

# CITIZEN SCIENCE | GLOBAL PARTNERSHIP

## Citizen science data for tracking progress towards sustainable development

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## Sustainable Development Goals (SDGs): 17 Goals, 169 Targets



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# The 169 commandments

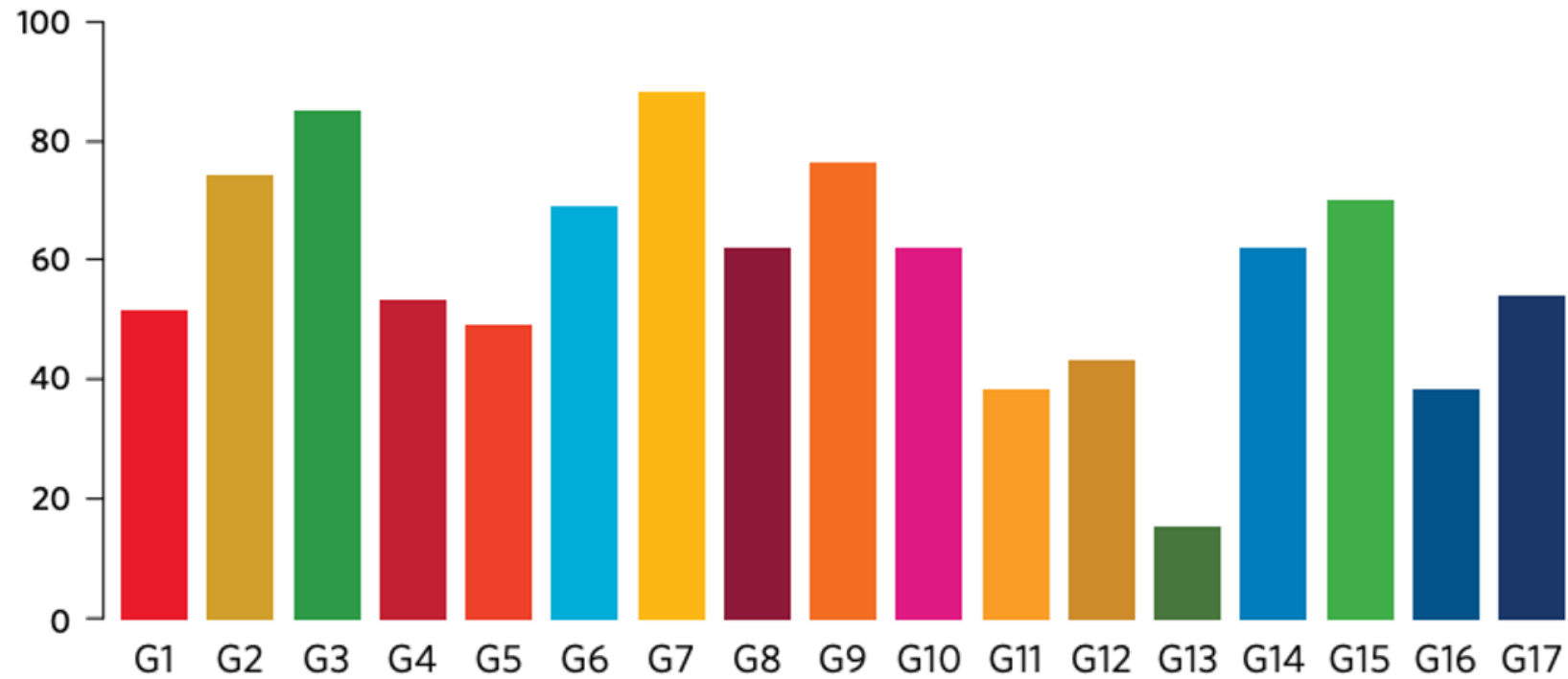
The proposed sustainable development goals would be worse than useless

Mar 26th 2015

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## 58% of the environmental SDG indicators lack data

Proportion of countries or areas with available data, by Goal (percentage)



Source: UN SDG Report, 2022



Sustainable Coastlines Charitable Trust is a New Zealand charity that exists to connect people to nature and inspire change.

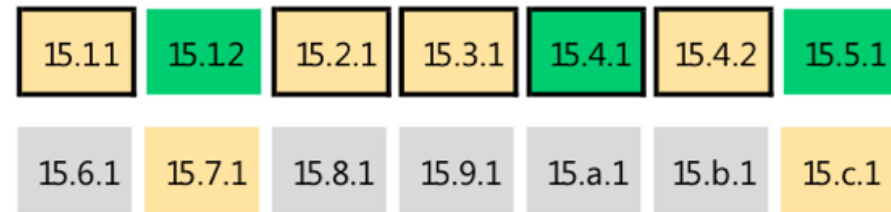
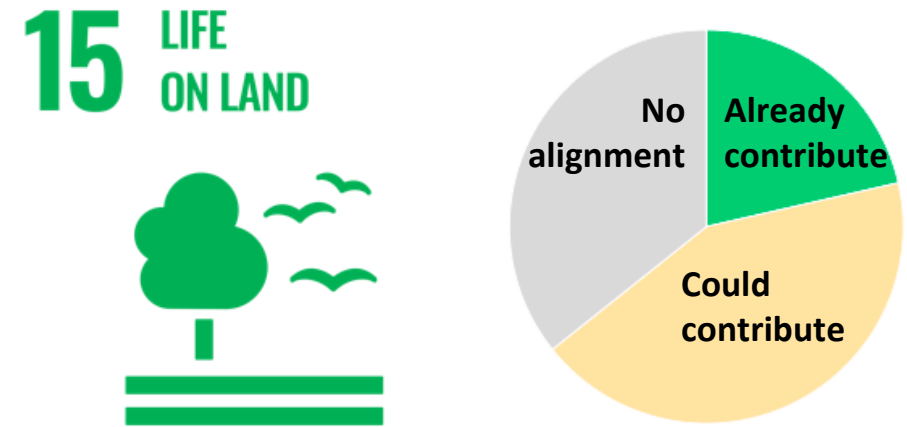
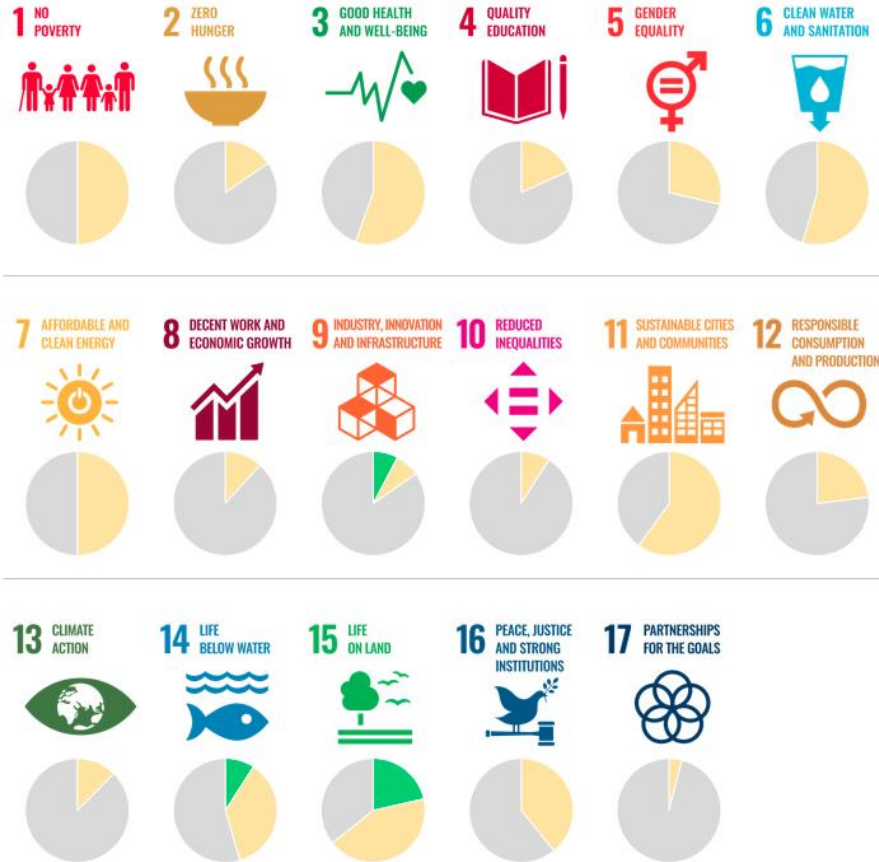


Public participation

Voluntary contributions

Scientific research and knowledge production

The SDG indicators where citizen science *projects* are ‘already contributing’, ‘could contribute’ or where there is ‘no alignment’

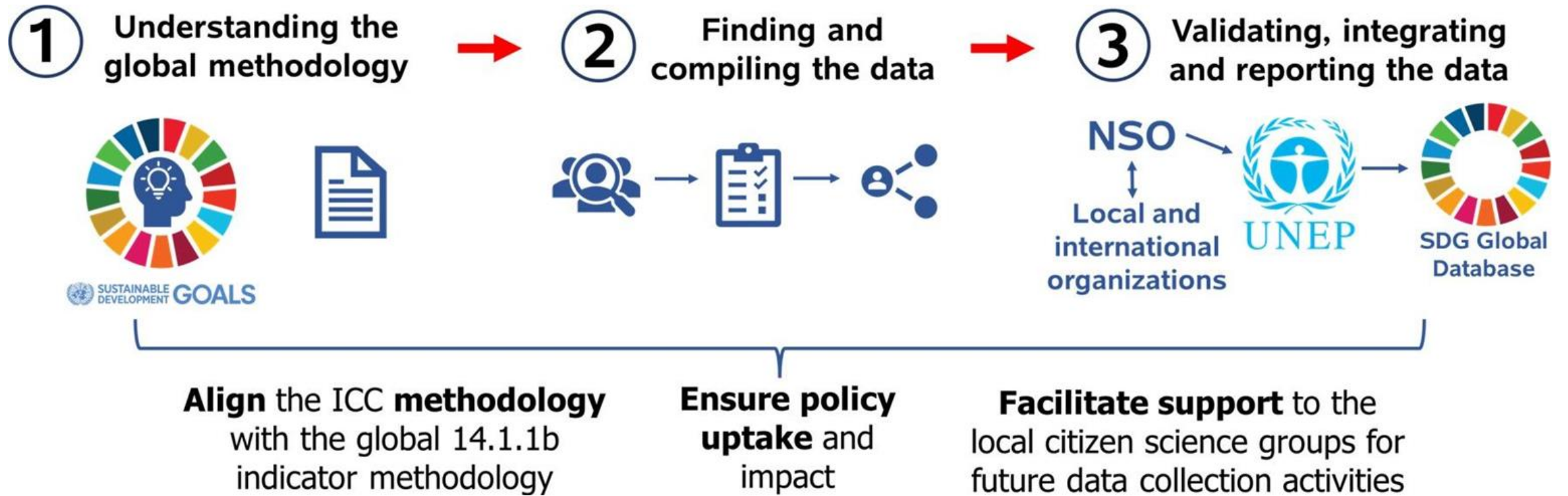


The SDG indicators where citizen science projects are “already contributing” (in green), “could contribute” (in yellow) or where there is “no alignment” (in grey). The overall citizen science contributions to each SDG are summarized as pie charts.



Olen, S.M. Citizen science tackles plastics in Ghana. *Nat Sustain* **5**, 814–815 (2022). <https://doi.org/10.1038/s41893-022-00980-y>  
Citizen Science for the SDGs StoryMap: <https://dataforchange.net/strengthening-measurement-of-marine-litter-in-Ghana>

The process of integrating citizen science data on marine litter for SDG indicator 14.1.1b reporting in Ghana



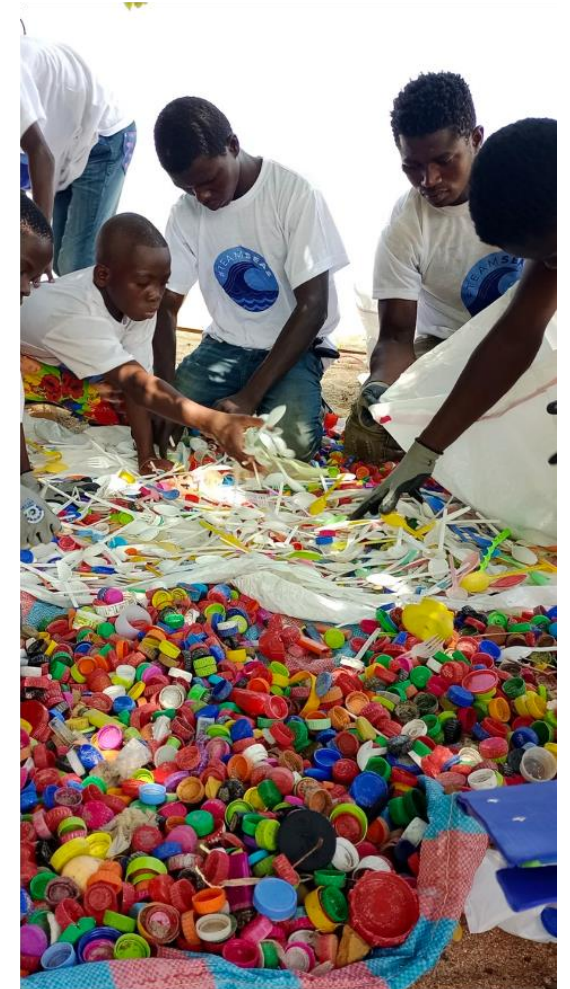


- Citizen science data for monitoring beach litter have been integrated into the official SDG monitoring and reporting mechanisms of Ghana
- *Ghana the first country to report on SDG indicator 14.1.1b and first country to use citizen science data for that purpose.*
- Citizen science data will *serve as inputs to Ghana's Integrated Coastal and Marine Policy*, currently under development, as well as other relevant policies to address the marine litter problem.

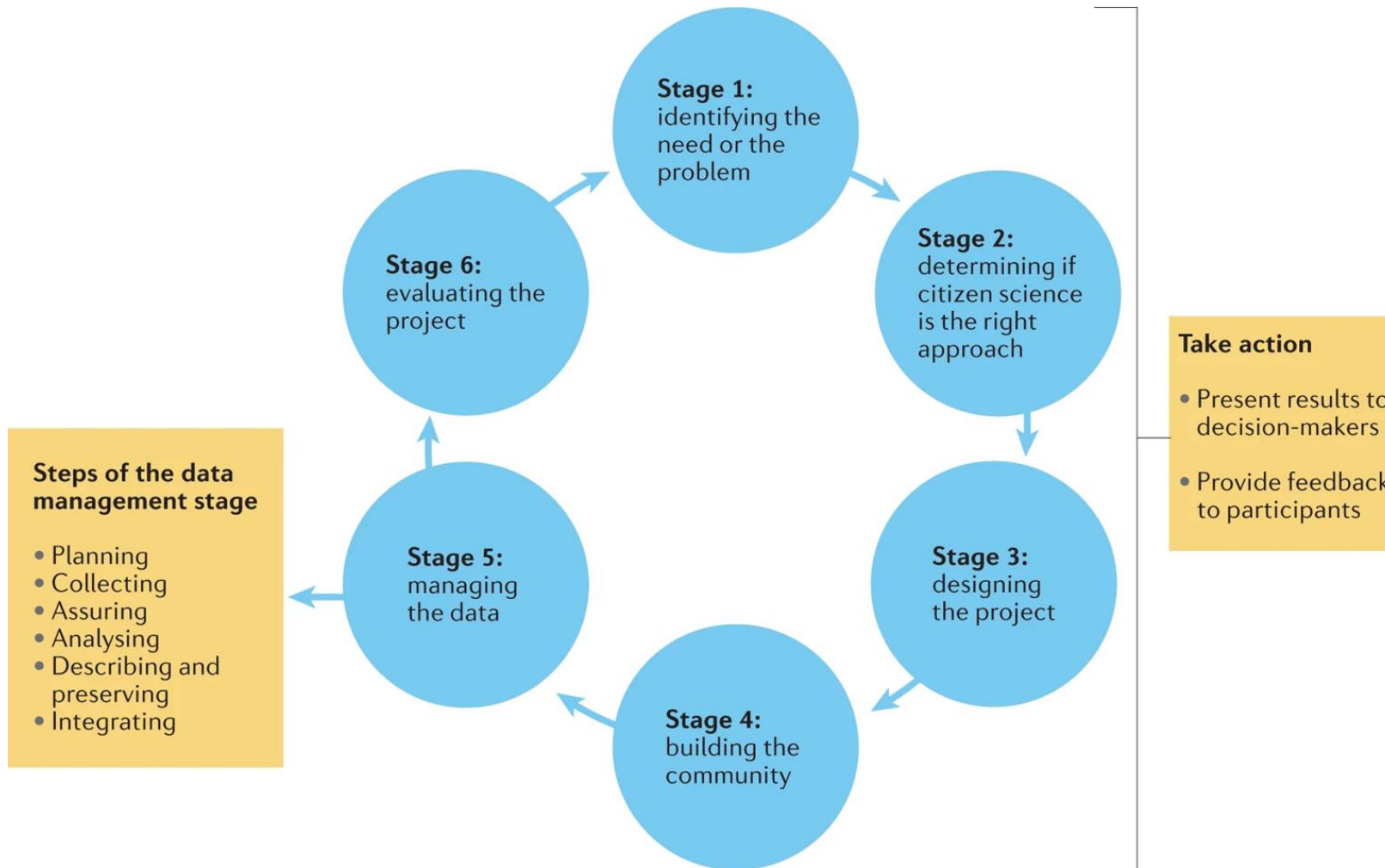
Create time and space for all the stakeholders  
to build trust, common goals and ownership



@Smart Nature Freaks Youth Volunteers Foundation



## UNDP - 16.6.2 Proportion of population satisfied with their last experience of public services



Investing in citizen science data can empower hard-to-reach individuals and communities and support more inclusive decision making, complementary to official ways of collecting data.

**CSGP is a network that aims to advance citizen science for a sustainable world,  
hosted at IIASA with a hub in Geneva**



## YOMA Operational Research

- Launched under the impetus of UNICEF and led by University of Geneva
- Operational Research to support the development of the Yoma platform for youth
- Builds on the methodology and results of the Crowd4SDG project
- Crowd4SDG partners: CSIC, UPC, UNIGE
- Other partners: ABC, Caliberco, IIASA, RLabs, CitSci Africa Association
  
- Objectives:
  - Support young Africans developing learning to earning opportunities using citizen science
  - Growing the digital skills and environmental awareness of young people
  - Developing grass-roots answers to climate resilience challenges that communities face
  - Integrating new technologies into the Yoma platform (AI, blockchain, crowdsourcing tools)

Contribution of IIASA: developing robust citizen science apps based on youth-made prototypes

Contribution of CSGP: CitSci Africa Association supporting local teams with local experts

Press release, 15 March 2023

## Helping young Africans innovate for climate resilience

Africa is the continent that will be most adversely affected by climate change. IIASA researchers are collaborating on Yoma OR – an ambitious project aimed at helping young people grow their digital skills as a first step on a journey from learning to earning.

