

Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XL-1/W4, 275-279, 2015
<https://doi.org/10.5194/isprsarchives-XL-1-W4-275-2015>
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[Volume XL-1/W4](#)

26 Aug 2015

COMMON APPROACH TO GEOPROCESSING OF UAV DATA ACROSS APPLICATION DOMAINS

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Keywords: Geoprocessing, Open Standards, OGC, UAV, UAS

Abstract. UAVs are a disruptive technology bringing new geographic data and information to many application domains. UASs are similar to other geographic imagery systems so existing frameworks are applicable. But the diversity of UAVs as platforms along with the diversity of available sensors are presenting challenges in the processing and creation of geospatial products. Efficient processing and dissemination of the data is achieved using software and systems that implement open standards. The challenges identified point to the need for use of existing standards and extending standards. Results from the use of the OGC Sensor Web Enablement set of standards are presented. Next steps in the progress of UAVs and UASs may follow the path of open data, open source and open standards.

[Conference paper](#) (PDF, 3785 KB)

Citation: Percivall, G. S., Reichardt, M., and Taylor, T.: COMMON APPROACH TO GEOPROCESSING OF UAV DATA ACROSS APPLICATION DOMAINS, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XL-1/W4, 275-279, <https://doi.org/10.5194/isprsarchives-XL-1-W4-275-2015>, 2015.

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