

Citizen Science and SDGs

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Citizen Science

Public Participation

- *Five models on degree of participation* (Shirk et al. 2012): From projects, where citizens primarily contribute data to initiatives citizens design the research with scientists.

Voluntary contribution

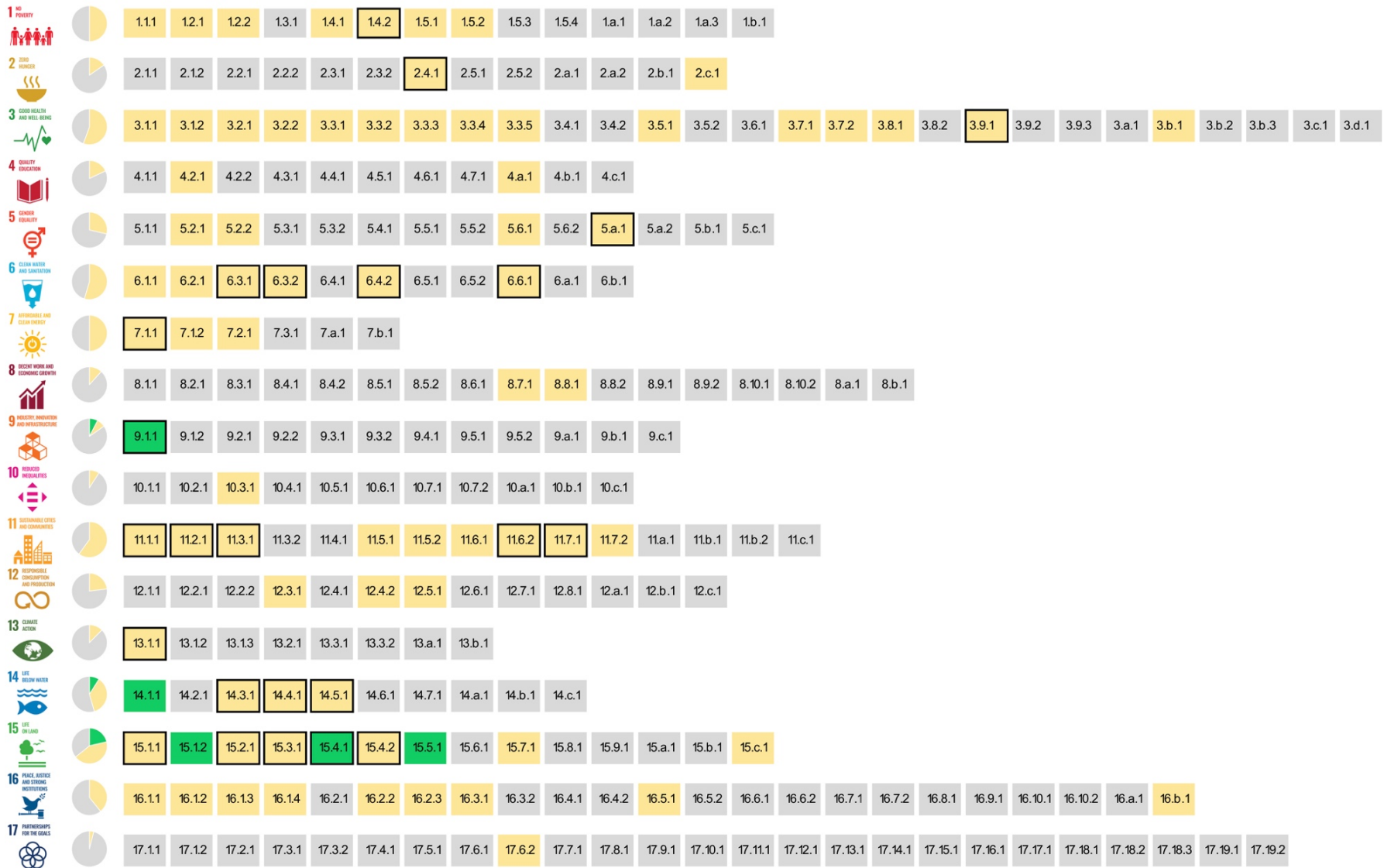
- Contributions on voluntary basis; no professional background or disposable income. Active contribution with the purpose of involvement in a citizen science activity.

Knowledge production

- Production of scientific knowledge and clear research outcomes that include monitoring & observation.

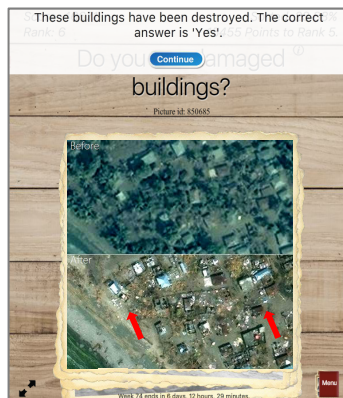
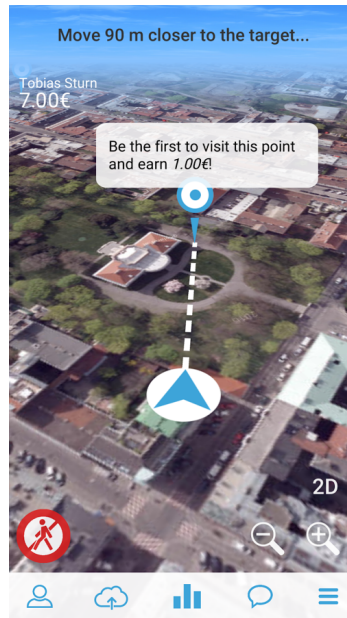


Results



The SDG indicators where citizen science projects are ‘already contributing’ (in green), ‘could contribute’ (in yellow) or where there is ‘no alignment’ (in grey). The overall citizen science contributions to each SDG are summarized as pie charts. Black borders around indicators show the overlap between citizen science and EO, as identified by GEO (2017)

Examples Tools



1.5.2 Direct economic loss attributed to disasters in relation to global gross domestic product (Picture Pile)

15.1.1 Forest area as a proportion of total land area (Global Forest Watch, Picture Pile, FotoQuest Go, etc.)

6.3.2 Proportion of bodies of water with good ambient water quality (Fresh Water Watch)

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

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.

Thank you!

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