A Science Cloud for Smart Cities Research

Cities are densely populated and heavily equipped areas with a high level of service provision. Smart cities can use these conditions to achieve the goals of a smart society for their citizens. To facilitate such developments, the necessary IT-infrastructure has to be in place for supporting, amongst many other things, the whole lifecycle of big data management and analytics for research activities. At the Centre for IT-Intelligent Smart Energy for Cities, we have therefore been developing a flexible infrastructure, based on open source technologies. This paper presents this solution and its application in a city and building research.

General information
State: Published
Organisations: Department of Civil Engineering, Section for Building Energy, Department of Management Engineering, Systems Analysis, Section for Indoor Climate and Building Physics, Centre for IT-Intelligent Energy Systems in Cities
Contributors: Heller, A., Liu, X., Gianniou, P.
Pages: 679-684
Publication date: 2017
Peer-reviewed: Yes

Publication information
Journal: Energy Procedia
Volume: 122
ISSN (Print): 1876-6102
Ratings:
BFI (2018): BFI-level 1
BFI (2017): BFI-level 1
Scopus rating (2017): CiteScore 1.44 SJR 0.495 SNIP 0.799
BFI (2016): BFI-level 1
Scopus rating (2016): CiteScore 1.16 SJR 0.464 SNIP 0.598
Web of Science (2016): Indexed yes
BFI (2015): BFI-level 1
Scopus rating (2015): CiteScore 0.92 SJR 0.359 SNIP 0.562
BFI (2014): BFI-level 1
Scopus rating (2014): CiteScore 1.09 SJR 0.429 SNIP 0.807
BFI (2013): BFI-level 1
Scopus rating (2013): CiteScore 1.02 SJR 0.42 SNIP 0.778
ISI indexed (2013): ISI indexed no
Web of Science (2013): Indexed yes
Scopus rating (2012): CiteScore 1.08 SJR 0.411 SNIP 0.55
ISI indexed (2012): ISI indexed no
Web of Science (2012): Indexed yes
Scopus rating (2011): CiteScore 2.42 SJR 0.877 SNIP 1.45
ISI indexed (2011): ISI indexed no
Scopus rating (2010): SJR 0.416 SNIP 0.91
Web of Science (2009): Indexed yes
Original language: English
Electronic versions:
Untitled.pdf
DOIs:
10.1016/j.egypro.2017.07.369
Research output: Research - peer-review › Conference article – Annual report year: 2017