

Open Property Maps

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Abstract: OpenPropertyMap could be an interactive geovisualization interface which makes possible for nearly anyone with an Internet connection to disseminate their own property maps. This infrastructure is emerging because society is increasingly spatially enabled. Establishing a partnership between land professionals and ordinary citizens would encourage and support citizens to involve in capturing and maintaining information about their land rights directly.

Introduction

Crowd sourced or volunteered geographical information is geospatial information that is generated by ordinary citizen. A citizen can produce and share new form of digital spatial data. VGI and the technology behind it differ in many ways from conventional forms of digital spatial data.

In the context of land administration, only 1/6 of land parcel have registered formally. This, in particular, is evident in developing countries. Therefore, land administration system must be rethought and crowdsourcing can be a solution to filling tenure gap.

Discussion

On one hand, the potential benefit of crowdsourcing to provide a low cost and high-speed solution in tenure gap is essential. On the other hand, the different aspect of crowdsourcing in land administration such as technical aspect, social aspect and legal aspect should be considered. In addition, the role of crowdsourcing data for cadastral system in developed and developing countries can be different.

Conclusion

Although many studies have been undertaken in volunteer geographical information context, there are many unanswered questions particularly for land administration system.

The authority, authenticity, availability and ambiguity of crowd sourced data in Land administration are still unsolved problems.

