Citizen science, impact and Open Innovation in Science

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Citizen science

Public Participation

Knowledge production

Voluntary contributions
Sustainable Development Goals (SDGs)
33% of the SDG indicators can benefit from citizen science data

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.


Citizen Science for the SDGs StoryMap: https://dataforchange.net/strengthening-measurement-of-marine-litter-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.
...bridging local data collection efforts with global monitoring processes by leveraging the SDG framework.
Open Innovation in Science can increase scientific and societal impact of research...

Building trust in open and collaborative practices across various stakeholders

1. Ensure inclusiveness through meaningful engagement of all stakeholders
2. Listen and understand the motivations, interests, and concerns
3. Create time and space for these stakeholders to meet and connect
4. Be transparent about citizen science results and methodologies, especially how these methodologies were implemented
5. Citizens and communities are no free labor to close government data gaps; they should receive a share of the benefit from participating
Thank you!

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