

Topic guide for interview related to urban Citizen Science projects implemented in lower and middle income country (LMIC) contexts:

- Introduction of project, how data is being gathered and how it will be used
- Question topics
 - Project name
 - Country, contact info for organiser
 - Link to further info if avail.
 - What was the motivation for initiating the project? (e.g. awareness raising; new data for research; verification of data; informing decision-making; activism, etc.)
 - Which actors were involved (types) and what were their roles?
 - Basic project info (time period, # of participants, one-time vs repeated/continual)
 - What is the funding model for the work?
 - What are the impacts of the work? (in relation to E.g. related to awareness raising; new data for research; verification of data; informing decision-making; activism, etc.)
 - What would you consider the successes of the project?
 - What would you consider the challenges of the project?
 - Do you have any recommendations for future citizen science projects implemented in the LMIC country context?

Table S1. Resources describing urban citizen-generated data projects in low and middle income countries. Some projects are described in multiple resources and some resources described multiple projects.

Project no.	Resource no.	Resource
1	1	Citizen science participation in research in the environmental sciences: key factors related to projects' success and longevity By: Fernandes Cunha, Davi Gasparini; de Resende, Juliana C.; de Falco, Patricia Bortoletto; et al. ANAIS DA ACADEMIA BRASILEIRA DE CIÊNCIAS Volume: 89 Pages: 2229-2245 Published MAR 1 2017
1	2	The contribution of volunteer-based monitoring data to the assessment of harmful phytoplankton blooms in Brazilian urban streams By: Fernandes Cunha, Davi Gasparini; Casali, Simone Pereira; de Falco, Patricia Bortoletto; et al. SCIENCE OF THE TOTAL ENVIRONMENT Volume: 584 Pages: 586-594 Published: APR 15 2017
1	3	Combining citizen science and land use data to identify drivers of eutrophication in the Huangpu River system By: Zhang, Yuchao; Ma, Ronghua; Hu, Minqi; et al. SCIENCE OF THE TOTAL ENVIRONMENT Volume: 584 Pages: 651-664 Published: APR 15 2017
1	4	Prioritising local action for water quality improvement using citizen science; a study across three major metropolitan areas of China By: Thornhill, Ian; Ho, Jonathan G.; Zhang, Yuchao; et al. SCIENCE OF THE TOTAL ENVIRONMENT Volume: 584 Pages: 1268-1281 Published: APR 15 2017
1	5	Micro and Macroscale Drivers of Nutrient Concentrations in Urban Streams in South, Central and North America By: Loiselle, Steven A.; Fernandes Cunha, Davi Gasparini; Shupe, Scott; et al. PLOS ONE Volume: 11 Issue: 9 Article Number: e0162684 Published: SEP 23 2016
1	6	Quantification of phytoplankton bloom dynamics by citizen scientists in urban and peri-urban environments By: Castilla, Eva Pintado; Fernandes Cunha, Davi Gasparini; Lee, Fred Wang Fat; et al. ENVIRONMENTAL MONITORING AND ASSESSMENT Volume: 187 Issue: 11 Article Number: 690 Published: NOV 2015
2	7	Check-in behaviour and spatio-temporal vibrancy: An exploratory analysis in Shenzhen, China By: Wu, Chao; Ye, Xinyue; Ren, Fu; et al. CITIES Volume: 77 Pages: 104-116 Published: JUL 2018
3	8	Participatory soundscape sensing By: Li, Chunming; Liu, Yin; Haklay, Muki LANDSCAPE AND URBAN PLANNING Volume: 173 Pages: 64-69 Published: MAY 2018
4	9	Mining urban passengers' travel patterns from incomplete data with use cases By: Weng, Xiaoxiong; Liu, Yongxin; Song, Houbing; et al.

		COMPUTER NETWORKS Volume: 134 Pages: 116-126 Published: APR 7 2018
5	10	Using Volunteered Geographic Information to measure name changes of artificial geographical features as a result of political changes: a Libya case study By: Ahmouda, Ahmed; Hochmair, Hartwig H. GEOJOURNAL Volume: 83 Issue: 2 Pages: 237-255 Published: APR 2018
6	11	The potential of volunteered geographic information to investigate peri-urbanization in the conservation zone of Mexico City By: Heider, Katharina; Lopez, Juan Miguel Rodriguez; Scheffran, Juergen ENVIRONMENTAL MONITORING AND ASSESSMENT Volume: 190 Issue: 4 Article Number: 219 Published: APR 2018
6	12	Frontiers of urbanization: Identifying and explaining urbanization hot spots in the south of MexicoCity using human and remote sensing By: Rodriguez Lopez, Juan Miguel; Heider, Katharina; Scheffran, Juergen APPLIED GEOGRAPHY Volume: 79 Pages: 1-10 Published: FEB 2017
7	13	Urban infrastructure safety system based on mobile crowdsensing By: Zhao, Xuefeng; Wang, Niannian; Han, Ruicong; et al. INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION Volume: 27 Pages: 427-438 Published: MAR 2018
8	14	Social Network Based Crowd Sensing for Intelligent Transportation and Climate Applications By: Tse, Rita; Zhang, Lu Fan; Lei, Philip; et al. MOBILE NETWORKS & APPLICATIONS Volume: 23 Issue: 1 Special Issue: SI Pages: 177-183 Published: FEB 2018
9, 10, 11, 12	15	Spatial data for slum upgrading: Volunteered Geographic Information and the role of citizen science By: Hachmann, Samyra; Arsanjani, Jamal Jokar; Vaz, Eric HABITAT INTERNATIONAL Volume: 72 Special Issue: SI Pages: 18-26 Published: FEB 2018
9	16	http://www.govtech.com/fs/Innovative-Urban-Apps-Feature-Crowdsourcing-Virtual-Reality.html
13	17	Flooding and inundation collaborative mapping - use of the Crowdmap/Ushahidi platform in the city of Sao Paulo, Brazil By: Hirata, E.; Giannotti, M. A.; Larocca, A. P. C.; et al. JOURNAL OF FLOOD RISK MANAGEMENT Volume: 11 Supplement: 1 Pages: S98-S109 Published: JAN 2018
14	18	Factors affecting presence of vervet monkey troops in a suburban matrix in KwaZulu-Natal, South Africa By: Patterson, Lindsay; Kalle, Riddhika; Downs, Colleen LANDSCAPE AND URBAN PLANNING Volume: 169 Pages: 220-228 Published: JAN 2018
15	19	Adaptive Sampling for Urban Air Quality through Participatory Sensing By: Zeng, Yuanyuan; Xiang, Kai SENSORS Volume: 17 Issue: 11 Article Number: 2531 Published: NOV 2017
16	20	Utilising volunteered geographic information to assess resident's flood evacuation shelters. Case study: Jakarta

		By: Kusumo, A. N. L.; Reckien, D.; Verplanke, J. APPLIED GEOGRAPHY Volume: 88 Pages: 174-185 Published: NOV 2017
16	21	https://webapps.itc.utwente.nl/librarywww/papers_2016/msc/upm/kusumo.pdf
17	22	Smartphone-based crowdsourcing for position estimation of public transport vehicles By: Mukheja, Pankaj; Kiran, Mukesh K.; Velaga, Nagendra R.; et al. IET INTELLIGENT TRANSPORT SYSTEMS Volume: 11 Issue: 9 Pages: 588-595 Published: NOV 2017
18	23	Electric Vehicle Route Selection and Charging Navigation Strategy Based on Crowd Sensing By: Yang, Hongming; Deng, Youjun; Qiu, Jing; et al. IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS Volume: 13 Issue: 5 Pages: 2214-2226 Published: OCT 2017
19	24	Difference of urban development in China from the perspective of passenger transport around Spring Festival By: Xu, Jun; Li, Aoyong; Li, Dong; et al. APPLIED GEOGRAPHY Volume: 87 Pages: 85-96 Published: OCT 2017
20	25	Social Media: New Perspectives to Improve Remote Sensing for Emergency Response By: Li, Jun; He, Zhi; Plaza, Javier; et al. PROCEEDINGS OF THE IEEE Volume: 105 Issue: 10 Special Issue: SI Pages: 1900-1912 Published: OCT 2017
21	26	A Novel Methodology to Label Urban Remote Sensing Images Based on Location-Based Social Media Photos By: Chi, Mingmin; Sun, Zhongyi; Qin, Yiqing; et al. PROCEEDINGS OF THE IEEE Volume: 105 Issue: 10 Special Issue: SI Pages: 1926-1936 Published: OCT 2017
22	27	Automatic Rich Map Semantics Identification Through Smartphone-Based Crowd-Sensing By: Aly, Heba; Basalamah, Anas; Youssef, Moustafa IEEE TRANSACTIONS ON MOBILE COMPUTING Volume: 16 Issue: 10 Pages: 2712-2725 Published: OCT 1 2017
23	28	The Combined Use of Remote Sensing and Social Sensing Data in Fine-Grained Urban Land Use Mapping: A Case Study in Beijing, China By: Zhang, Yuan; Li, Qiangzi; Huang, Huiping; et al. REMOTE SENSING Volume: 9 Issue: 9 Article Number: 865 Published: SEP 2017
24	29	Event-Driven Distributed Information Resource-Focusing Service for Emergency Response in SmartCity with Cyber-Physical Infrastructures By: Xiao, Changjiang; Chen, Nengcheng; Gong, Jianya; et al. ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION Volume: 6 Issue: 8 Article Number: 251 Published: AUG 2017
25	30	Measuring fine-grained metro interchange time via smartphones By: Gu, Weixi; Zhang, Kai; Zhou, Zimu; et al. TRANSPORTATION RESEARCH PART C-EMERGING TECHNOLOGIES Volume: 81 Pages: 153-171 Published: AUG 2017
26	31	Exploring urban tourism crowding in Shanghai via crowdsourcing geospatial data

		By: Shi, Beiqi; Zhao, Jinlin; Chen, Po-Ju CURRENT ISSUES IN TOURISM Volume: 20 Issue: 11 Special Issue: SI Pages: 1186-1209 Published: AUG 2017
27	32	CANS: context-aware traffic estimation and navigation system By: Ramazani, Azam; Vahdat-Nejad, Hamed IET INTELLIGENT TRANSPORT SYSTEMS Volume: 11 Issue: 6 Pages: 326-333 Published: AUG 2017
28	33	Crisis information to support spatial planning in post disaster recovery By: Mejri, Ouejdane; Menoni, Scira; Matias, Kyla; et al. INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION Volume: 22 Pages: 46-61 Published: JUN 2017
29	34	Mapping fine-scale population distributions at the building level by integrating multisource geospatial big data By: Yao, Yao; Liu, Xiaoping; Li, Xia; et al. INTERNATIONAL JOURNAL OF GEOGRAPHICAL INFORMATION SCIENCE Volume: 31 Issue: 6 Pages: 1220-1244 Published: JUN 2017
30	35	Generating Up-to-Date and Detailed Land Use and Land Cover Maps Using OpenStreetMap and GlobeLand30 By: Fonte, Cidalia Costa; Minghini, Marco; Patriarca, Joaquim; et al. ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION Volume: 6 Issue: 4 Article Number: 125 Published: APR 2017
31	36	SenseCityVity: Mobile Crowdsourcing, Urban Awareness, and Collective Action in Mexico By: Ruiz-Correa, Salvador; Santani, Darshan; Ramirez-Salazar, Beatriz; et al. IEEE PERVASIVE COMPUTING Volume: 16 Issue: 2 Pages: 44-53 Published: APR-JUN 2017
31	37	http://publications.idiap.ch/downloads/papers/2016/Gatica-Perez_DIGITALPOLIS_2016.pdf
31	38	https://www.springer.com/cda/content/document/cda_downloadaddocument/9783319705590-c2.pdf?SGWID=0-0-45-1627302-p181236163
32	39	Building the Multi-Modal Storytelling of Urban Emergency Events Based on Crowdsensing of Social Media Analytics By: Xu, Zheng; Liu, Yunhuai; Zhang, Hui; et al. MOBILE NETWORKS & APPLICATIONS Volume: 22 Issue: 2 Pages: 218-227 Published: APR 2017
32	40	Building knowledge base of urban emergency events based on crowdsourcing of social media By: Xu, Zheng; Zhang, Hui; Hu, Chuanping; et al. CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE Volume: 28 Issue: 15 Pages: 4038-4052 Published: OCT 2016
32	41	Participatory sensing-based semantic and spatial analysis of urban emergency events using mobile social media By: Xu, Zheng; Zhang, Hui; Sugumaran, Vijayan; et al. EURASIP JOURNAL ON WIRELESS COMMUNICATIONS AND NETWORKING Article Number: 44 Published: FEB 9 2016
32	42	Crowd Sensing of Urban Emergency Events based on Social Media Big Data By: Xu, Zheng; Zhang, Hui; Liu, Yunhuai; et al.

		<p>Conference: 13th IEEE International Conference on Trust Security and Privacy in Computing and Communications (TrustCom) Location: Beijing, PEOPLES R CHINA Date: SEP 24-26, 2014</p> <p>Sponsor(s): IEEE; IEEE Comp Soc; IEEE Tech Comm Scalable Comp; Tsinghua Univ; NSFC; Comp Sci Org; Huawei; Tsinghua Univ, Sch Software</p> <p>2014 IEEE 13TH INTERNATIONAL CONFERENCE ON TRUST, SECURITY AND PRIVACY IN COMPUTING AND COMMUNICATIONS (TRUSTCOM) Book Series: IEEE International Conference on Trust Security and Privacy in Computing and Communications Pages: 605-610 Published: 2014</p>
33	43	<p>"Internet plus " approach to mapping exposure and seismic vulnerability of buildings in a context of rapid socioeconomic growth: a case study in Tangshan, China</p> <p>By: Qi, Wenhua; Su, Guiwu; Sun, Lei; et al.</p> <p>NATURAL HAZARDS Volume: 86 Supplement: 1 Pages: 107-139 Published: MAR 2017</p>
34	44	<p>PMViewer: A Crowdsourcing Approach to Fine-Grained Urban PM2.5 Monitoring in China</p> <p>By: Zhang, ChengYi; Wang, Yazhe; Liu, Peng; et al.</p> <p>Conference: 14th IEEE International Conference on Mobile Ad Hoc and Sensor Systems (MASS) Location: Orlando, FL Date: OCT 22-25, 2017</p> <p>Sponsor(s): Natl Sci Fdn; IEEE Comp Soc, Tech Comm Simulat; IEEE Tech Comm Distributed Proc; Journal Sensor & Actuator Networks</p> <p>2017 IEEE 14TH INTERNATIONAL CONFERENCE ON MOBILE AD HOC AND SENSOR SYSTEMS (MASS) Book Series: IEEE International Conference on Mobile Ad-hoc and Sensor Systems Pages: 323-327 Published: 2017</p>
35	45	<p>RoadCrowd: An Approach to Road Traffic Forecasting at Junctions using Crowd-Sourcing and Bayesian Model</p> <p>By: Khan, Sazid Zaman; Rahuman, W. M. Abdul; Dey, Shaon; et al.</p> <p>Conference: 5th International Conference on Research and Innovation in Information Systems (ICRIIS) - Social Transformation through Data Science Location: Langkawi, MALAYSIA Date: JUL 16-17, 2017</p> <p>2017 5TH INTERNATIONAL CONFERENCE ON RESEARCH AND INNOVATION IN INFORMATION SYSTEMS (ICRIIS 2017): SOCIAL TRANSFORMATION THROUGH DATA SCIENCE Book Series: International Conference on Research and Innovation in Information Systems Published: 2017</p>
36	46	<p>An Agent Based Traffic Regulation System for the Roadside Air Quality Control</p> <p>By: El Fazziki, Abdelaziz; Benslimane, Djamel; Sadiq, Abderrahmane; et al.</p> <p>IEEE ACCESS Volume: 5 Pages: 13192-13201 Published: 2017</p>
37	47	<p>CrowdMap: Crowdsourcing based City Traffic Map Generation</p> <p>By: Verma, Rohit</p> <p>Conference: 9th International Conference on Communication Systems and Networks (COMSNETS) Location: Bangalore, INDIA Date: JAN 04-08, 2017</p>

		<p>Sponsor(s): Cisco Syst; Qualcomm; Microsoft; Tata Consultancy Serv; Google; Xerox; IBM Res; Robert Bosch GmbH; Adobe Syst; FIDO Alliance; IEEE</p> <p>2017 9TH INTERNATIONAL CONFERENCE ON COMMUNICATION SYSTEMS AND NETWORKS (COMSNETS) Book Series: International Conference on Communication Systems and Networks Pages: 582-583 Published: 2017</p>
38	48	<p>GreenPlanner: Planning Personalized Fuel-efficient Driving Routes using Multi-sourced Urban Data</p> <p>By: Ding, Yan; Chen, Chao; Zhang, Shu; et al.</p> <p>Conference: IEEE International Conference on Pervasive Computing and Communications (PerCom) Location: HI Date: MAR 13-17, 2017</p> <p>Sponsor(s): IEEE</p> <p>2017 IEEE INTERNATIONAL CONFERENCE ON PERVASIVE COMPUTING AND COMMUNICATIONS (PERCOM) Book Series: International Conference on Pervasive Computing and Communications Published: 2017</p>
39	49	<p>Monitoring the built-up environment of Shanghai on the street-block level using SAR and volunteered geographic information</p> <p>By: Jendryke, Michael; McClure, Stephen C.; Balz, Timo; et al.</p> <p>INTERNATIONAL JOURNAL OF DIGITAL EARTH Volume: 10 Issue: 7 Pages: 675-686 Published: 2017</p>
40	50	<p>Incentive theory for a participatory crowdsourcing project in a developing country</p> <p>By: Bosha, Elizabeth; Cilliers, Liezel; Flowerday, Stephen</p> <p>SOUTH AFRICAN JOURNAL OF INFORMATION MANAGEMENT Volume: 19 Issue: 1 Article Number: a739 Published: 2017</p>
40	51	<p>Information Security in a Public Safety, Participatory Crowdsourcing Smart City Project</p> <p>By: Cilliers, Liezel; Flowerday, Stephen</p> <p>Conference: World Congress on Internet Security (WorldCIS) Location: London, UNITED KINGDOM Date: DEC 08-10, 2014</p> <p>2014 WORLD CONGRESS ON INTERNET SECURITY (WORLDCIS) Book Series: World Congress on Internet Security Pages: 36-41 Published: 2014</p>
40	52	<p>Using Participatory Crowdsourcing in South Africa to Create a Safer Living Environment</p> <p>By: Bhana, Bhavoor; Flowerday, Stephen; Satt, Aharon</p> <p>INTERNATIONAL JOURNAL OF DISTRIBUTED SENSOR NETWORKS Article Number: 907196 Published: 2013</p>
41	53	<p>Forecasting Public Transit Use by Crowdsensing and Semantic Trajectory Mining: Case Studies</p> <p>By: Zhang, Ningyu; Chen, Huajun; Chen, Xi; et al.</p> <p>ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION Volume: 5 Issue: 10 Article Number: 180 Published: OCT 2016</p>
42	54	<p>Crowdsourced data for flood hydrology: Feedback from recent citizen science projects in Argentina, France and New Zealand</p> <p>By: Le Coz, Jerome; Patalano, Antoine; Collins, Daniel; et al.</p>

		JOURNAL OF HYDROLOGY Volume: 541 Pages: 766-777 Part: B Published: OCT 2016
43	55	Where do networks really work? The effects of the Shenzhen greenway network on supporting physical activities By: Liu, Kun; Siu, Kin Wai Michael; Gong, Xi Yong; et al. LANDSCAPE AND URBAN PLANNING Volume: 152 Pages: 49-58 Published: AUG 2016
44	56	Urban function connectivity: Characterisation of functional urban streets with social media check-in data By: Shen, Yao; Karimi, Kayvan CITIES Volume: 55 Pages: 9-21 Published: JUN 2016
45	57	Automated identification and characterization of parcels with OpenStreetMap and points of interest By: Liu, Xingjian; Long, Ying ENVIRONMENT AND PLANNING B-PLANNING & DESIGN Volume: 43 Issue: 2 Pages: 341-360 Published: MAR 2016
46	58	mu-shapes: Delineating urban neighborhoods using volunteered geographic information By: Aadland, Matt; Farah, Christopher; Magee, Kevin JOURNAL OF SPATIAL INFORMATION SCIENCE Issue: 12 Pages: 29-43 Published: 2016
47	59	AN INTELLIGENT ROAD TRAFFIC MANAGEMENT SYSTEM USING NVIDIA GPU By: Alam, Tahmid Tanzi; Chowdhury, Ahmad Naquib; Rahman, Mohammad Zahidur Conference: 19th International Conference on Computer and Information Technology (ICCIT) Location: Dhaka, BANGLADESH Date: DEC 18-20, 2016 Sponsor(s): IEEE Bangladesh Sect; Inst Elect & Elect Engineers; N S Univ PROCEEDINGS OF THE 2016 19TH INTERNATIONAL CONFERENCE ON COMPUTER AND INFORMATION TECHNOLOGY (ICCIT) Book Series: International Conference on Computer and Information Technology Pages: 419-424 Published: 2016
48	60	iMap: A Crowdsensing Based System for Outdoor Radio Signal Strength Map By: Fan, Xiaochen; Yang, Panlong; Xiang, Chaocan; et al. Conference: 15th IEEE Int Conf on Trust, Security and Privacy in Comp and Commun / 10th IEEE Int Conf on Big Data Science and Engineering / 14th IEEE Int Symposium on Parallel and Distributed Proc with Applicat (IEEE Trustcom/BigDataSE/ISPA) Location: Tianjin, PEOPLES R CHINA Date: AUG 23-26, 2016 Sponsor(s): IEEE; IEEE Comp Soc; IEEE Tech Comm Scalable Comp 2016 IEEE TRUSTCOM/BIGDATASE/ISPA Book Series: IEEE Trustcom BigDataSE ISPA Pages: 1442-1447 Published: 2016
49	61	AirSense: Opportunistic Crowd-Sensing based Air Quality monitoring System for Smart City By: Dutta, Joy; Gazi, Firoj; Roy, Sarbani; et al. Conference: 15th IEEE Sensors Conference Location: Orlando, FL Date: OCT 30-NOV 03, 2016 Sponsor(s): IEEE; IEEE Sensors Council 2016 IEEE SENSORS Book Series: IEEE Sensors Published: 2016
50	62	PublicSense: A Crowd Sensing Platform for Public Facility Management in Smart Cities

		<p>By: Wang, Zi; Guo, Bin; Yu, Zhiwen; et al.</p> <p>Conference: Conference on UIC/ATC/ScalCom/CBDCom/IoP/SmartWorld Location: Toulouse, FRANCE Date: JUL 18-21, 2016</p> <p>Sponsor(s): IEEE; IEEE Comp Soc; IEEE Tech Comm Scalable Comp; NVIDIA Corp; Berger Levrault; Univ Toulouse, LAAS CNRS; CNRS; MARIE TOULOUSE</p> <p>2016 INT IEEE CONFERENCES ON UBIQUITOUS INTELLIGENCE & COMPUTING, ADVANCED & TRUSTED COMPUTING, SCALABLE COMPUTING AND COMMUNICATIONS, CLOUD AND BIG DATA COMPUTING, INTERNET OF PEOPLE, AND SMART WORLD CONGRESS (UIC/ATC/SCALCOM/CBDCom/IOP/SMARTWORLD) Pages: 114-120 Published: 2016</p>
50	63	<p>PublicSense: Refined Urban Sensing and Public Facility Management with Crowdsourced Data</p> <p>By: Zhang, Jiafan; Guo, Bin; Chen, Huihui; et al.</p> <p>Conference: 12th IEEE Int Conf Ubiquitous Intelligence & Comp/12th IEEE Int Conf Autonom & Trusted Comp/15th IEEE Int Conf Scalable Comp & Commun & Associated Workshops/IEEE Int Conf Cloud & Big Data Comp/IEEE Int Conf Internet People Location: Beijing, PEOPLES R CHINA Date: AUG 10-14, 2015</p> <p>Sponsor(s): Inst Elect & Elect Eng; IEEE Comp Soc; NSFC; IEEE Tech Comm Scalable Comp; Beijing Municipal Sci & Technol Commiss; Zhejiang Univ; Tsinghua Univ; China Univ Petroleum; China Univ Geosciences; Shanghai Univ; Peking Univ; Beijing Union Univ; Tsinghua Sci & Technol; Sci China Press; NE Univ; Univ Sci & Technol Beijing; Cybermat & Brain Informat S&T Int Cooperat Base</p> <p>IEEE 12TH INT CONF UBIQUITOUS INTELLIGENCE & COMP/IEEE 12TH INT CONF ADV & TRUSTED COMP/IEEE 15TH INT CONF SCALABLE COMP & COMMUN/IEEE INT CONF CLOUD & BIG DATA COMP/IEEE INT CONF INTERNET PEOPLE AND ASSOCIATED SYMPOSIA/WORKSHOPS Pages: 1407-1412 Published: 2015</p>
51	64	<p>CRATER: A Crowd Sensing Application to Estimate Road Conditions</p> <p>By: Kalim, Faria; Jeong, Jaehoon (Paul); Ilyas, Muhammad U.</p> <p>IEEE ACCESS Volume: 4 Pages: 8317-8326 Published: 2016</p>
52	65	<p>Land Use Classification in Construction Areas Based on Volunteered Geographic Information</p> <p>By: Chen, Chenru; Du, Zhenbo; Zhu, Dehai; et al.</p> <p>Conference: 5th International Conference on Agro-Geoinformatics (Agro-Geoinformatics) Location: Inst Agr Resources & Regional Planning, Chinese Acad Agr Sci, Tianjin, PEOPLES R CHINA Date: JUL 18-20, 2016</p> <p>Sponsor(s): Tianjin Polytechn Univ; George Mason Univ, Ctr Spatial Informat Sci & Syst; CSISS Fdn Inc; Open Geospatial Consortium; Turkish Minist Agr; TARBIL Agr Informat Appl Res Ctr; Istanbul Tech Univ; Chinese Acad Agr Sci; Chinese Soc Agr Resources & Regional Planning; Chinese Assoc Agr Sci Soc; Wuhan Univ; IEEE Geoscience & Remote Sensing Soc; State Adm Foreign Experts Affairs China; Minist Agr; Natl Nat Sci Fdn China</p> <p>2016 FIFTH INTERNATIONAL CONFERENCE ON AGRO-GEOINFORMATICS (AGRO-GEOINFORMATICS) Book Series: International Conference on Agro-Geoinformatics Pages: 32-35 Published: 2016</p>
53	66	<p>Flooded Streets - A Crowdsourced Sensing System for Disaster Response: A Case Study</p>

		<p>By: Naik, Nitin</p> <p>Conference: 2nd Annual IEEE International Symposium on Systems Engineering (ISSE) Location: Edinburgh, SCOTLAND Date: OCT 03-05, 2016</p> <p>Sponsor(s): IEEE; IEEE Syst Council</p> <p>2016 IEEE INTERNATIONAL SYMPOSIUM ON SYSTEMS ENGINEERING (ISSE) Pages: 429-431 Published: 2016</p>
54	67	<p>Riding Quality Evaluation through Mobile Crowd Sensing</p> <p>By: Tan, Senyuan; Wang, Xiaoliang; Maier, Guido; et al.</p> <p>Conference: IEEE International Conference on Pervasive Computing and Communication Workshops (PerCom Workshops)</p> <p>Location: Sydney, AUSTRALIA Date: MAR 14-19, 2016</p> <p>Sponsor(s): IEEE; IEEE Comp Soc; Univ Texas Arlington; Natl Sci Fdn; Data61 CSIRO Australia; Rochester Inst Technol; Univ Queensland; Elseviers Pervas & Mobile Comp Journal</p> <p>2016 IEEE INTERNATIONAL CONFERENCE ON PERVASIVE COMPUTING AND COMMUNICATIONS (PERCOM) Book Series: International Conference on Pervasive Computing and Communications Published: 2016</p>
55	68	<p>A Digital Platform to Support Citizen-Government Interactions from Volunteered Geographic Information and Crowdsourcing in Mexico City</p> <p>By: Tapia-McClung, Rodrigo</p> <p>Conference: 16th International Conference on Comp</p>
56	69	<p>A Mobile Information System Based on Crowd-Sensed and Official Crime Data for Finding Safe Routes: A Case Study of Mexico City</p> <p>By: Mata, Felix; Torres-Ruiz, Miguel; Guzman, Giovanni; et al.</p> <p>MOBILE INFORMATION SYSTEMS Pages: 1-11 Article Number: 8068209 Published: 2016</p>
57	70	<p>Emotional Landmarks in Cities The Emotional Life of Cities as Expressed on Social Networks</p> <p>By: Iaconesi, Salvatore</p> <p>SOCIOLOGICA-ITALIAN JOURNAL OF SOCIOLOGY ON LINE Issue: 3 Published: 2015</p>
58	71	<p>Developing a community-based worldwide urban morphology and materials database (WUDAPT) using remote sensing and crowdsourcing for improved urban climate modelling</p> <p>By: See, Linda; Perger, Christoph; Duerauer, Martina; et al.</p> <p>Conference: Joint Urban Remote Sensing Event Location: Lausanne, SWITZERLAND Date: MAR 30-APR 01, 2015</p> <p>Sponsor(s): Ecole Polytechnique Fed Lausanne; Univ Lausanne Inst Geog Durabilite; Univ Zurich</p> <p>2015 JOINT URBAN REMOTE SENSING EVENT (JURSE) Published: 2015</p>
59	72	<p>Toward Enabling Convenient Urban Transit through Mobile Crowdsensing</p> <p>By: Bajaj, Garvita; Bouloukakis, Georgios; Pathak, Animesh; et al.</p>

		Conference: 18th IEEE International Conference on Intelligent Transportation Systems Location: SPAIN Date: SEP 15-18, 2015 Sponsor(s): IEEE; Int Transportat Syst Soc; CVCEI; Univ Las Palmas Gran Canaria; Ayuntamiento Las Palmas Gran Canaria; LPA; IEEE Comp Soc; Univ Las Palmas Gran Canaria, Inst Univ Ciencias Tecnologias Ciberneticas 2015 IEEE 18TH INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS Book Series: IEEE International Conference on Intelligent Transportation Systems-ITSC Pages: 290-295 Published: 2015
60	73	Good neighbours: distribution of black-tufted marmoset (<i>Callithrix penicillata</i>) in an urban environment By: Teixeira, Bruno; Hirsch, Andre; Goulart, Vinicius D. L. R.; et al. WILDLIFE RESEARCH Volume: 42 Issue: 7 Pages: 579-589 Published: 2015
61	74	Crowdsourcing information for knowledge-based design of routes for unscheduled public transport trips By: Cairo, Osvaldo; Salcedo, Jose Sendra; Octavio Gutierrez-Garcia, J. JOURNAL OF KNOWLEDGE MANAGEMENT Volume: 19 Issue: 3 Pages: 626-640 Published: 2015
62	75	Crowdsourcing for Geodesign: Opportunities and Challenges for Stakeholder Input in Urban Planning By: Borges, Junia; Jankowski, Piotr; Davis, Clodoveu A., Jr. Conference: 27th International Cartographic Conference (ICC) Location: Rio de Janeiro, BRAZIL Date: AUG 23-28, 2015 CARTOGRAPHY - MAPS CONNECTING THE WORLD Book Series: Lecture Notes in Geoinformation and Cartography Pages: 361-373 Published: 2015
63	76	Taxonomy of Citizen Sensing for Intelligent Urban Infrastructures By: Gallo, Diego S.; Cardonha, Carlos; Avegliano, Priscilla; et al. IEEE SENSORS JOURNAL Volume: 14 Issue: 12 Pages: 4154-4164 Published: DEC 2014
63	77	http://thecityfix.com/blog/rota-acessivel-app-accessibility-crowdsourcing-priscila-kichler-pacheco/
64	78	Crowdsourcing urban air temperatures from smartphone battery temperatures By: Overeem, A.; Robinson, J. C. R.; Leijnse, H.; et al. GEOPHYSICAL RESEARCH LETTERS Volume: 40 Issue: 15 Pages: 4081-4085 Published: AUG 16 2013
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