ICA Commission on Visual Analytics

Activities from 2015 - 2019

Co-Chairs: Urška Demšar & Anthony Robinson



Terms of Reference

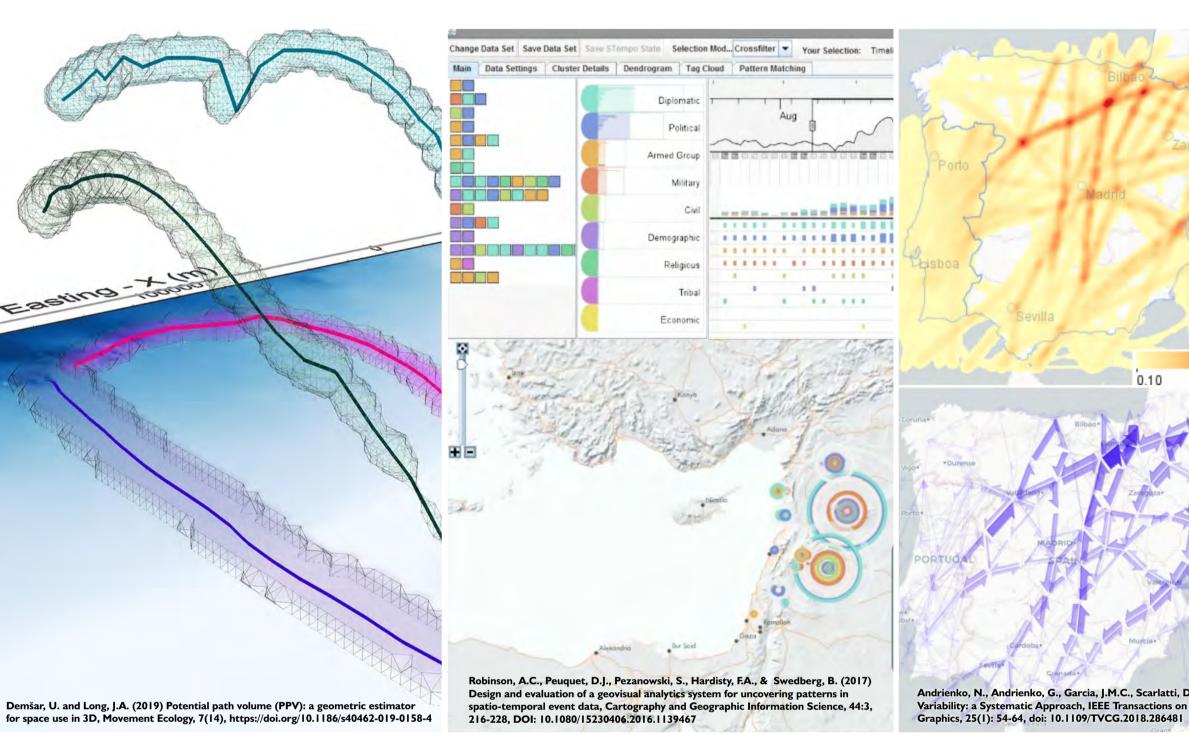
In 2015, the ICA Commission on Visual Analytics proposed the following terms of reference for the period until 2019:

Develop a new research agenda for visual analytics in cartography that couples key scientific and societal challenges in collaboration with related ICA Commission.

Actively disseminate technical and methodological advances in cartographic visual analytics through workshops, seminars, and peer-reviewed publications – with linkages to other ICA Commissions and allied organizations in other fields.

Conduct annual meetings to develop research in key thematic areas, partnering with international conferences and other ICA commissions to expand our reach beyond traditional venues and audiences.

Maintain a dedicated web presence and engage with members via social media to highlight Commission activities and promote participation beyond attendance at in-person meetings through new forms of distance collaboration.



Publications

The Commission on Visual Analytics has collaborated to develop a range of articles to support the goals outlined in the Terms of Reference, including:

Griffin, A.L., Robinson, A.C., Roth, R.E. (2017). Envisioning the Future of Cartographic Research. International Journal of Cartography. 3(sup 1): 1-8.

Robinson, A.C., Demsar, U., Moore, A.B., Buckley, A., Jiang, B., Field, K., Kraak, M-J., Camboim, S., Sluter, C.R. (2017) Big Data and Cartography: Research Challenges and Opportunities for Making Maps that Matter. International Journal of Cartography. 3(sup 1): 32-60.

Robinson, A. (2017). Geovisual Analytics. The Geographic Information Science & Technology Body of Knowledge (3rd Quarter 2017 Edition), John P. Wilson (ed.).

In addition, the Commission has edited and co-edited the following journal special issues:

2019 - Information Visualization - Special Section on Visual Movement Analytics: https://journals.sagepub.com/toc/ivia/18/1

2019 - ISPRS International Journal of Geographic Information - Special Issue on Geovisualization: https://www.mdpi.com/journal/ijgi/special_issues/Geovisualization

2017 - International Journal of Cartography - Special Issue on Research Agendas in Cartography: https://www.tandfonline.com/toc/tica20/3/supl

GVIZ2018, Melbourne

Workshops & Conferences

Since 2015 the Commission on Visual Analytics has led the following meetings and workshops:

2018 - New Directions in Geovisual Analytics: Visualization, Computation, and Evaluation (GVIZ2018), Workshop at GIScience 2018 in Melbourne, Australia

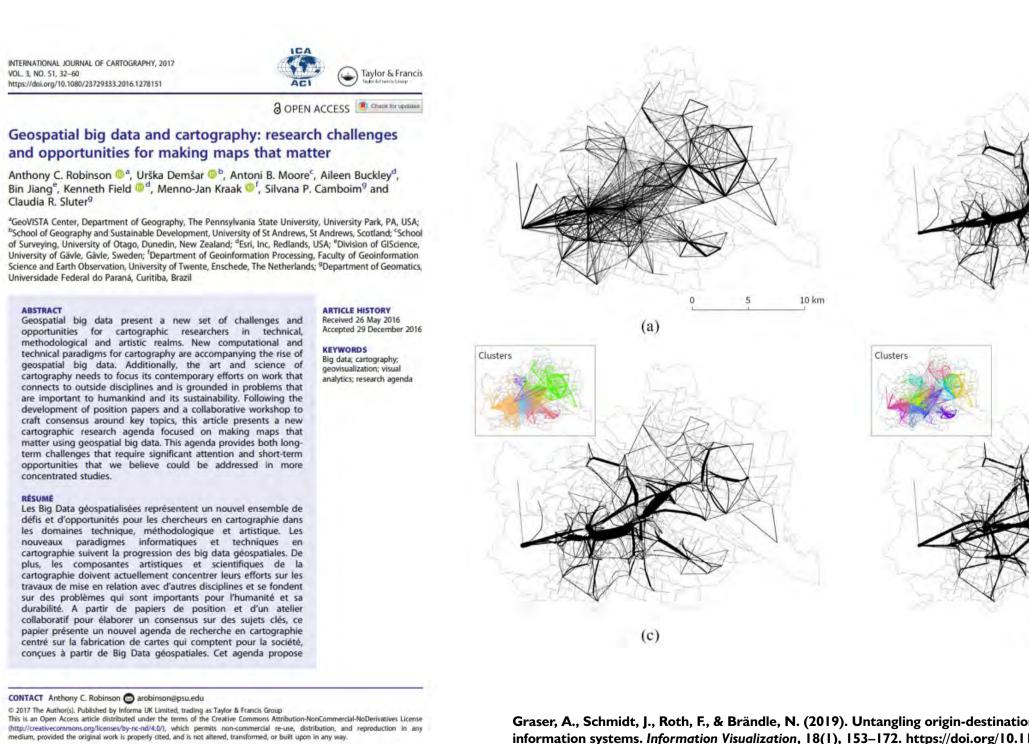
2016 - Understanding Spatial Data (Big and Small) with Visual Analytics (SpatialVA 2016), Workshop at GIScience 2016 in Montreal, Canada.

The Commission has also co-sponsored events with other ICA Commissions and non-ICA sister organizations:

2019 - Pre-ICC 2019 Workshop on User Experience Design for Mobile Cartography: Setting the Agenda, in Beijing, China.

2016 - Visually-supported Computational Movement Analysis, Workshop at AGILE 2016 in Helsinki, Finland.

2015 - Pre-ICC 2015 Workshop on Envisioning the Future of Cartographic Research in Curitiba, Brazil.



Graser, A., Schmidt, J., Roth, F., & Brändle, N. (2019). Untangling origin-destination flows in geographic information systems. Information Visualization, 18(1), 153–172. https://doi.org/10.1177/1473871617738122