



The commission had four terms of reference from 2015-2019:

- 1) Promote the awareness of cognitive issues in cartography, developing human-centered cartographic theory and practice based on sound empirical findings on the use of cartographic displays for spatiotemporal inference and decision-making;
- 2) In conjunction with the Commissions on Visual Analytics, Use Users and Usability, and Map Design develop and publish a research agenda for that outlines major research challenges for interactive cartography that we should work towards addressing as a community.
- 3) Define short- and medium-term research goals that fall within the scope of this research agenda;
- 4) Encourage interdisciplinary and international collaboration with cognate disciplines and relevant stakeholders, including other ICA commissions and working groups.

Since 2015, we have held regular meetings and activities in **Montpellier, France (2015)**, **San Francisco (2016)**, **Washington D.C. (2017)**, **Olomouc, Czechia (2018)**, **Beijing (2019)**, and **Tokyo (2019)**.

Our approach has been to organize a mix of different types of events, including interactive specialist workshops on particular topics, special sessions of papers at larger meetings, and training workshops that help build capacity within the cartographic research community to do high-quality empirical user studies.

These activities have led to a range of outputs, including open access special issues of scientific journals, open access conference proceedings, and open access publication of tutorial materials developed for postgraduate degree students, which are made available on the Commission's website.

Publications produced in the current term:

Christophe, S. and Çöltekin, A. (eds). (2015). Papers from GeoVIS '15 at ISPRS Geospatial Week *ISPRS Annals and ISPRS Archives*. [open access]
<https://bit.ly/2x0K8nZ>

Griffin, A.L., Robinson, A.C., and Roth, R.E. (2017). Envisioning the Future of Interactive Cartography. *The International Journal of Cartography*, 3(Supplement 1), doi:10.1080/23729333.2017.1316466.
<https://bit.ly/31FY8Sh>

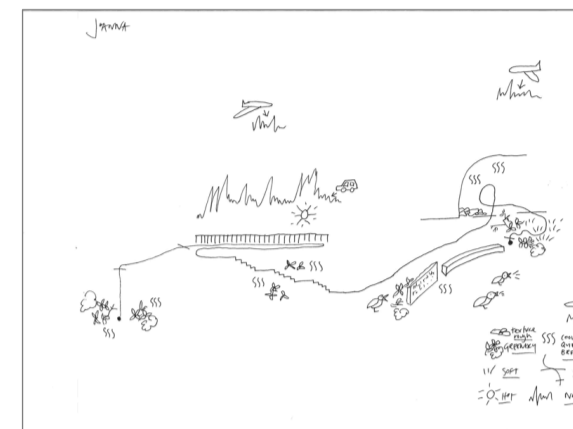
Robinson, A.C., Demšar, U., Moore, A.B., Buckley, A., Jiang, B., Field, K., Kraak, M.-J., Camboim, S.P., Sluter C.R. (2017). Geospatial big data and cartography: research challenges and opportunities for making maps that matter. *The International Journal of Cartography*, 3(Supplement 1), doi:10.1080/23729333.2016.1278151. [open access]
<https://bit.ly/2Y1fOVV>

Griffin, A.L., White, T., Fish, C., Tomio, B., Huang, H., Sluter, C.R., Bravo, J.V.M., Fabrikant, S.I., Bleisch, S., Yamada, M., Picanço, P. (2017). Designing across map use contexts: a research agenda. *The International Journal of Cartography*, 3(Supplement 1), doi:10.1080/23729333.2017.1315988. [open access]
<https://bit.ly/2XqoCrs>

Roth, R.E., Çöltekin, A., Delazari, L., Filho, H.F., Griffin, A.L., Hall, A., Korpi, J., Lokka, I., Mendonça, A., Ooms, K., van Elzakker, C.P.J.M. (2017). User studies in cartography: opportunities for empirical research on interactive maps and visualizations. *The International Journal of Cartography*, 3(Supplement 1), doi:10.1080/23729333.2017.1288534. [open access]
<https://bit.ly/2ZDjkGB>

Griffin, A.L. and S. Caquard. (eds). (2018). Special Issue on Maps and Emotions. *Cartographic Perspectives*, 91, [open access].
<https://bit.ly/2locter>

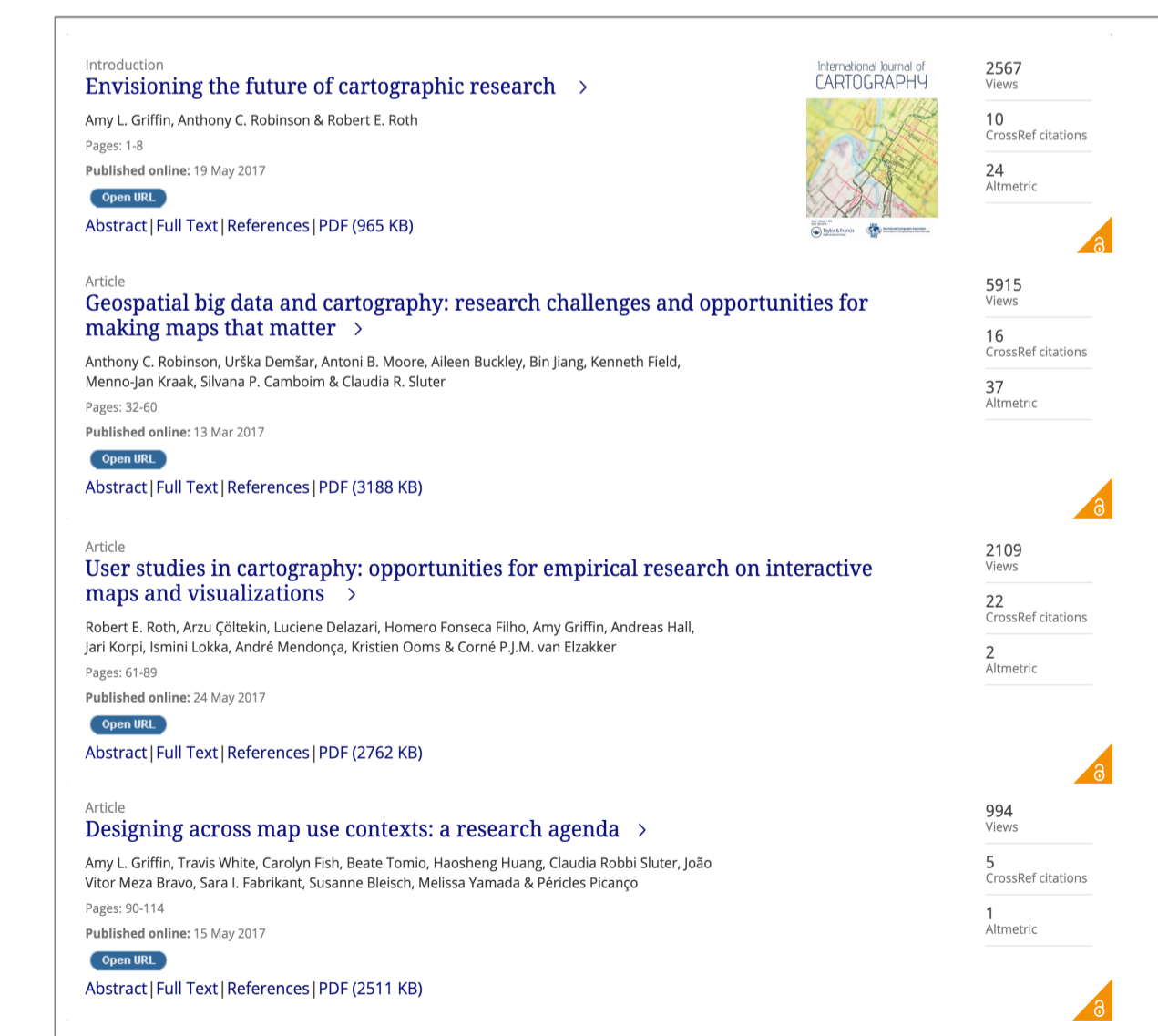
Kubiček, P., and A.L. Griffin. (forthcoming). Special issue of *Geografie Journal* based on papers presented at the ICA Commissions' joint workshop "Atlases, Cognition, Usability" held in Olomouc (CZ) at Palacký University, April 2018. [open access]



Maps and Emotions workshop activities and maps, 2017, Washington, DC.
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Reproducibility in Cartography Commission meeting, 2018, Olomouc, Czechia.
Photo: Viktor Cap, © 2018



Papers from the research agenda special issue.