

Peter Laarakker, Kadaster NL Walter de Vries, ITC

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www.OpenCadastreMap.org

- 1. Introduction
- 2. Theoretical concept
- 3. Methodology
- 4. Results
- 5. Conclusion

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1. Introduction

- Can voluntary contributions of citizens offer additional opportunities to develop cadastral systems?
- Can the internet-communities stimulate such discussions?

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2. Theoretical context

- Open systems
 - Internal or external actors
 - Scalability
- Voluntary geographic information
 - Goodchild research

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2. Theoretical context

Table 1. Concerns on VGI and open systems

	Main concerns from a socio- organizational perspective	Main concerns from a technical perspective
Voluntary information	Participation versus exclusion Power and (in)equality Local versus central expertise Autonomous / independent views vs accountable views	Complementarity of datasets vs. redundancy Ad hoc / occasional vs. systematic data collection
Open systems	Scalability versus local use (socio- organizational) Unlimited access vs. controlled access Collective agency vs collective benefits Rule making vs. rule enforcement	Large vs small applications (geographic) Data quality vs data completeness Flexibility vs regulation in standards

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3. Methodology

- Literature
- · Internet discussion fora
- Question: can social media have added value to the formal statutory cadastral systems that exist world wide?
- Nov-dec 2010

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3. Methodology

Social media network	Discussion group	Number of members (on 5 April 2011)
LinkedIN	Land information systems (LinkedIn)	298
	Spatial data infrastructure and development (LinkedIn)	65
	NSDI group (LinkedIn)	842
	FIG (LinkedIn)	277
	Openstreetmap	1192
	Mortgage professionals	6235
	UNSDI	101
	Participatory Geographic Information Systems & Technologies	856
	ITC Alumni	896
Wikimapia	Wikimapia.org/forum	7500
Dggroups	Dggroups.org	Unknown

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4. Results

- Necessity
- Legality / role of the government
- Legitimacy control
- Economic effects
- · Quality control
- Technology

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Necessity

- Deininger 2010: why is it going so slow?
- Citizen centric paradigm
- Slum dwellers etc.
- It is already happening

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Legality

- At the end it is always the government
- But where starts the end?
- Conflict resolution.

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Economic effects

· Will banks bother?

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Quality control

- · Level of openness
- Transparancy
- · Balance of power
- Legitimacy control

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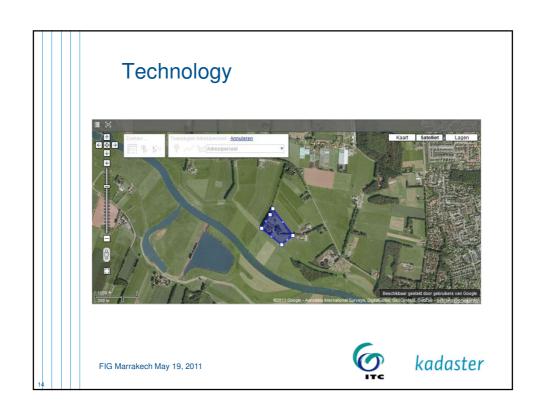


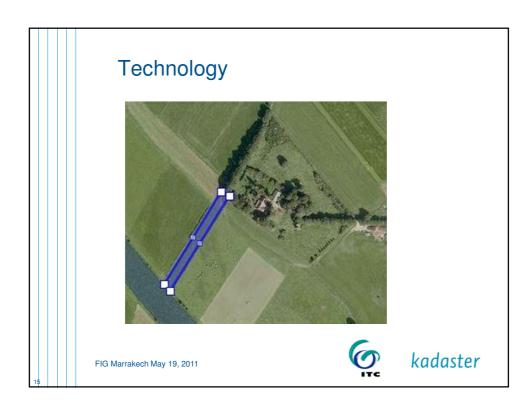
Technology

- Social context
- Mobile telephones in Africa
- Wikimapia/Google mapmaker

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5. Conclusions

- Many issues in VGI applicable
- · Level of self interest is main difference
- Legitimacy control needs further study
- · Internet fora have some value

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