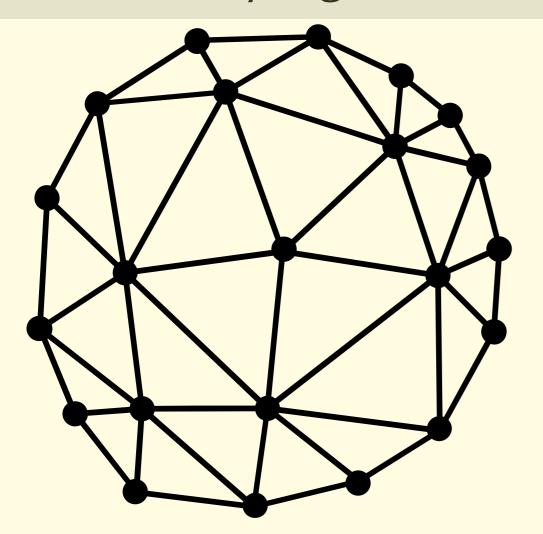
## InterSCity: A Scalable Microservice-based Open Source Platform for Smart Cities

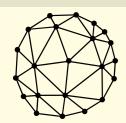
#### The InterSCity logo



### INCT

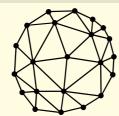
# InterSCity

#### Reduced



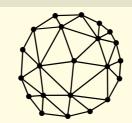
InterSCity

#### Reduced



InterSCity

#### Reduced



InterSCity

#### Reduced



InterSCity

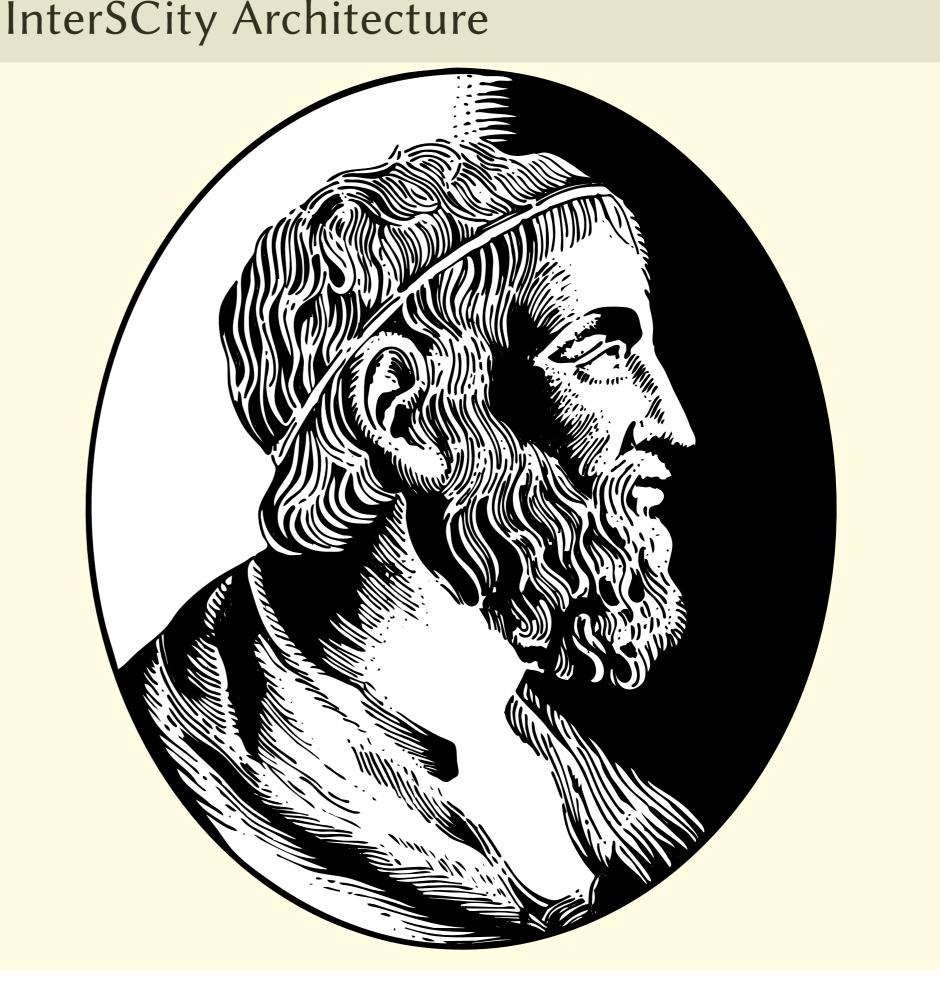
#### Context

- 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

#### IntorSCity Architecture



#### Bibliography

- ► Free Software Foundation (2007). *GNU General Public License*. URL: 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 (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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