





Citizen Science and SDGs

Dilek Fraisl, Research Scholar fraisl@iiasa.ac.at @dilekfraisl1 www.iiasa.ac.at



Citizen Science Community Activity
#GEOCitSci

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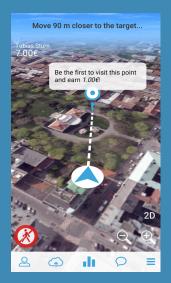
Results

1 100 EET		1.1.1	1.2.1	1.2.2	1.3.1	1.4.1	1.4.2	1.5.1	1.5.2	1.5.3	1.5.4	1.a.1	1.a.2	1.a.3	1.b.1														
2 ZERG HUNGER		2.1.1	2.1.2	2.2.1	2.2.2	2.3.1	2.3.2	2.4.1	2.5.1	2.5.2	2.a.1	2.a.2	2.b.1	2.c.1															
3 GOOD HEALTH AND HELL-SEING		3.1.1	3.1.2	3.2.1	3.2.2	3.3.1	3.3.2	3.3.3	3.3.4	3.3.5	3.4.1	3.4.2	3.5.1	3.5.2	3.6.1	3.7.1	3.7.2	3.8.1	3.8.2	3.9.1	3.9.2	3.9.3	3.a.1	3.b.1	3.b.2	3.b.3	3.c.1	3.d.1	
4 QUALITY EDUCATION		4.1.1	4.2.1	4.2.2	4.3.1	4.4.1	4.5.1	4.6.1	4.7.1	4.a.1	4.b.1	4.c.1																	
5 GENDER EQUALITY	•	5.1.1	5.2.1	5.2.2	5.3.1	5.3.2	5.4.1	5.5.1	5.5.2	5.6.1	5.6.2	5.a.1	5.a.2	5.b.1	5.c.1														
6 CLEAN WATER AND SANTIATION		6.1.1	6.2.1	6.3.1	6.3.2	6.4.1	6.4.2	6.5.1	6.5.2	6.6.1	6.a.1	6.b.1																	
7 CLEAN EMERGY		7.1.1	7.1.2	7.2.1	7.3.1	7.a.1	7.b.1																						
8 DECENT WORK AND ECONOMIC GROWTH		8.1.1	8.2.1	8.3.1	8.4.1	8.4.2	8.5.1	8.5.2	8.6.1	8.7.1	8.8.1	8.8.2	8.9.1	8.9.2	8.10.1	8.10.2	8.a.1	8.b.1											
9 AGUSTRY, INDUSTRIAL IND MERASTRUCTURE		9.1.1	9.1.2	9.2.1	9.2.2	9.3.1	9.3.2	9.4.1	9.5.1	9.5.2	9.a.1	9.b.1	9.c.1																
10 REDUCED DEQUALITIES 11 SOSTERABLE CITIES AND COMMUNITIES		10.1.1	10.2.1	10.3.1	10.4.1	10.5.1	10.6.1	10.7.1	10.7.2	10.a.1	10.b.1	10.c.1																	
A BUSINESSELLY COMMONTES 12 CHESTOWNERS AND PRODUCTION AND PRODUCTION		11.1.1	11.2.1	11.3.1	11.3.2	11.4.1	11.5.1	11.5.2	11.6.1	11.6.2	11.7.1	11.7.2	11.a.1	11.b.1	11.b.2	11.c.1													
AND PRODUCTION AND PRODUCTION 13 CLIMATE ACTION	•	12.1.1	12.2.1	12.2.2	12.3.1	12.4.1	12.4.2	12.5.1	12.6.1	12.7.1	12.8.1	12.a.1	12.b.1	12.c.1															
14 LIFE BELOW WATER		13.1.1	13.1.2	13.1.3	13.2.1	13.3.1	13.3.2	13.a.1	13.b.1																				
15 UF ON LAND		14.1.1	14.2.1	14.3.1	14.4.1	14.5.1	14.6.1	14.7.1	14.a.1	14.b.1	14.c.1																		
\$ ~~~		15.1.1	15.1.2	15.2.1	15.3.1	15.4.1	15.4.2	15.5.1	15.6.1	15.7.1	15.8.1	15.9.1	15.a.1	15.b.1	15.c.1														
16 PLACE JUSTICE AND STRONG BIGHTHTONS 17 PARTHERSHIPS TOR THE COLLS		16.1.1	16.1.2	16.1.3	16.1.4	16.2.1	16.2.2	16.2.3	16.3.1	16.3.2	16.4.1	16.4.2	16.5.1	16.5.2	16.6.1	16.6.2	16.7.1	16.7.2	16.8.1	16.9.1	16.10.1	16.10.2	16.a.1	16.b.1					
FOR THE GOALS		17.1.1	17.1.2	17.2.1	17.3.1	17.3.2	17.4.1	17.5.1	17.6.1	17.6.2	17.7.1	17.8.1	17.9.1	17.10.1	17.11.1	17.12.1	17.13.1	17.14.1	17.15.1	17.16.1	17.17.1	17.18.1	17.18.2	17.18.3	17.19.1	17.19.2			



Examples & Tools









1.5.2 Direct economic loss attributed to disasters in relation to global gross domestic product

15.1.1 Forest area as a proportion of total land area

6.3.2 Proportion of bodies of water with good ambient water quality

15.1.2 Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas, by ecosystem type

14.1.1 Marine plastics



Way Forward



Building awareness and sharing experiences on the use of citizen science for the SDGs;

Developing case studies or success stories where citizen science data have been used in innovative ways by NSOs;

Identifying criteria for ensuring data quality or data quality assurance procedures;

Integrating citizen science into the methodologies of SDG indicators;

Promoting consistent data collection across citizen science initiatives through aligning definitions with global definitions; and

Supporting open citizen science data that are formatted using standards.

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sustainability

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Citizen science and the United Nations Sustainable Development Goals

Steffen Fritz, Linda See, Tyler Carlson, Mordechai (Muki) Haklay, Jessie L. Oliver, Dilek Fraisl, Rosy Mondardini, Martin Brocklehurst, Lea A. Shanley, Sven Schade, Uta Wehn, Tommaso Abrate, Janet Anstee, Stephan Arnold, Matthew Billot, Jillian Campbell, Jessica Espey, Margaret Gold, Gerid Hager, Shan He, Libby Hepburn, Angel Hsu, Deborah Long, Joan Masó, Ian McCallum, Maina Muniafu, Inian Moorthy, Michael Obersteiner, Alison J. Parker, Maike Weissplug & Sarah West - Show fewer authors

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Abstract

Traditional data sources are not sufficient for measuring the United Nations Sustainable Development Goals. New and non-traditional sources of data are required. Citizen science is an emerging example of a non-traditional data source that is already making a contribution. In this Perspective, we present a roadmap that outlines how citizen science can be integrated into the formal Sustainable Development Goals reporting mechanisms. Success will require leadership from the United Nations, innovation from National Statistical Offices and focus from the citizen-science community to identify the indicators for which citizen science can make a real contribution.



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Dilek Fraisl Research Scholar

Email: fraisl@iiasa.ac.at

Twitter: @dilekfraisl1

Web: www.iiasa.ac.at