo_analysis.html)
- Bing Maps Searched Images <http://apb.directionsmag.com/archives/5887-Bing-Maps-Geocodes-Searched-Images.html>
- Google Researchers Teach Computers Out How To Recognize Images Of Famous Landmarks <http://googleblog.blogspot.com/2009/06/new-landmark-in-computer-vision.html>



## OTHERS (NEWS, PRESS, PAPERS, OTHER RELATED INFOS)

- paper <http://spiedl.aip.org/getabs/servlet/GetabsServlet?prog=normal&id=PSISDG0073340000173341900001&idtype=cvips&gifs=yes>
- chip directory and news [http://www.business.com/directory/transportation\\_and\\_logistics/software\\_and\\_technology/global\\_positioning\\_systems\\_gps/accessories/gps\\_chips/weblistings.asp](http://www.business.com/directory/transportation_and_logistics/software_and_technology/global_positioning_systems_gps/accessories/gps_chips/weblistings.asp)
- gps review, news <http://gpstracklog.com/>
- gps daily news <http://www.gpsdaily.com/>
- gps review <http://gpsnavigationreview.net/>
- review <http://www.trailspace.com/gear/navigation/>
- gps review <http://www.gpsreview.net/>
- gps forum <http://forums.gpsreview.net/>
- gps review <http://www.gpsgazette.com/category/reviews/>
- gps catalogue and review <http://www.retrevo.com/samples/GPS.html>
- gps review <http://thegpsguy.wordpress.com/>
- gps review <http://gpstekreviews.com/>

## Publications

Aker, A., Gaizauskas, R. (2009) [Summary Generation for Toponym-Referenced Images using Object Type Language Models](#). Proc. of the International Conference on Recent Advances in Natural Language Processing (RANLP), 2009, Borovets, Bulgaria.

Gornostay T. and Aker A. (2009) [Development and Implementation of Multilingual Object Type Toponym-Referenced Texts for Optimizing Automatic Image Description](#) in Proceedings of the 15th International Conference on Computational Linguistics, May 27-31, Bekasovo, Russia.

Hall, M.M., and Jones, C.B. (2009) [Initialising and Terminating Active Contours for Vague Field Crispig](#), GISRUk 2009, 04/2009.

Jones, C., Tomko, M., Purves, R.S., Hall, M., Smart, P. [Report and Prototype for Enriching Geo-referenced Images with Spatial Data, track: Technologies, standards, meta-data](#). Speaker: Andrea de Polo. Proceeding, presentation and tutorial Moscow, Russia 1-12-2009

Kanoulas, A.; Aslam, J. (2009) [Empirical Justification of the Gain and Discount Function for nDCG](#), CIKM'09, November 2-6, 2009, Hong Kong, China

Schlieder, C., and Matyas, C. (2009 to appear). [Photographing a City: An Analysis of Place Concepts Based on Spatial Choices](#). In: Computational Models of Place, Special Issue of Spatial Cognition and Computation: An Interdisciplinary Journal.

Tomko, M., Trautwein, F., & Purves, R. (2009). [Identification of Practically Visible Spatial Objects in Natural Environments](#). In M. Sester, L. Bernard & V. Paelke (Eds.), Advances in GIScience (pp. 1 - 23). Berlin Heidelberg: Springer-Verlag.

Tomko, M., & Purves, R. (2009). [Venice, City of Canals: Characterizing Regions through Content Classification](#). Transactions in GIS, 13(3), 295-314.

Twaroch, F.A., Purves, R.S., and Jones, C.B. (2009) [Stability of Qualitative Spatial Relations between Vernacular Regions Mined from Web Data](#), Workshop on Geographic Information on the Internet, Toulouse, France, 2009.

## Posters at conferences

Gornostay T. and Skadina I. (2009) [English-Latvian Toponym Processing: Translation Strategies and Linguistic Patterns](#). In: Proceedings of the 13th Annual European Association for Machine Translation Conference, May 14-15, Barcelona, Spain, 81-87.

Gornostay T. and Skadina I. (2009) [Pattern-based English-Latvian Toponym Translation](#). In: Proceedings of the 17th Nordic Conference on Computational Linguistics NODALIDA, May 14-16, Odense, Denmark, NEALT Proceedings Series, Vol. 4 (2009), 41-47.



The TRIPOD Community is enlarging its membership; new members are very welcome so if you are connected with users willing to join our community, please put them in [contact with us](#).

Thank you for your collaboration!

Kind regards  
The Tripod team

### Contact Details

Tripod Project Coordinator: Mark Sanderson  
Email: [m.sanderson@shef.ac.uk](mailto:m.sanderson@shef.ac.uk)  
Tel: +44 114 22 22 648  
Fax: +44 114 27 80 300

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