

Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XL-4/W7, 31-34, 2015  
<https://doi.org/10.5194/isprsarchives-XL-4-W7-31-2015>  
© Author(s) 2015. This work is distributed under  
the Creative Commons Attribution 3.0 License.

[Volume XL-4/W7](#)

30 Jun 2015

## DEVELOPING A MAP USE MODEL FOR WEB MAPPING AND GIS

**B. Veenendaal**

Department of Spatial Sciences, Curtin University, GPO Box U1987, Perth, Australia

**Keywords:** Web mapping, Web GIS, Map use model, Geoweb, Intelligence, Web mapping and services

**Abstract.** Web mapping and GIS technology and applications are developing rapidly in response to growing user and application demands. Technologies over the past decade, including digital globes, positioning-enabled mobile devices and cloud-based geoweb services, have been instrumental in fostering this growth. However, not only technology, but the dissemination and access to geoweb information and services by users and applications have been and are continuing to be important drivers of growth and expansion. The access and use of geospatial information and services is widespread and worldwide, and its use is driving the need to further develop and expand geospatial web information and services.

This paper considers a model for web mapping use that is based on the original map use cube by MacEachren & Kraak (1997). The model incorporates technology, usability and knowledge that must be considered for the development and future of geospatial web mapping and services. Such a model assists in the design and development of intelligent web mapping and GIS, and informs the research directions being taken in this fast evolving discipline.

[Conference paper](#) (PDF, 1804 KB)

**Citation:** Veenendaal, B.: DEVELOPING A MAP USE MODEL FOR WEB MAPPING AND GIS, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XL-4/W7, 31-34, <https://doi.org/10.5194/isprsarchives-XL-4-W7-31-2015>, 2015.

[BibTeX](#) [EndNote](#) [Reference Manager](#) [XML](#)