

Special Collection “Contributions of Citizen Science to the SDGs and other International Development Frameworks of Citizen Science: Theory and Practice”

Supplemental File 5. Appendix E to Citizen science: What is it in it for the official statistics community?

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Areas where citizen science data could contribute based on case studies

Table S1: Case studies on data gaps

		Type of contribution	NSO as Initiator/ Leveraging existing data	Type of data gap
I. Addressing specific SDG or NDP indicator				
Colombia 2	Freedom of speech, discrimination and SDG indicators 16.10.1 & 16.b.1	Data collection (CSOs)	NSO	Not produced, Sensitive data, Citizen's experience
Ghana 1	Gender-based violence & SDG indicators 5.2.1, 5.2.2, 11.7.2, 16.2.3)	Data collection (App)	NSO	Sensitive data
Ghana 2	Waste management & SDG indicator 11.6.1	Data collection (App)	NSO	Not produced
Netherlands	Air pollution	Data collection (Sensors)	Data from existing citizens' initiatives	Disaggregated data
Philippines	81 NDP indicators	Data collection (mainly CSOs)	NSO	Mix
UK 2	Marine litter & SDG indicator 14.1.1(b)	Data collection (Charity)	Data from CSO	Not produced
II. Enriching existing statistics				

Italy	Smart trusted surveys pilot - Time-use surveys	Method testing	NSO	New ways of data collection
Kenya	Sex workers' economy	Data collection (CSOs)	NSO	Not produced
III. New types of well-being measurements				
Colombia 3	Vulnerability measurement	Measurement method and data collection	Data from Academia	Citizens' perception
Mexico	Sentiment analysis	Data classification (machine learning)	NSO	Citizens' perception