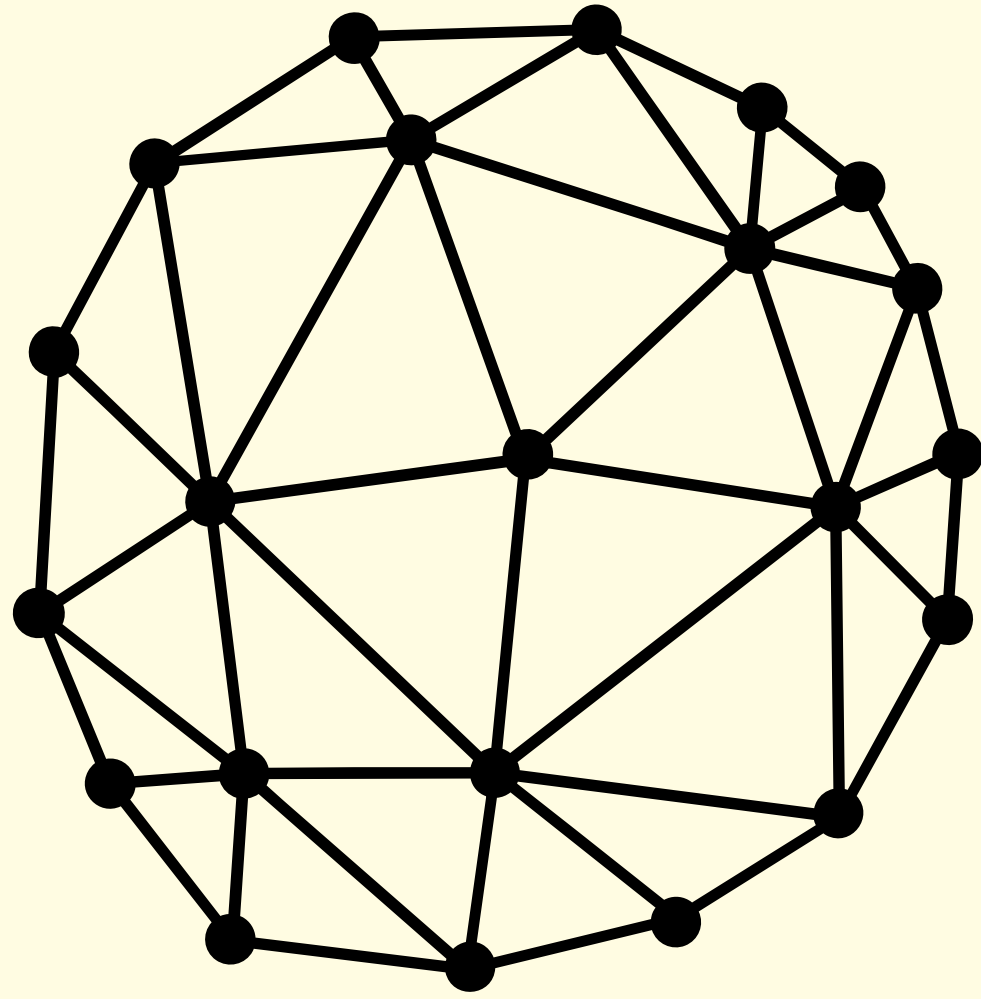


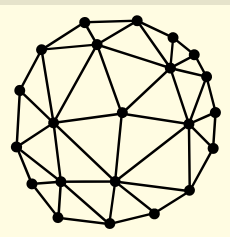
# InterSCity: A Scalable Microservice-based Open Source Platform for Smart Cities

## The InterSCity logo



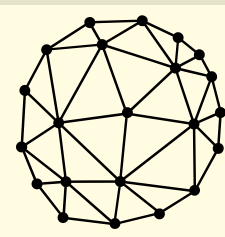
INCT  
InterSCity

### Reduced



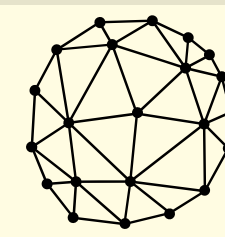
INCT  
InterSCity

### Reduced



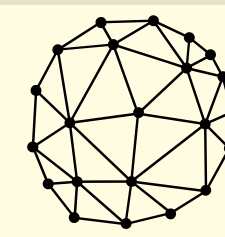
INCT  
InterSCity

### Reduced



INCT  
InterSCity

### Reduced



INCT  
InterSCity

## Context

- ▶ Large cities have problems related to mobility, pollution, health, energy, housing, among others
- ▶ Smart cities emerge as a potential solution that aims at:
  - Using city resources efficiently
  - Providing quality services for citizens
  - Tackling urban problems

## The InterSCity Platform

- ▶ An open-source, microservice-based project to enable novel smart city research, development, and deployment initiatives
- ▶ It provides a set of high-level cloud-based services that mediate the communication between the applications and the city devices:
  - Manage heterogeneous city resources
  - Integrate with IoT Systems
  - Big Data storage and processing
  - Context-aware resource discovery

## InterSCity Architecture



## Bibliography

- ▶ **FREE SOFTWARE FOUNDATION** (2007). *GNU General Public License*. URL: [www.gnu.org/copyleft/gpl.html](http://www.gnu.org/copyleft/gpl.html) (visited on 01/30/2010).
- ▶ **Philipp LEHMAN et al.** (Oct. 30, 2018). *The biblatex Package*. URL: [mirrors.ctan.org/macros/latex/contrib/biblatex/doc/biblatex.pdf](http://mirrors.ctan.org/macros/latex/contrib/biblatex/doc/biblatex.pdf) (visited on 12/20/2018).
- ▶ **Jesús P. MENA-CHALCO et al.** (2008). "Identification of Protein Coding Regions Using the Modified Gabor-Wavelet Transform". In: *IEEE/ACM Transactions on Computational Biology and Bioinformatics* 5, pp. 198–207.

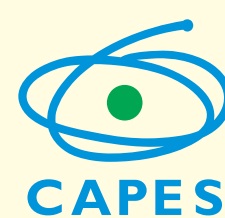
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