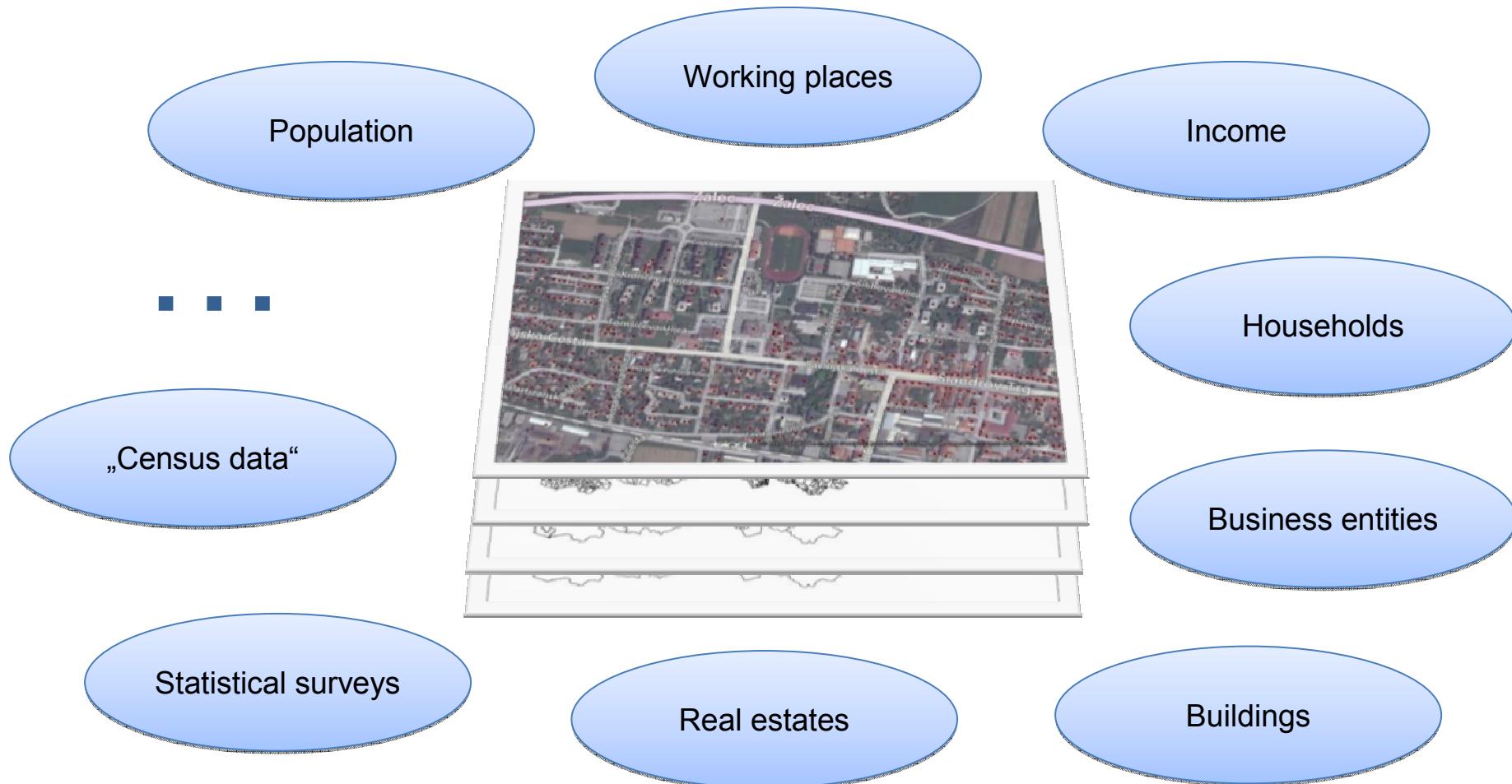


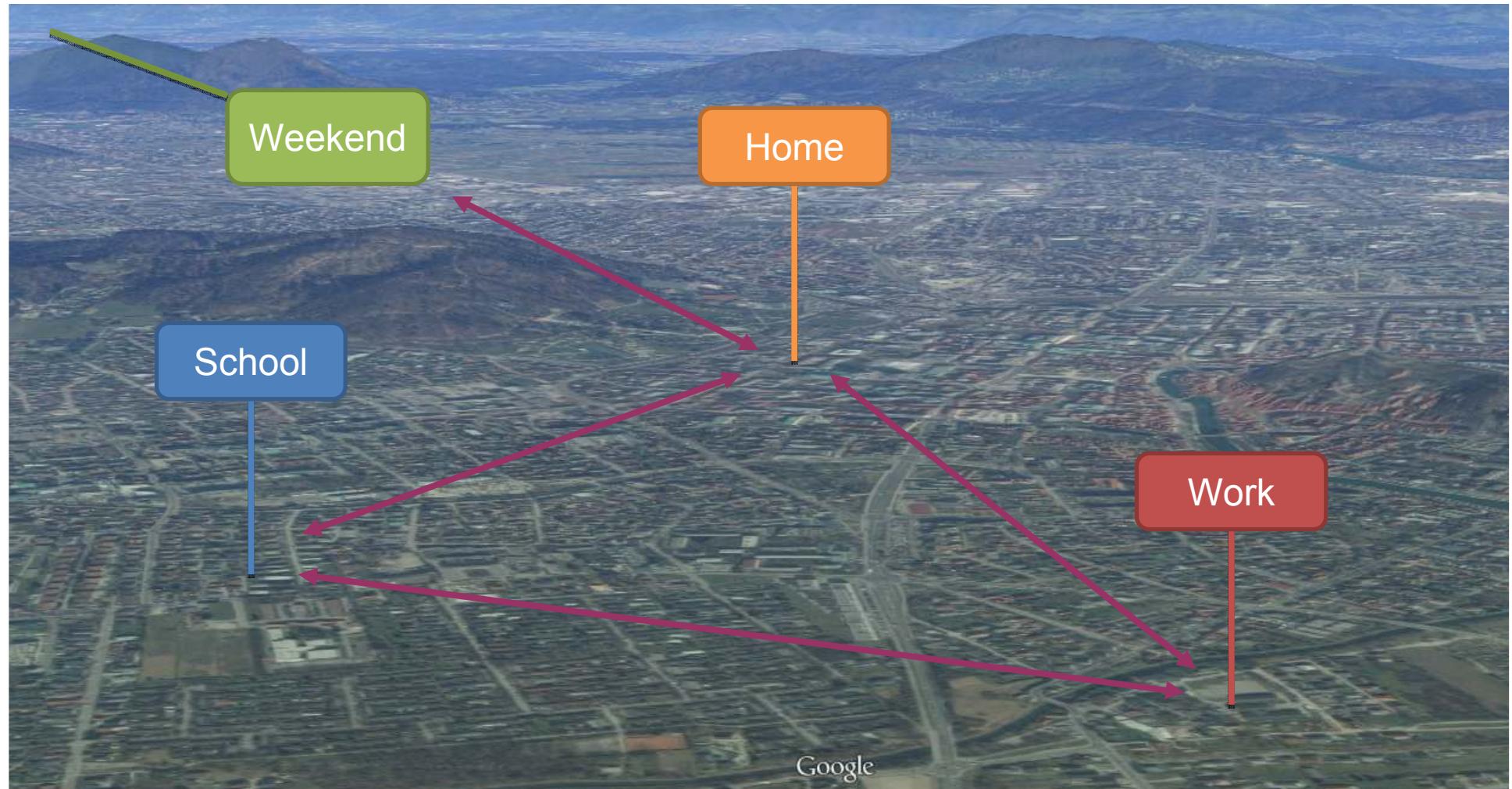


# Mobile positioning and Statistical derivatives

The way forward?

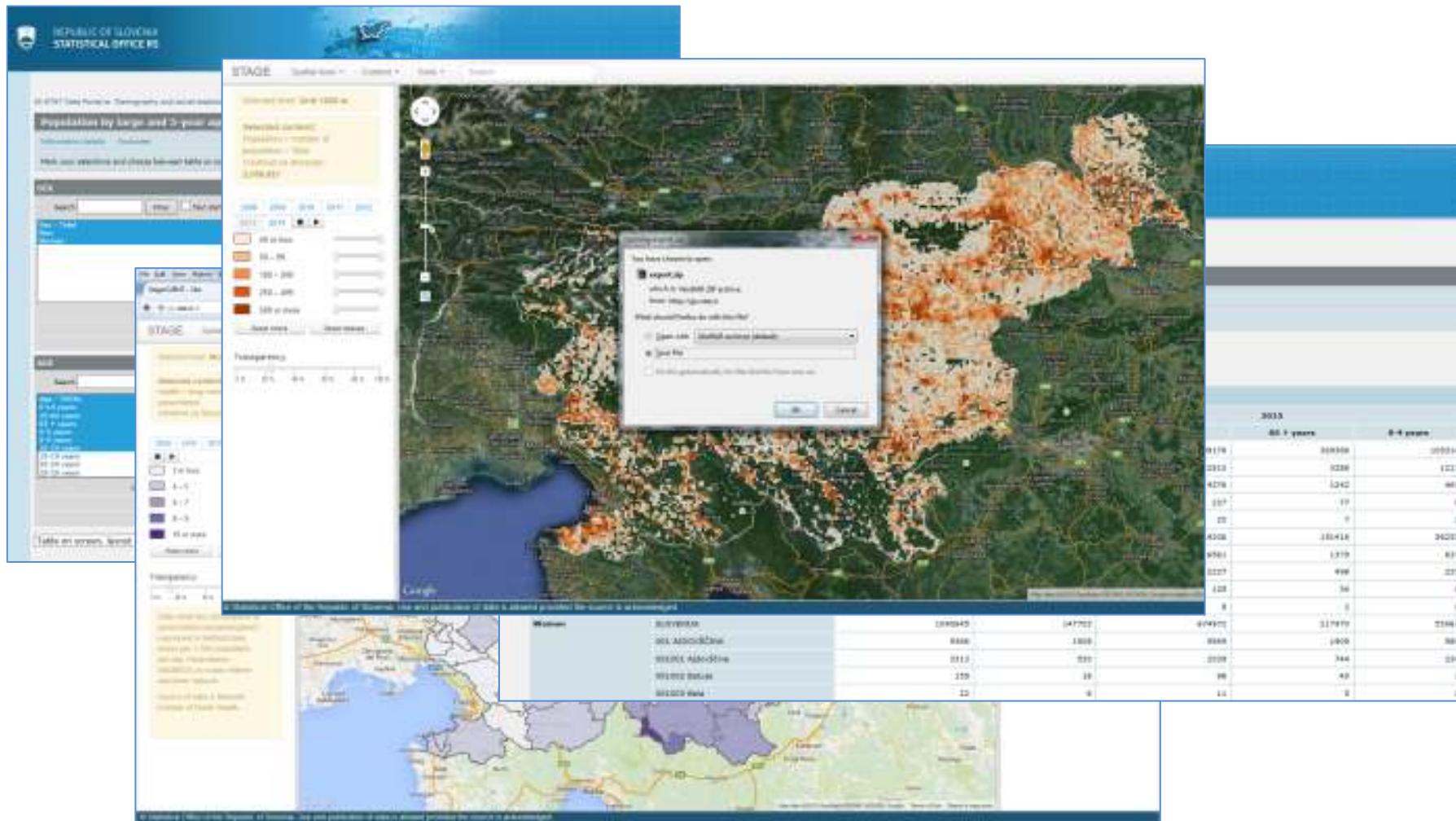
Igor Kuzma







## ➤ Statistical dissemination







## ➤ Mobile operators

- 4 mobile network operators (1 national)
- 3 service providers
- 3 re-sellers
- first 4 are primary data providers
- all network operators and service providers could be/are important!



## ➤ Outcome

- Data from 1 mobile network operator
- XY co-ordinate of base stations
- anonymised ID of the user
- exact date/time
- 6 months period (May – October 2014)

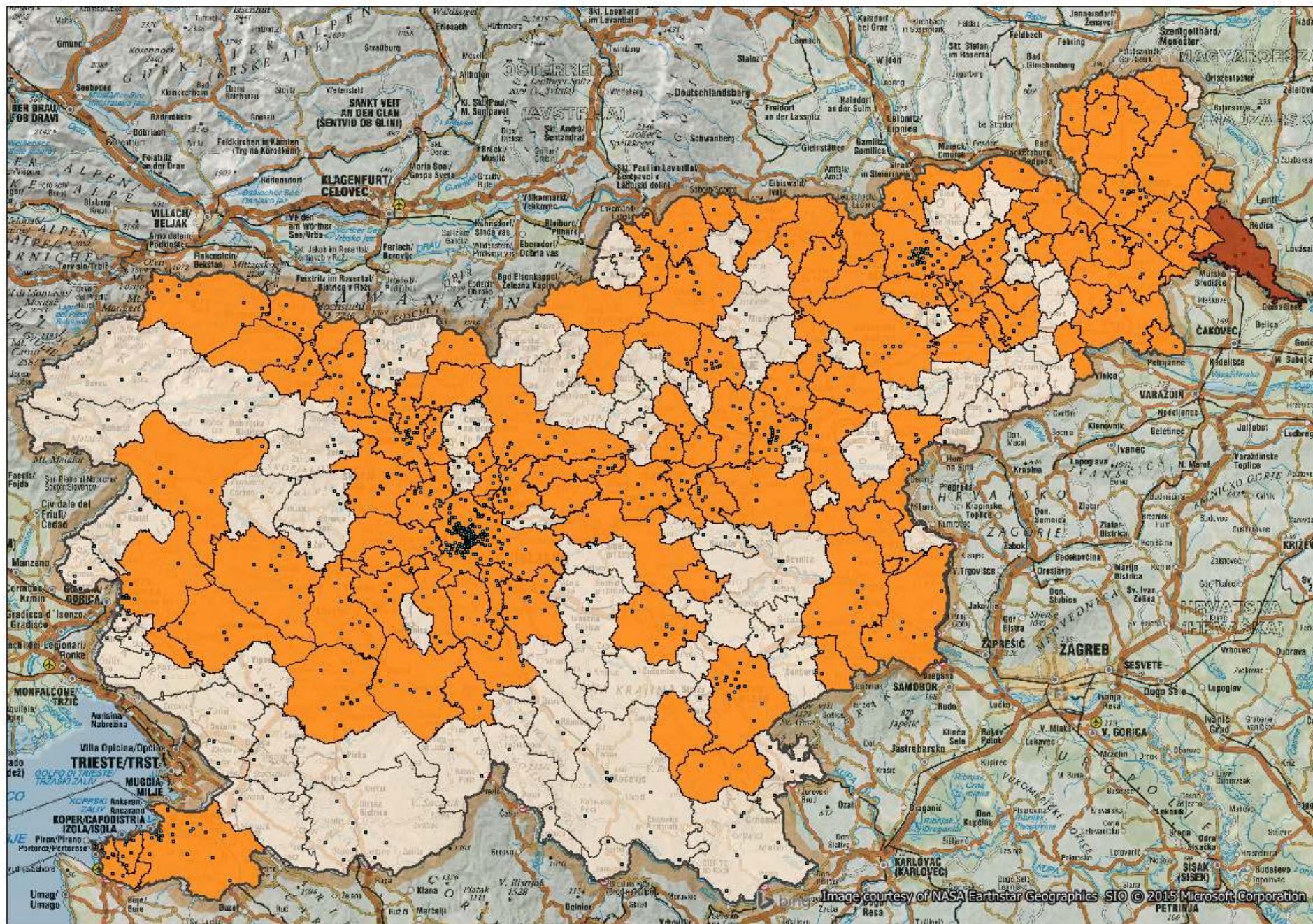
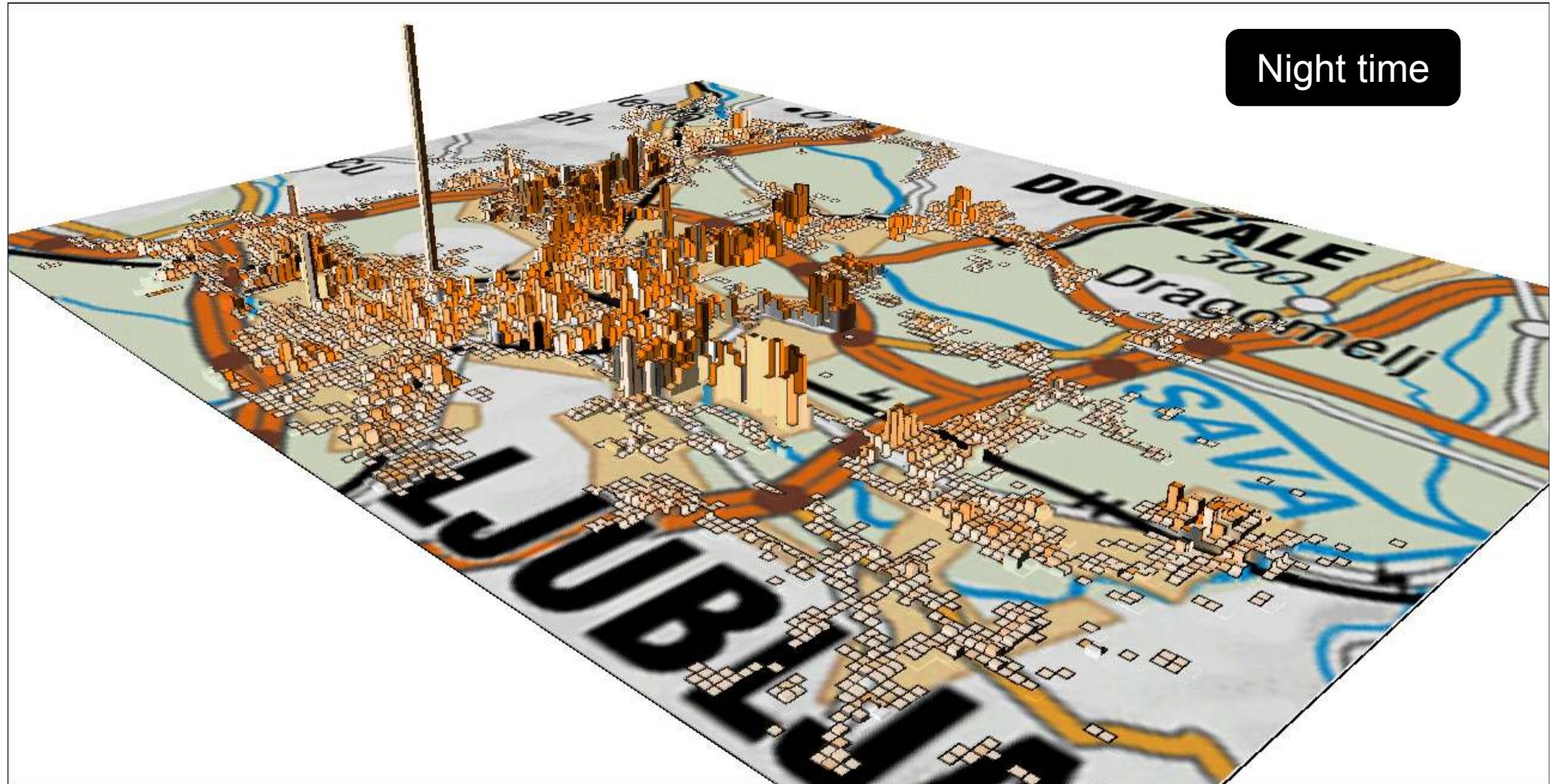


Image courtesy of NASA Earthstar Geographics SIO © 2015 Microsoft Corporation

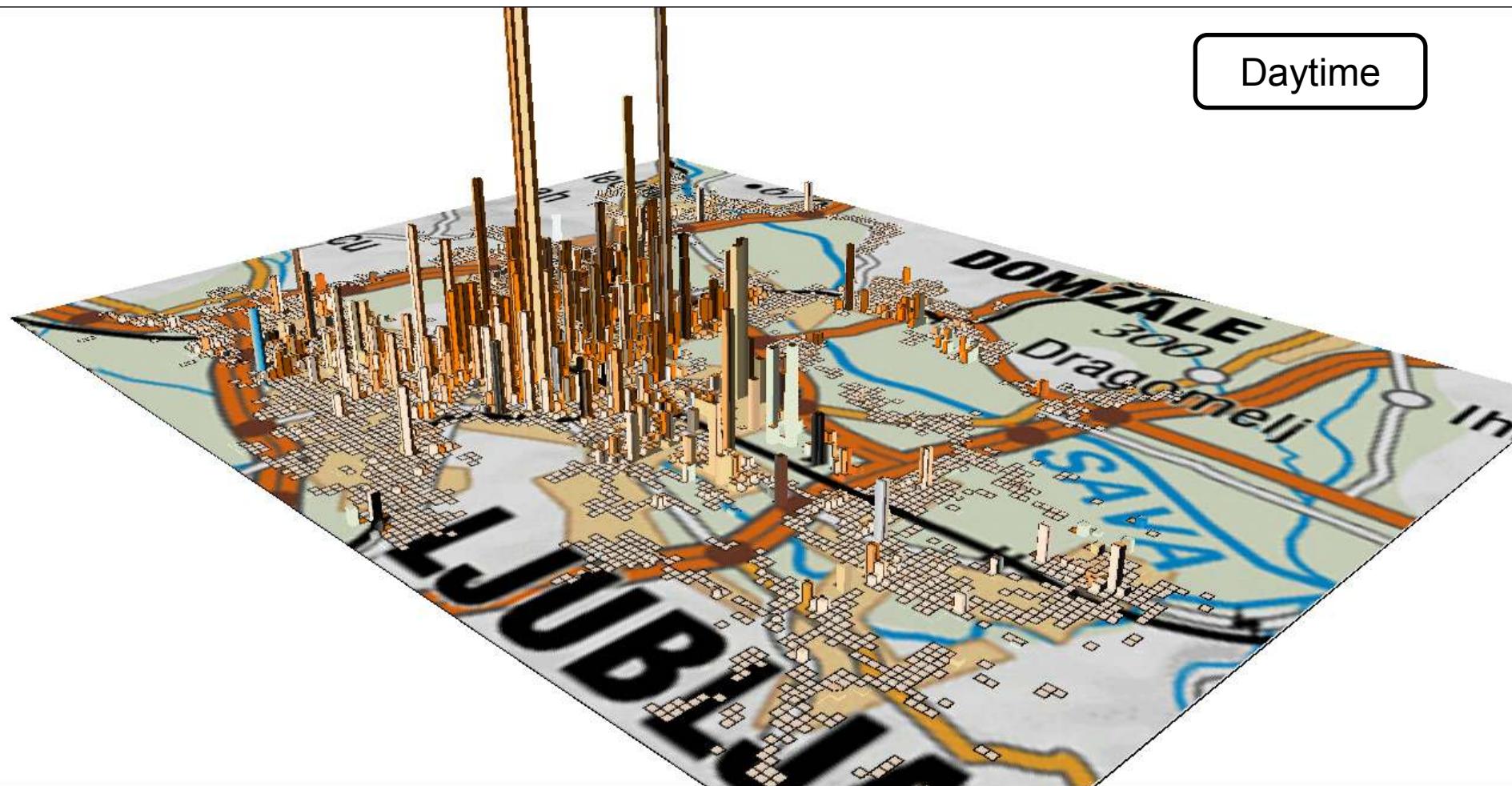


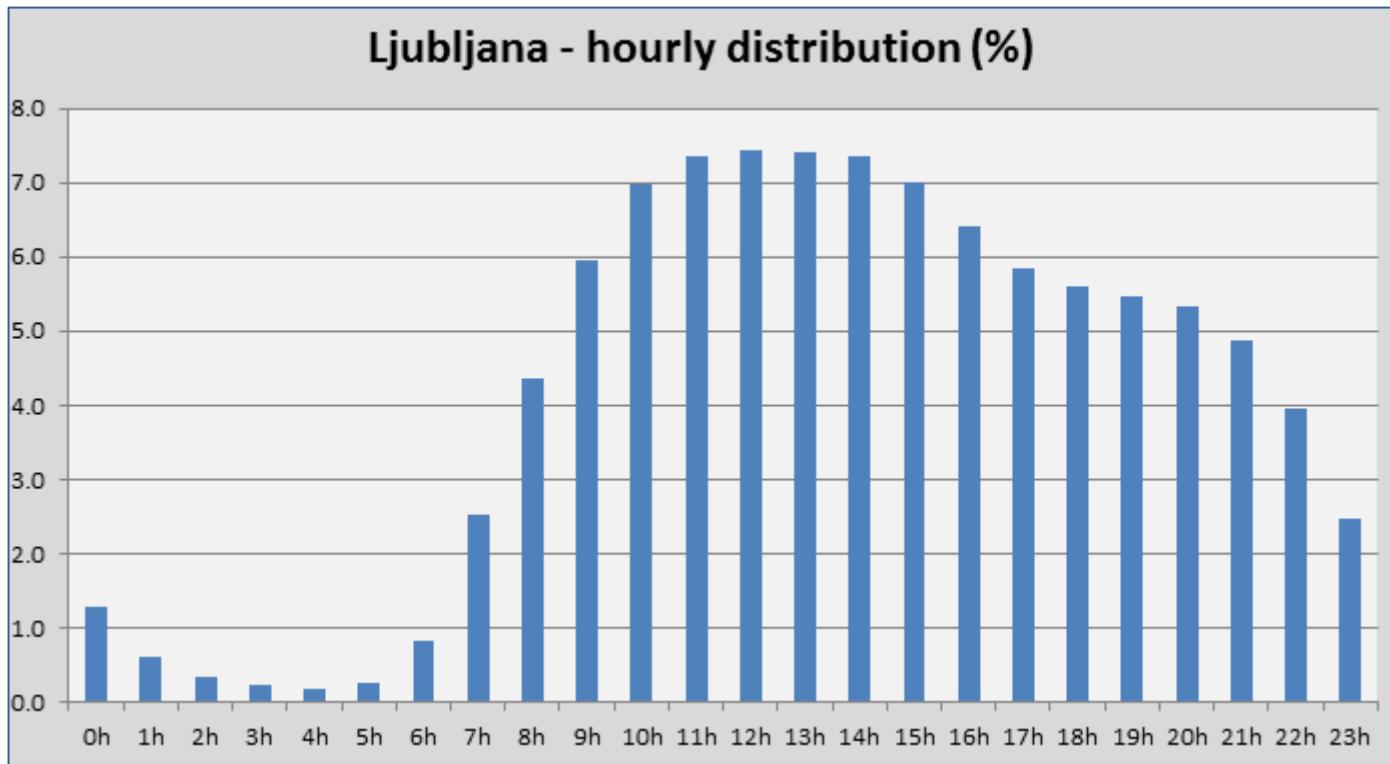
Night time





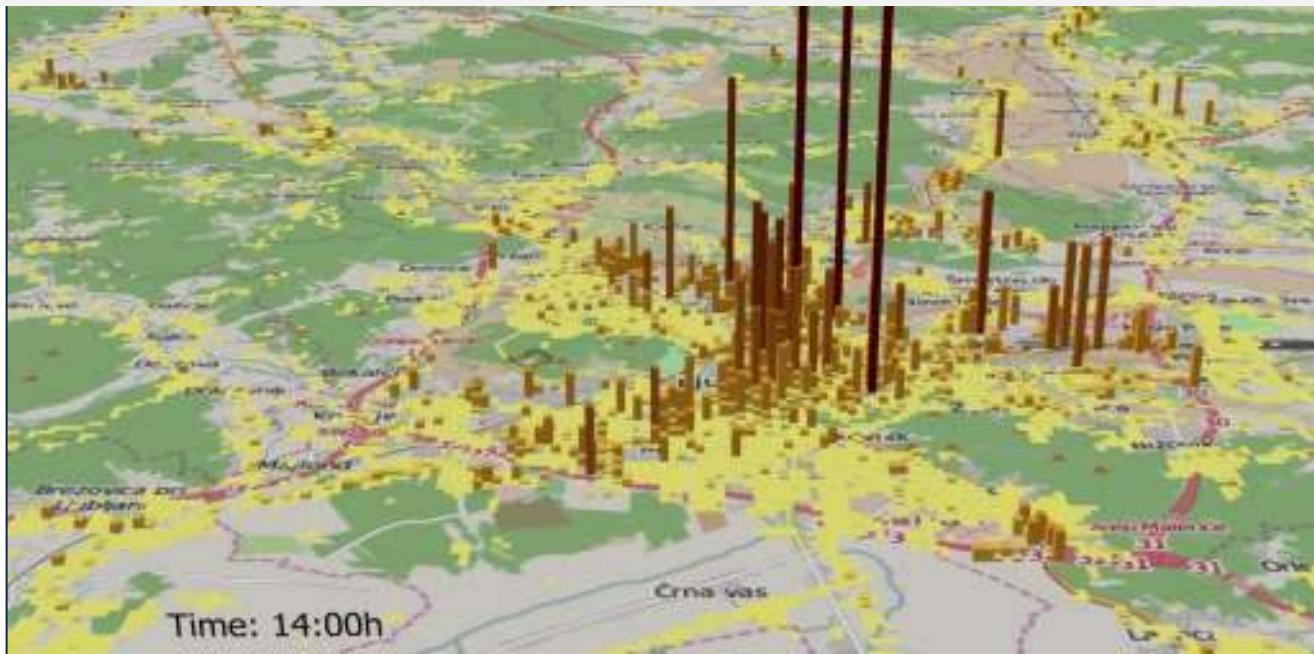
Daytime







To sliko uredi kot hyperlink na svojem PC oz še potem pri prezentaciji. Prej Preveri, da so instalirani driverji za MP4 pri organizatorjih, včasih ne dela, V windows playerju, dela pa načeloma v VCL. Film je tudi v priponki.





**Domains where mobile big data is used**

- Population statistics
- Commuting
- Transportation planning
- Urban planning
- De facto population
- Tourism statistics
- Epidemiology
- Ecological aspects of human mobility
- Economics
- Proximity of population to risks
- Spatial marketing
- Scientific research in many areas

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. @margustiru o uporabi mobilnih #BigData #StatDanBrdo





## ➤ Conclusions

- Time – space accuracy of existing data can be improved
- Possible new statistical products
- Lack of official national/international strategies on big data
- National/International (EU) regulation of legislation
- Case studies to communicate



# Thank you!

igor.kuzma@gov.si