GEO WEEK 2019
MINISTERIAL SUMMIT #GEOWEEK19
4 - 9 NOVEMBER / CANBERRA, AUSTRALIA

Citizen Science and SDGs

Dilek Fraisl, Research Scholar

fraisl@iiasa.ac.at @dilekfraisl1

www.iiasa.ac.at

International Institute for Applied Systems Analysis
IIASA

Citizen Science Community Activity

#GEOCitSci

#GEOcitsci

Results

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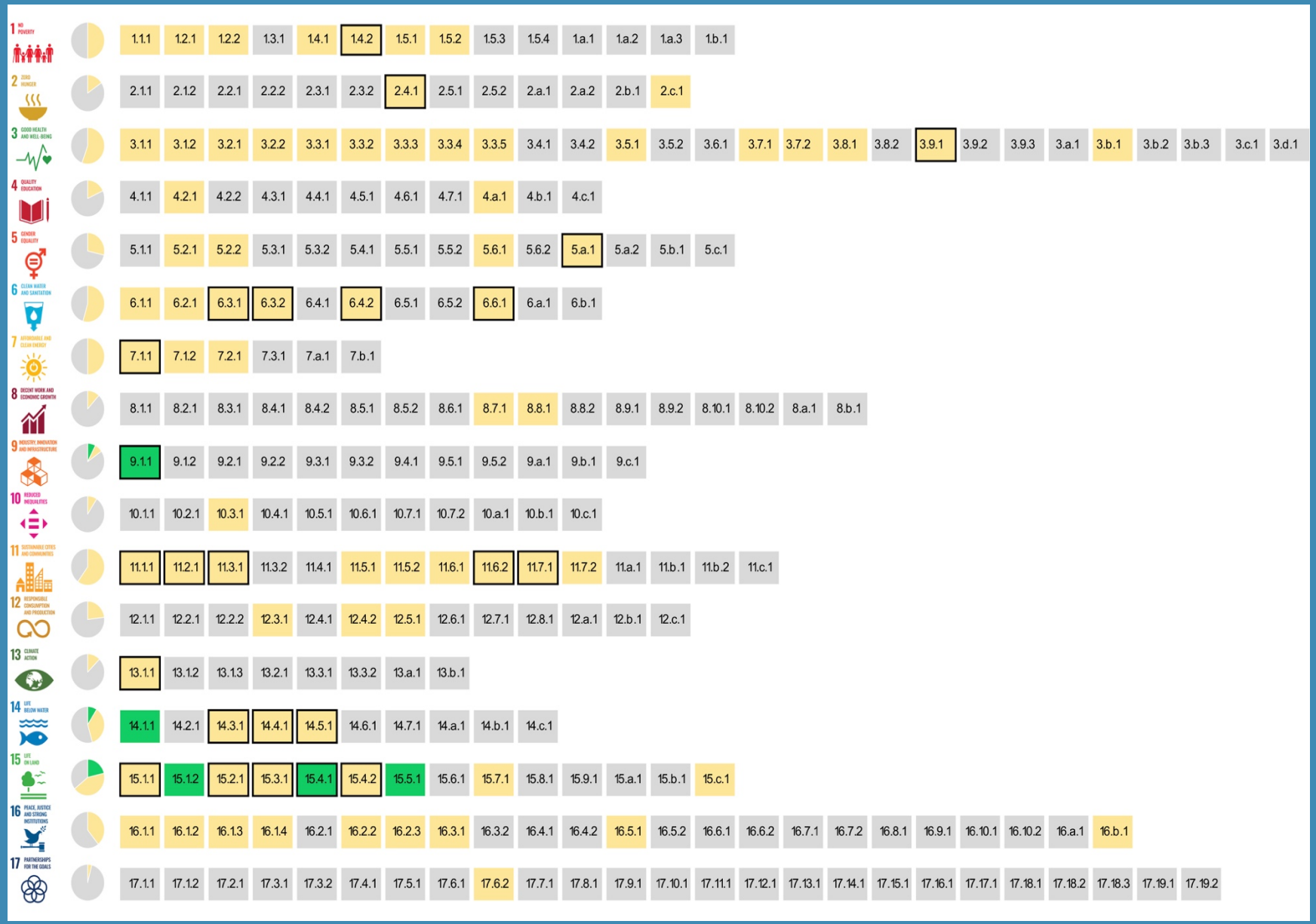

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Examples & Tools

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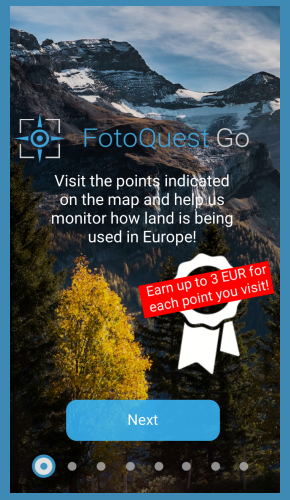

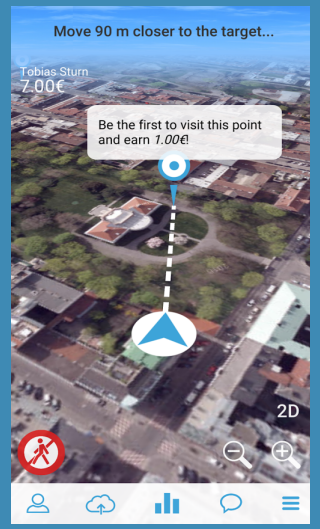

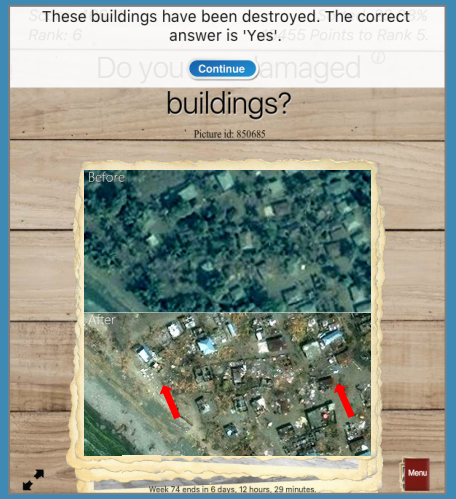

1.5.2 Direct economic loss attributed to disasters in relation to global gross domestic product

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

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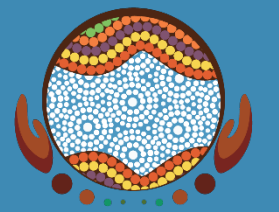
Way Forward



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- 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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MENU nature sustainability

Perspective | Published: 09 October 2019

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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https://www.nature.com/articles/s41893-019-0390-3

Dilek Fraisl
Research Scholar

Email: fraisl@iiasa.ac.at
Twitter: @dilekfraisl1
Web: www.iiasa.ac.at