Nationwide and improved road network generalization

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User Committee Meeting
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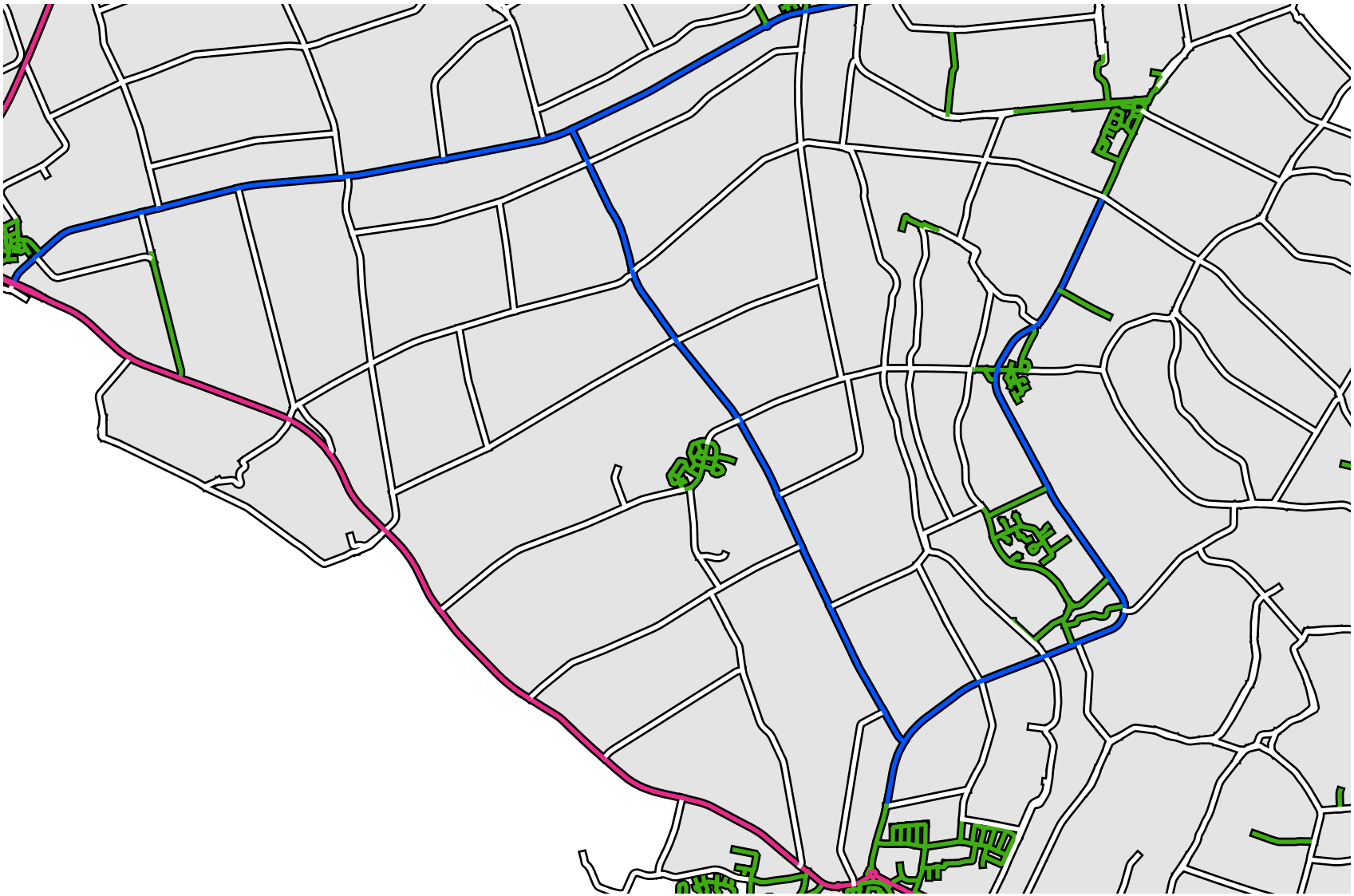
Reminder from last time



Road network generalization in vario-scale

Automatic process all roads from detailed to less detailed scale in vario-scale manner

- Use the same structure for different purpose
- Gradual as much as possible
- Preserve connectivity

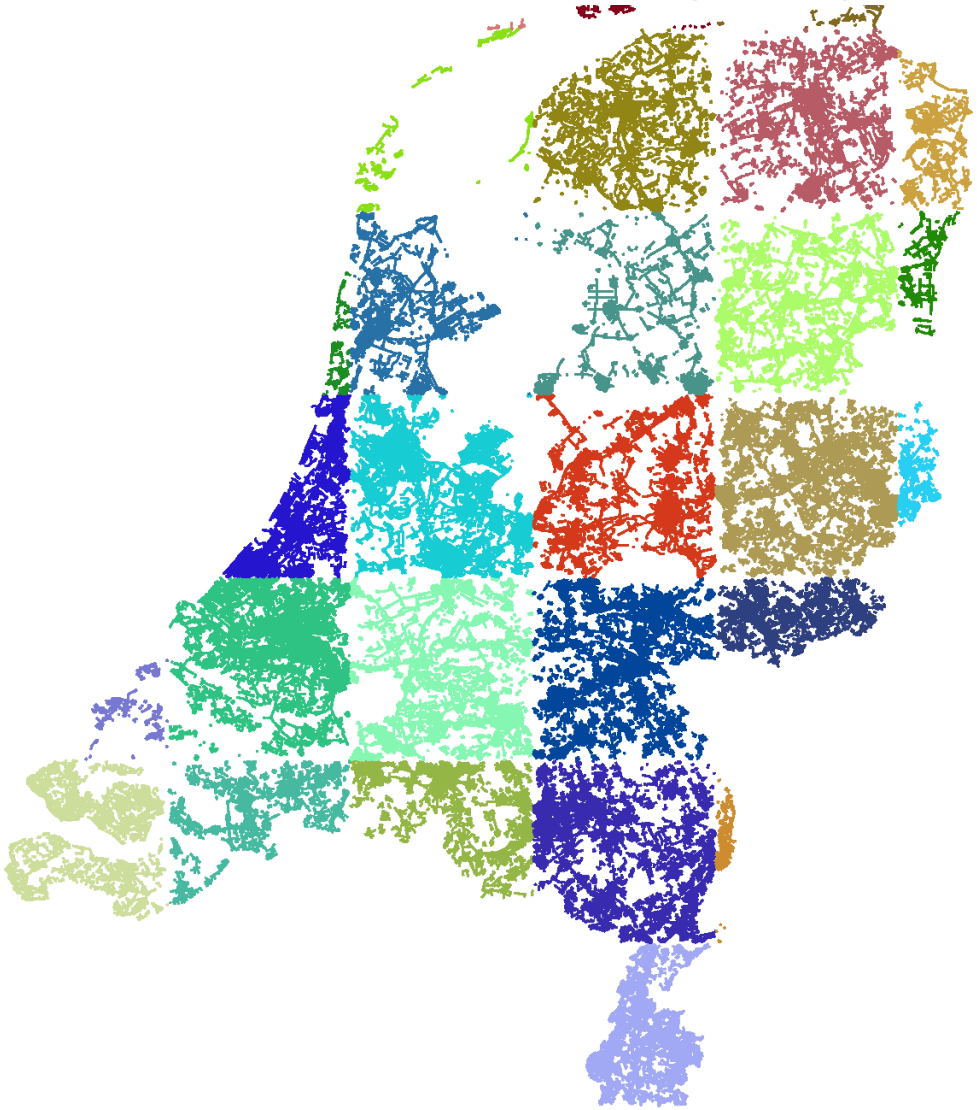
Our ultimate goal:

We have focused on lines so far.

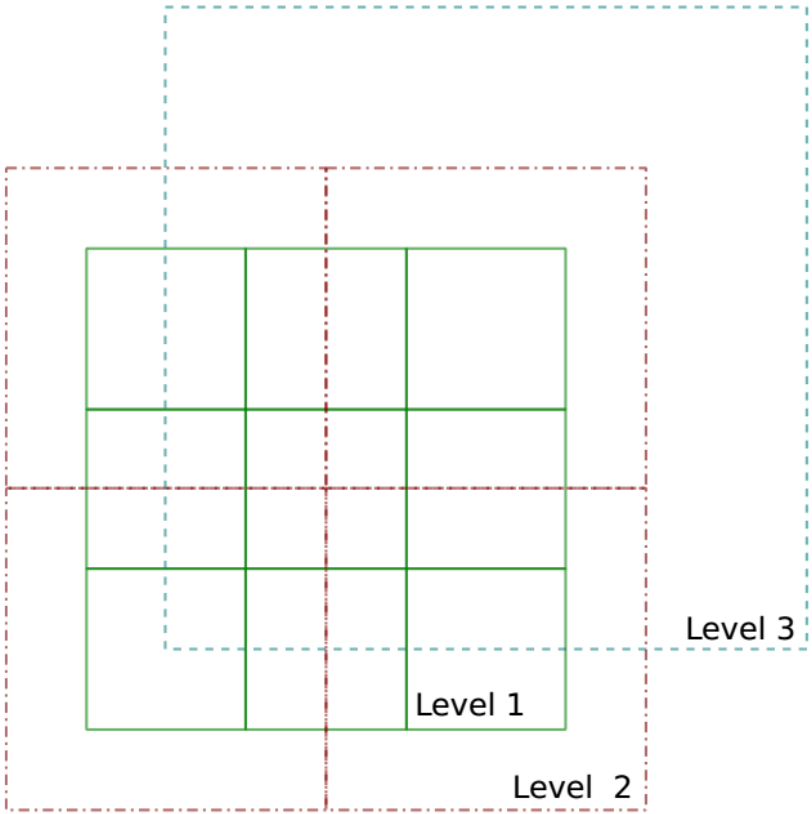
Done so far

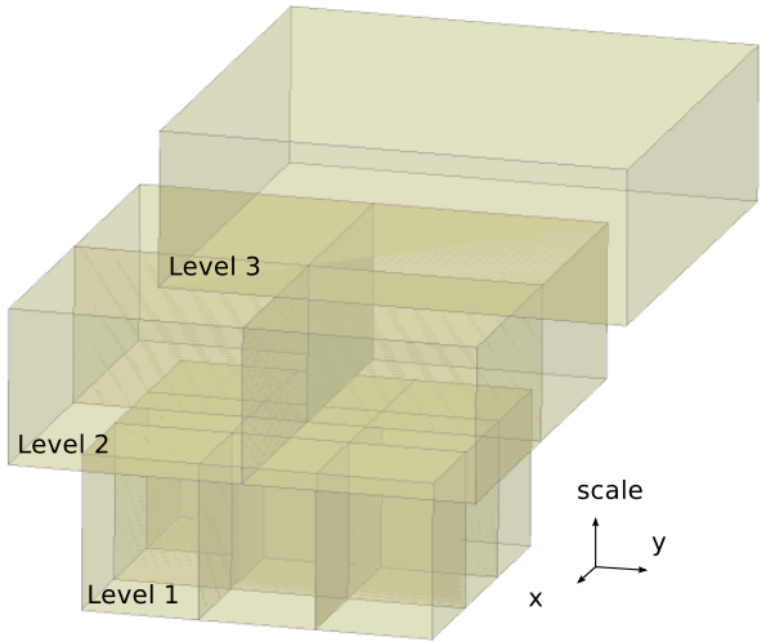
- process roads based on connectivity analysis and classification
- eliminate small details (dead-ends), not create new ones
- large dataset

Approximately 1 mil. line features (NWB)

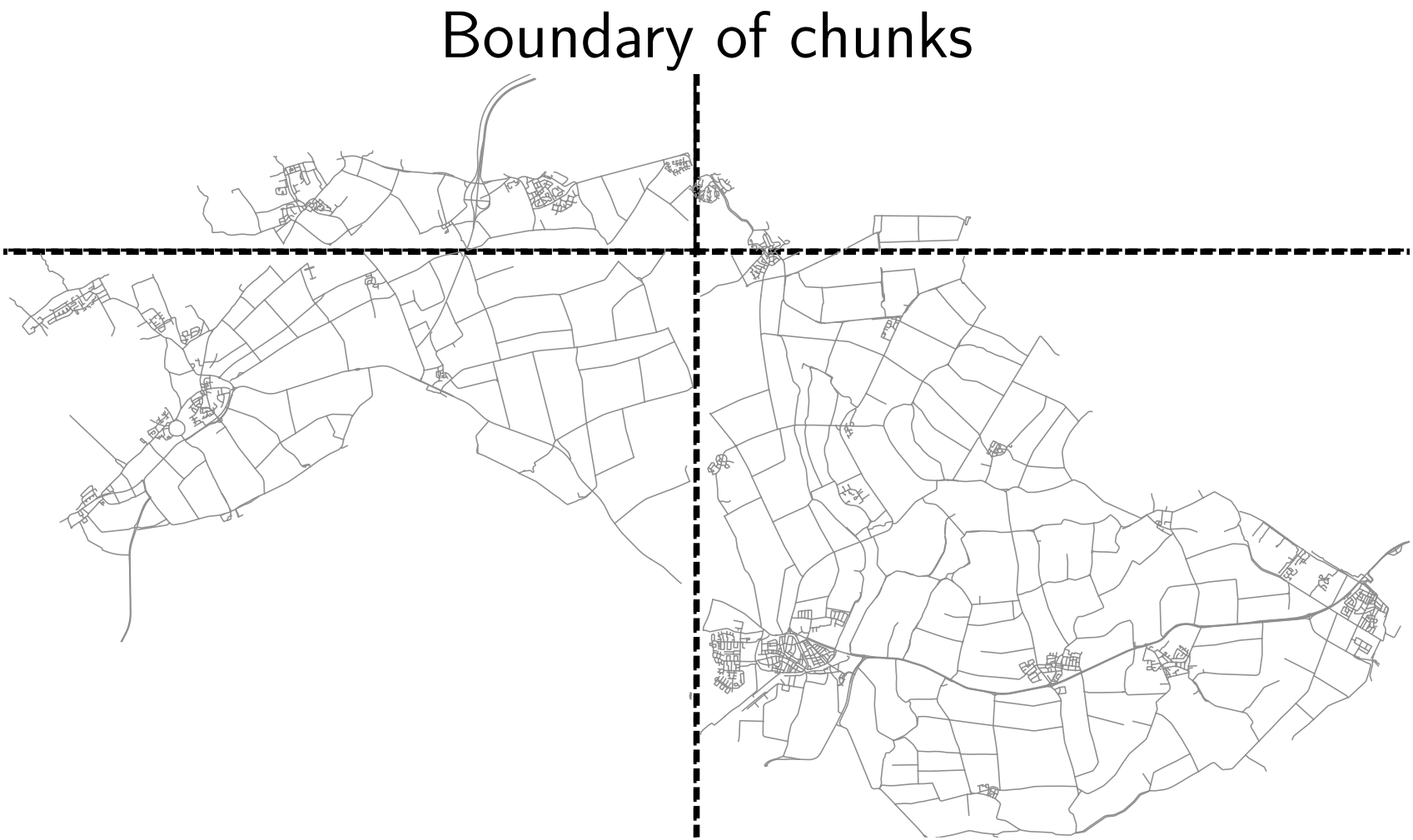


Large dataset
Principle of fieldtree





Objects on the boundary

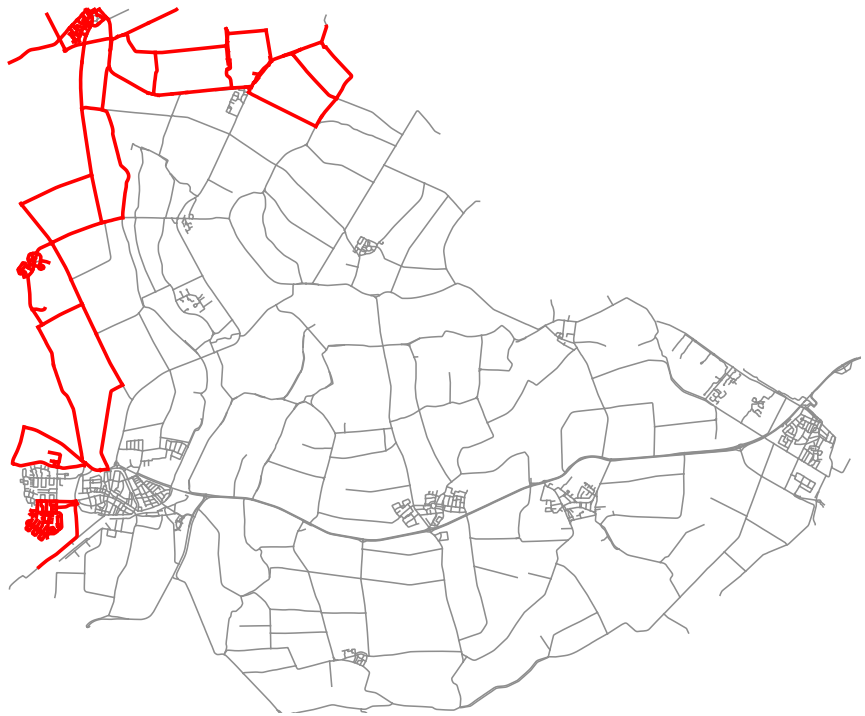


Objects on the boundary

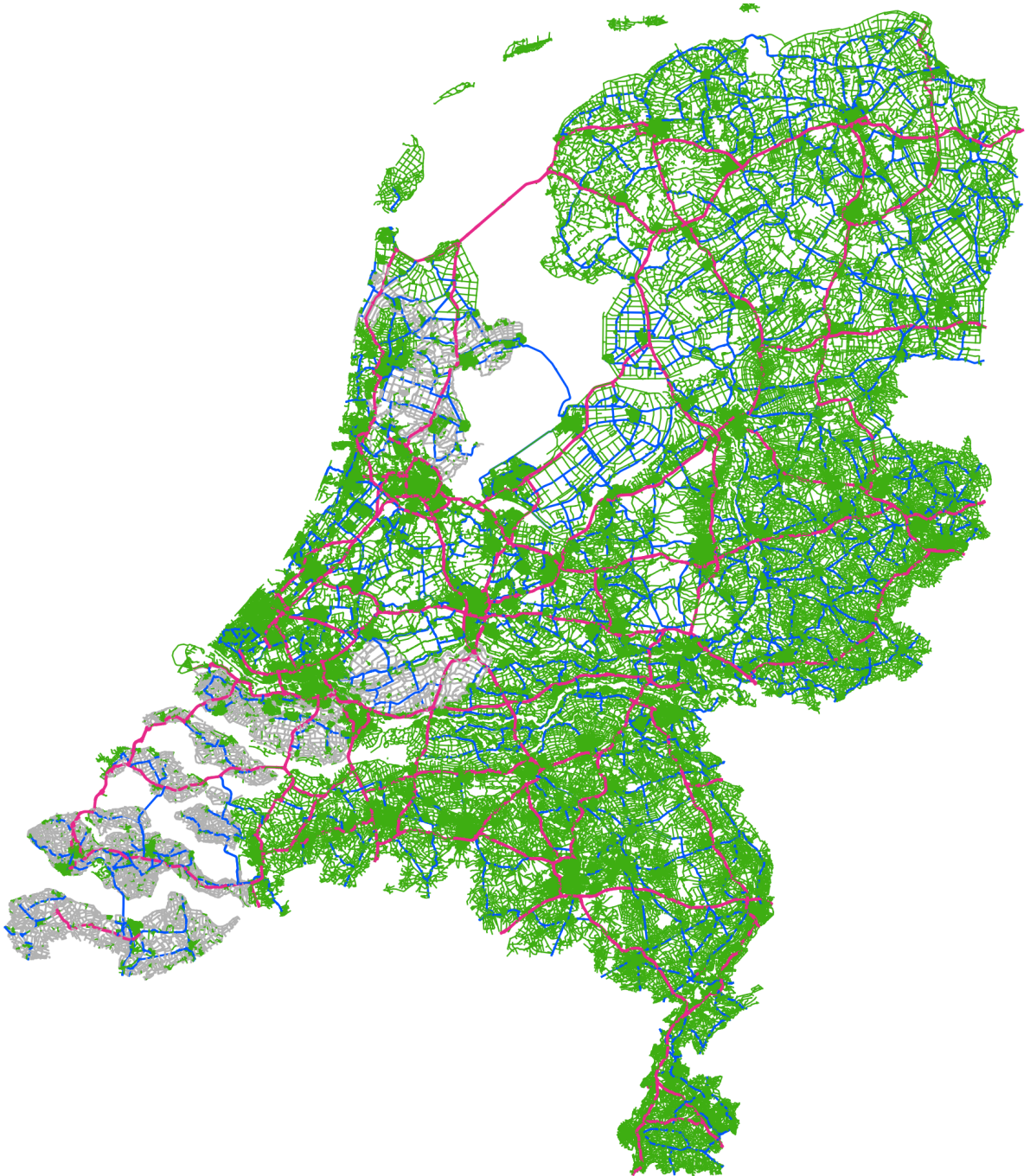
One chunk - missing information

Objects on the boundary

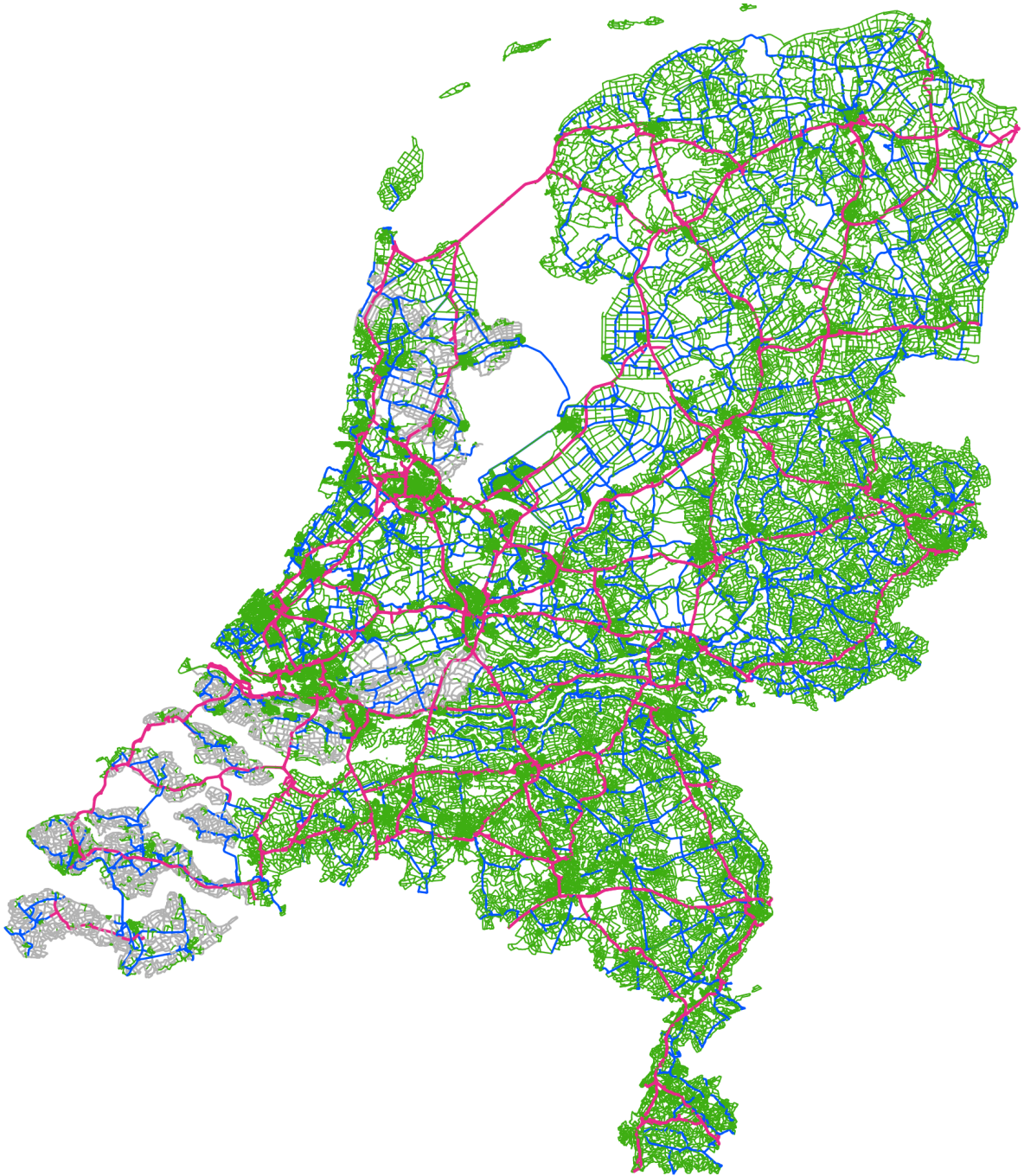
Read-only buffer gives connectivity information



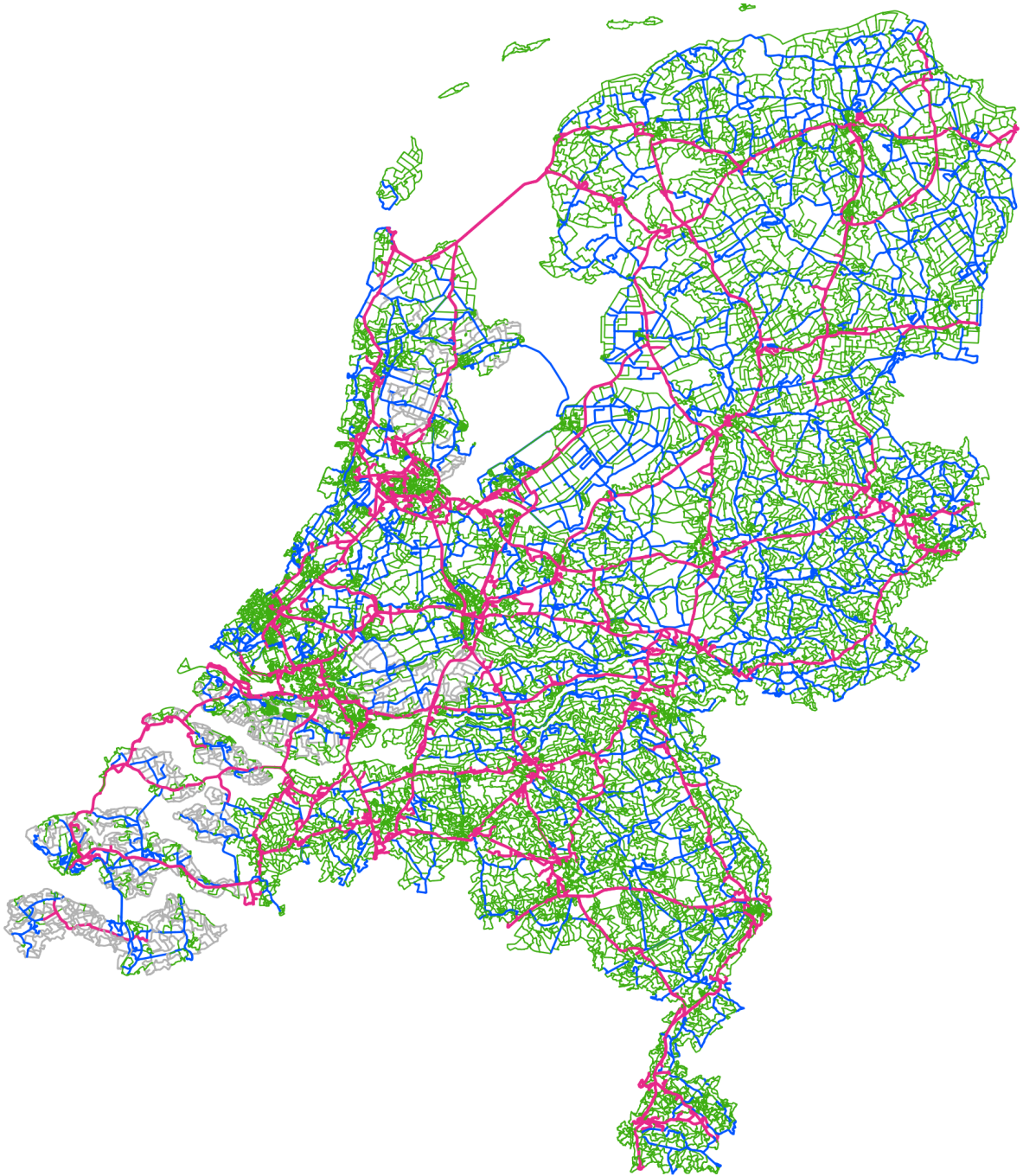
Result



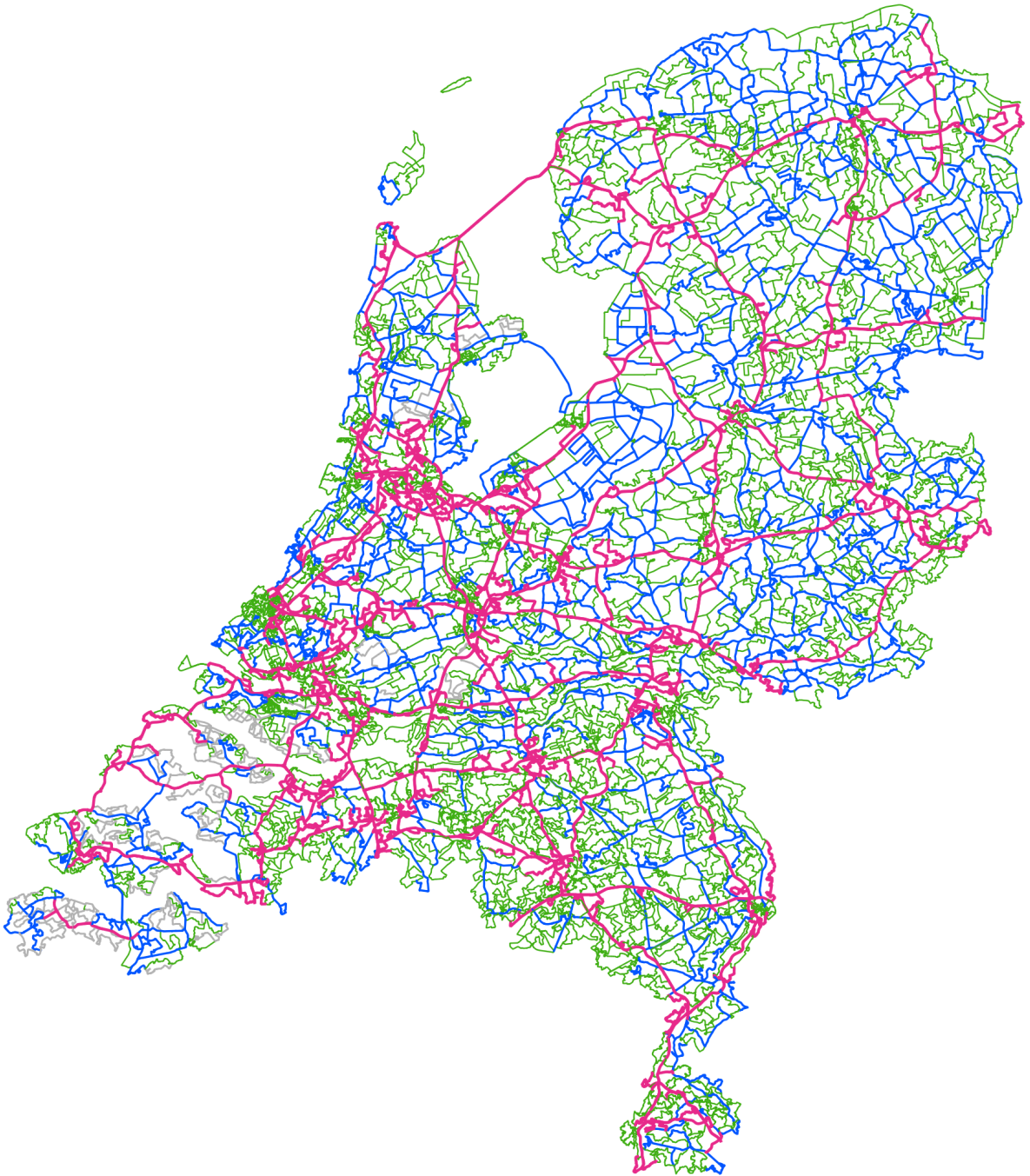
Result



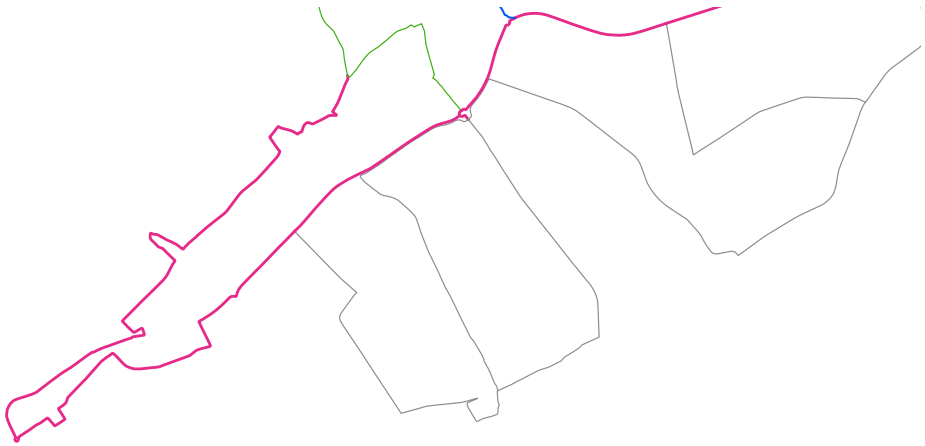
Result

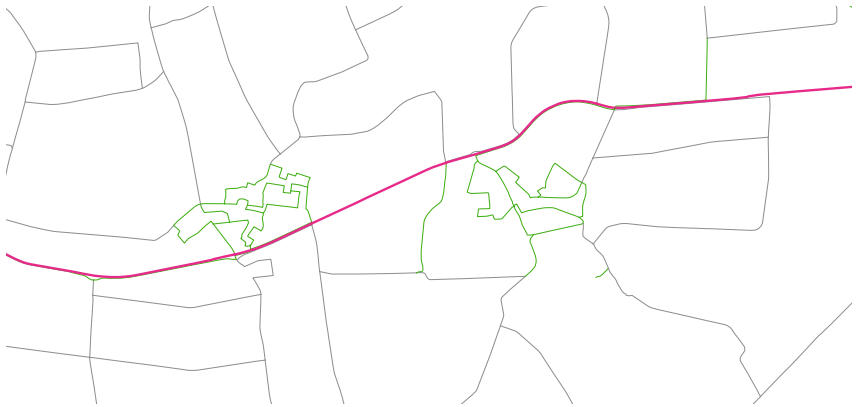


Result



Quality





Future work

Include the roads represented by areas.

Process road network and other feature class simultaneously.

Thanks for your attention

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