

Construction of geo-commons by communities of practice: the case of orienteering maps generation from open LIDAR data

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Digital twins as commons?

More general framework of “*géo-communs*”, launched by IGN since January 2021

<https://www.ign.fr/institut/la-demarche-geocommuns>.



- all IGN data is now open data
- mutualisation, collaboration around tools, methods, databases
- public consultation in May 2021 (165 stakeholders from various backgrounds)

Definition: “*Geographic Information databases co-produced or co-maintained, and co-developped tools and methods, following an open common governance, to guarantee a full appropriation by communities of users/producers/stakeholders/citizens*”

Open questions for geocommons

- 1 Governance of geocommons: mediator \neq technical coordinator
- 2 Economic model: public service (open public good)
- 3 Core data: static digital twin at the national scale?
- 4 Data production: e.g. link with OSM
- 5 Licence: open licence but not ODbL?
- 6 Methods and tools: ecosystem of open source softwares
- 7 Open science as a part of geocommons
- 8 Crucial role for environmental data
- 9 Link with European directives for open data; European geocommons?

Research question

Orienteering maps

Map generation from LIDAR data

The Mapant initiative

Comparative analysis

Conclusion

