The One Million Voices initiative:

Building an inclusive citizen science platform for agroecology

14 June 2023
The dream: One Million Voices for and of Agroecology

Objective: Develop a citizen science tool that
- enables all users to inclusively participate in agroecology movements
- supports sustainable adoption of agroecology
- contributes to the collection, co-creation and sharing of information to address key knowledge gaps on the performance of agroecology

Citizen science is a practice that involves citizens or non-professionals/non-experts, that are involved in the production of new scientific knowledge, that overall aim to “make the world a better place” (Strasser and Haklay, 2018)

How can citizen science support agroecology and agroecological transformation?
The process: Steps towards the dream

- Conducted a **global review** of existing citizen science initiatives that are relevant to agroecology
- Built partnerships with regional networks in 4 regions + held series of dialogues
  - **Regional review**: Existing regional CS initiatives
  - **Direct engagement**: Specific interest for new CS initiative
## Priority co-creation: Research questions and features

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<th>Research Questions and Features</th>
<th>West Africa dialogues</th>
<th>South-East Asia dialogues</th>
<th>Latin America/ Andes dialogues</th>
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<td>How are they characterised?</td>
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<td>How are they &amp; their impact evaluated?</td>
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<td>Who participates &amp; collaborates?</td>
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<td>Climate change effects</td>
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We present: The OMV for Agroecology platform

One Million Voices of Agroecology

Discover and share valuable resources and knowledge, find agroecological practices near you and connect with a like-minded community. Create a profile, explore, be found.

Register and map a location where you practice agroecology

Share which practices you implement
i. Characterise
ii. Evaluate
iii. Acknowledge knowledge sources

Connect with other users, filter the data, comment, exchange, mobilise

The OMV team and Agroecology Map introduce:
https://onemillionvoices.agroecologymap.org/
Bekashi composting
Location: E5 Garden

Aquaponics
Location: Sa Farm

Integrated, diversified, organic farming
Location: Sa Farm

Summary description of agroecological practice
Bekashi composting is a process where organic waste is transformed into compost. The process involves mixing of kitchen waste with a Bekashi solution in an airtight container. After about 12 days of fermentation, the mixture produces a Bekashi compost that can be used in 14 cm deep trenches in a mixture 1:1 with soil.

Bekashi is an anaerobic fermentation process rather than a traditional aerobic composting method.

Type of agroecological practice
Alternative bio-fertilizer

Implementing the practice
The practice typically uses kitchen waste (including green waste, vegetables, and fruit peels and pieces) in very small piles and not in a continuous stack. Every day we have a bucket, where we layer the trash with a Bekashi inoculant (usually used in combination with effective microorganisms). In a mixture of 1:1 Bekashi and kitchen waste, the composting is carried out. The mixture is placed in a 14 cm deep trench with 14 cm deep, and then the Bekashi liquid is taken into the can also out a few days. An integrated system calls for regular collection of the liquid produced during fermentation, for use in the Bekashi food or treated soil.

We periodically add natural inoculants to the garden, along with the formulated Bekashi compost, and cover it with soil. We sometimes combine it with other natural materials, such as dry leaves and peat.
A call for action

• Register and share, learn and exchange through the platform
• Support others in your networks to use
• And share your experiences with us to foster continuous improvement

Let’s realise the dream, together!
Please get in touch: L.Fuchs@cifor-icraf.org
Visit the One Million Voices project website
Enjoy the One Million Voices of Agroecology platform!

A big thank you to all direct and indirect partners…
Addition: The five core recommendations from the global review

1. Understand the motivation for participation and explicitly centre peoples' interests
2. Give back to participants by making data outputs accessible
3. Make it accessible for diverse sets of users
4. Keep it simple and grown from there
5. Build on existing networks in developing, hosting, and popularizing the initiative