Preface

In the last couple of decades, we have witnessed an unprecedented amount of geospatial data availability, and large collections of imagery are now available publicly. These images provide rich and detailed geographic information, and allow for new design paradigms in which we can mix images with other forms of geographic data, creating hybrid visualizations. Rendering these image collections in efficient ways, and creating hybrid visualizations (e.g., multiple-linked views, raster/vector overlays, mixed realism displays as in virtual or augmented reality) is a both a technical and a design challenge in in Geovisualization research. Understanding the cognitive aspects of dealing with such rich and complex information is perhaps an even bigger challenge; as we do not fully understand human information processing, and its implications in using complex visual displays. The GeoVIS'15 workshop "Rendering and Cognition with Images and Hybrid Visualizations" focused on these challenges. Therefore, at the workshop, participants presented and discussed user studies tackling perceptual and cognitive issues as well as studies that focused on implementation and design issues. The workshop was held in La Grande Motte, Montpellier, France, and has been driven by the ICA *Commission on Cognitive Visualization* and the *ISPRS Commission on Geovisualization and Virtual Reality.*

The workshop attendees were university researchers as well as practitioners from research institutions and private companies. Authors were invited to submit full papers or abstracts. We received 11 papers for review (2 full papers and 9 abstracts) from international participants. The abstracts and papers have undergone a rigorous double blind review process. Full papers were reviewed by at least three program committee members. Full papers were published in the ISPRS' *Annals* and extended abstracts were published in the *Archives*.

We believe the outcome will interest geovisualization researchers and practitioners, as well as the wider geographic information science and technology community. We are grateful for the contribution of all our authors and the local organizing committee for their efforts.

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