The Crowd4SDG Innovation Process (GEAR Cycle)

Francois Grey

UNECE Side Event, Geneva 6 April 2022

Challenge-based Innovation

"The principal goal of education should be creating men and women who are capable of doing new things, not simply repeating what other generations have done."

Jean Piaget (1896-1980)

Project Inspiration

For crowdsourcing to achieve its full potential, governments will need to support projects that promote public participation in measuring progress towards the SDGs. National statistics offices must develop best practices for integrating crowdsourced data.

"SDG indicators need crowdsourcing"
N. Seth and Y. Flückiger, Nature, 23 March 2016
(https://www.nature.com/articles/531448c)

Project Participants

Mission

The overall aim of the Crowd4SDG project is to explore and assess whether, to what degree and according to which scientific standards **citizen science** can contribute to the twin tasks of:

- **tracking progress** towards the SDGs

- generating **grassroots innovation** that enable such progress

Methodology: GEAR cycle

GATHER

Selecting with Goodwall

8 weeks, 250 participants

M1

REFINE

Sharing at Geneva Trialogue

2 days, 2 participants

M9

M3

EVALUATE

Coaching with Open17 Challenge

5 weeks, 50 participants

M6

ACCELERATE

Prototyping with CBI Workshop

2 weeks, 10 participants

1st GEAR Cycle: Climate and Cities

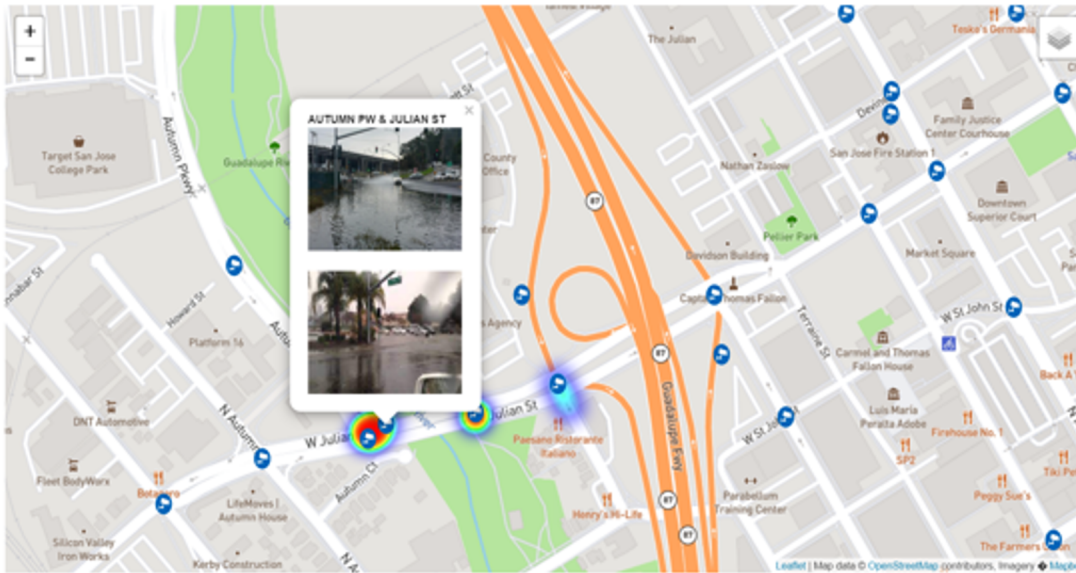https://www.goodwall.io/

Results: Engaging with Global Youth
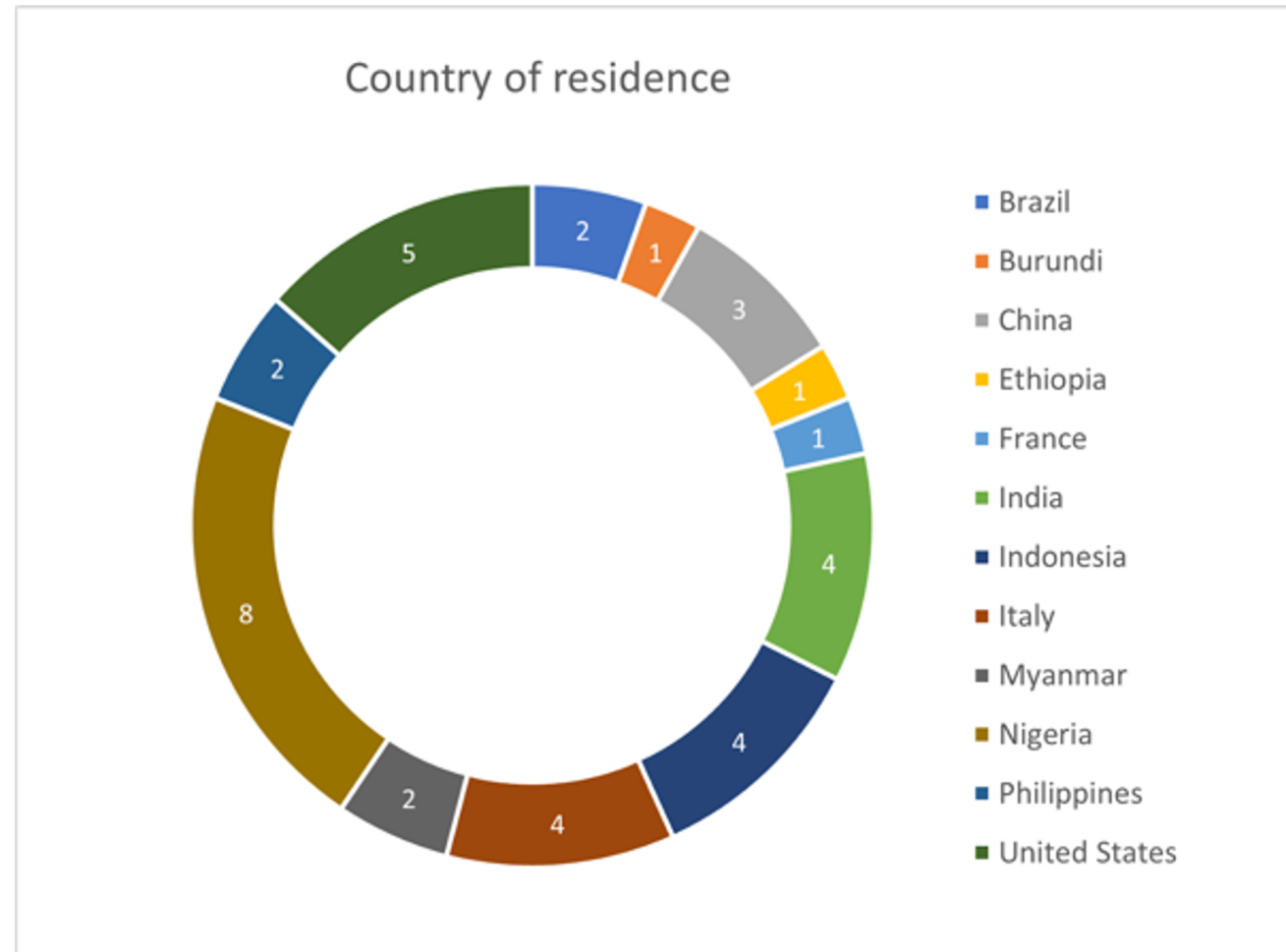
Results: Creating SDG Entrepreneurs

Project Flood Finder
Student project from Crowd4SDG
Based on crowdsourcing and AI

Deeya Viradia
16 year-old highschool student
Led the Flood Finder team

Deeya is first author on a poster about her project accepted at ISCRAM 2021
Flood Finder won competition to join social incubator run by Code for America

2nd GEAR Cycle: Climate and Gender

Donate Water

Initial Idea: Solar powered water pumps

Final Prototype: Gathering and mapping data about broken water pumps

Exploitation Plan: with local Nigerian incubator AfrIlabs, Nigerian NSO

Womer

Initial Idea: Gathering knowledge about indigenous women and climate change

Final Prototype: Gathering and visualizing data on biodiversity in remote regions

Exploitation Plan: with SDG Accelerator in Geneva, OHCHR, Colombian NSO

WOMER
.app

Timeline : Next GEAR Cycle starts August

Climate Hazards and Cities

Climate Resilience and Gender

Climate Adaptation and Rights

Year 1 → Year 2 → Year 3