

2.3.5 Flux

Analyses de quantités en mouvement entre territoires, impliquant l'existence de vecteurs origine/destination et celle de quantités échangées.

(> cas typique : échanges commerciaux entre régions ou nations)

a) publications

Boyandin I, Bertini E, Bak P, Lalanne D (2011) *Flowstrates: An Approach for Visual Exploration of Temporal Origin-Destination Data*. Eurographics / IEEE Symposium on Visualization 2011 (EuroVis 2011) vol 30 n3 <https://svn.labri.fr/visu/EuroVis%202011/eurovis2011/pdf/v30i3pp0971-0980.pdf> (acc 30 09 2013)

Boyandin I, Bertini E, Lalanne D (2010) *Using Flow Maps to Explore Migrations Over Time*. Proceedings of Geospatial Visual Analytics Workshop in conjunction with The 13th AGILE International Conference on Geographic Information Science (GeoVA) <http://diuf.unifr.ch/main/diva/sites/diuf.unifr.ch.main.diva/files/jflowmap-geova10.pdf> (acc 12 06 2013)

Friendly M. (2002) *Visions and Re-Visions of Charles Joseph Minard* Journal of Educational and Behavioral Statistics Spring 2002, Vol. 27, No. 1, pp. 31-51 <http://www.datavis.ca/papers/jeps.pdf> (acc 02 10 2013)

Konjar et al. (2010) *Using flow maps to explore functional regions in Slovenia*. Proceedings of the 2nd International Conference on Information Society and Information Technologies - ISIT 2010 <http://diuf.unifr.ch/people/lalanned/Articles/isit10.pdf> (acc 19 03 2013)

Phan D., Xiao L., Yeh R., Hanrahan P., Winograd T. (2005). *Flow Map Layout*
Proc. INFOVIS '05 Proceedings of the Proceedings of the 2005 IEEE Symposium on Information Visualization http://graphics.stanford.edu/papers/flow_map_layout/ (acc 14 06 2013)



Tominski C., Schumann H., Andrienko G., Andrienko N. (2012) *Stacking-Based Visualization of Trajectory Attribute Data*
IEEE Transactions on Visualization and Computer Graphics (Proceedings IEEE Information Visualization 2012), vol. 18(12). http://www.informatik.uni-rostock.de/~ct/pub_files/Tominski12TrajectoryVis.pdf (acc 14 03 2013)

Zhao L., Forer P., Harvey A.S. (2008) *Multi-Scale and Multi-Form Visualisation of Human Movement Patterns in the context of Space, Time and Activity: From Timeline to Ringmap*. AGILE 2008 Conference, Girona, Spain <http://geoanalytics.net/GeoVis08/a25.pdf> (acc 14 03 2013)

b) demos en ligne

American migration interactive map
<http://www.forbes.com/special-report/2011/migration.html> (acc 24 08 2013)

Flow map (FM)
<http://geoanalytics.net/and/papers/vast2012em/guidelines/FM.html>

JflowMap / Flowstrates
<http://code.google.com/p/jflowmap/wiki/Flowstrates> (acc 08 05 2013)

Flowmap U Utrecht
<http://flowmap.geog.uu.nl/index.php>

Re-Visions of Minard (M.Friendly)
<http://www.datavis.ca/gallery/re-minard.php> (acc 05 05 2012)

What has ITC done with Minard's map?
<http://www.itc.nl/personal/kraak/1812/minard-itc.htm> (acc 03 10 2013)

