



Agroecology & Land Rights:

Solutions on two sides of the same coin

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2022 LEDE Fellow

Agroecology: the management of farmlands like ecosystems.

Keywords: Resource Efficiency: input reduction, recycling.
Strengthening Resilience: soil health, animal health, biodiversity, synergy, livelihood diversification.



Ecological principles are extended to food systems

For socio-economic responsibility/accountability

- Co-creation of knowledge
- Cooperation
- Mutual Aid
- Land & Natural Resource Governance

Systems Thinking Approach



Global Industrial Agriculture

- Large scale, high-input
- Monoculture
- Agrochemical dependent
- Rely on specific technology
- Placeless
- Patented
- Corporate-captured science

Agroecology

- Community-based food production
- Diversification
- Input reduction
- Interactions are managed among components
- Locally adapted
- Free for public breeding
- Democratized science

- **Surplus x Hunger**
- **Labor Exploitations**
- **Land conflicts with Indigenous peoples**
- **Environmental degradation**
- **Threaten biodiversity**
- **Climate impact**
- **Neglect of local sustainable practices**



How saving seeds can improve food security in the Philippines



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10 months ago



Urban poor community turns demolished homes into food security gardens

By Geela Garcia (Philstar.com) - March 24, 2021 - 6:21pm



Women water their community garden as early as 6 a.m. on March 10, 2021.



Solutions Journalism

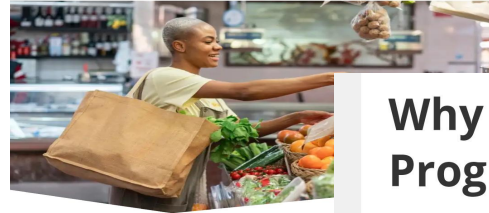
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Complementary currencies have such as supporting local businesses economic inclusion for those with traditional capital. PHOTO BY WESTEND61/GETTY IMAGES

Alternative currencies ca

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“This is a breakthrough for us, especially that it revived and also enhanced our seed saving culture,”

Source:
<https://www.google.com/amp/s/the-inkline.com/2021/05/22/how-saving-seeds-can-improve-food-security-in-the-philippines/amp/>

INKLINE



How saving seeds can improve food security in the Philippines



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Urban poor community turns demolished homes into food security gardens

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Women water their community garden as early as 6 a.m. on March 10, 2021.

Not only has it become a “food source but also a strategy for food security and defending land rights.”
-Save San Roque Alliance

Source:
<https://www.google.com/amp/s/www.philstar.com/headlines/2021/03/24/2086680/urban-poor-community-turns-demolished-homes-food-security-gardens/amp/>

The Power of Local Money for a Thriving Local Economy



“Even as Co-op
Cred folded, the
concept sowed
seeds
elsewhere.”



Complementary currencies have social goals,
such as supporting local businesses or increasing
economic inclusion for those without access to
traditional capital.

PHOTO BY WESTEND61/GETTY IMAGES

“They [The government] should allow farmers to propagate their own seeds into resilient crops by letting them have the control of their food production.”

Source:
<https://www.bulatlat.com/2021/10/30/why-balik-binhi-program-is-a-proactive-climate-response/>

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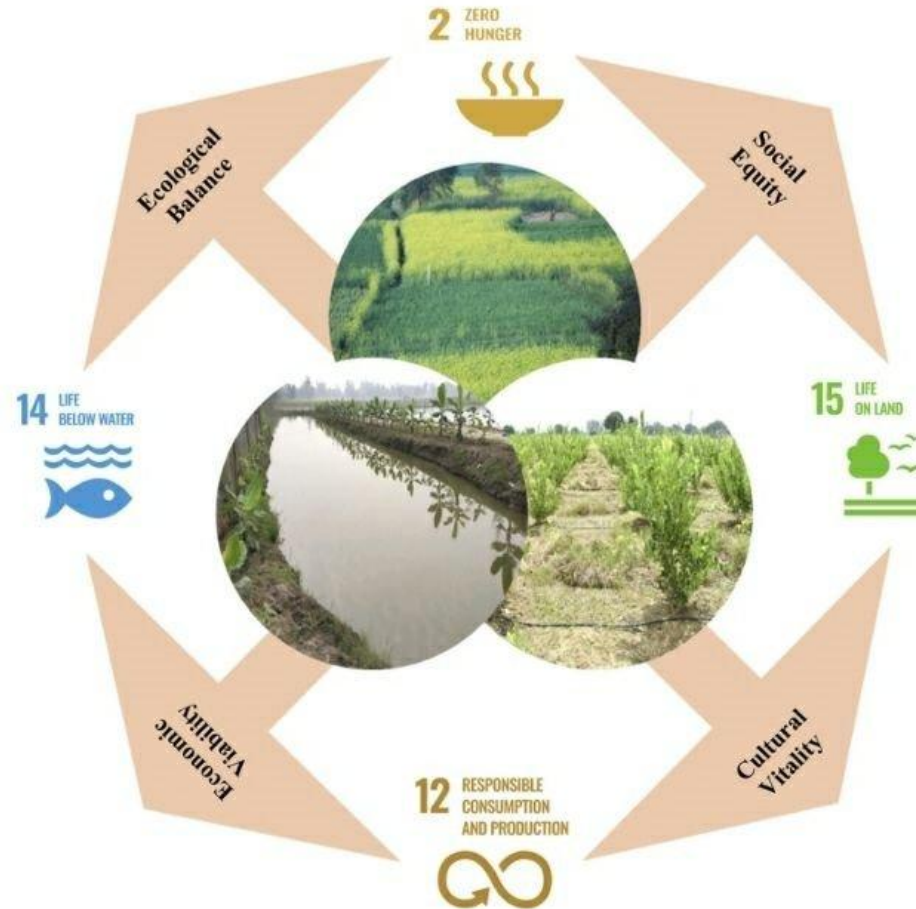


Fig. 1. Managing agroecosystems are the need of the hour for maintaining (i) ecological stability, (ii) social equity, (iii) economic viability and, (iv) cultural vitality. Agroecosystem management is also related to the attainment of UN-SDGs such as Zero hunger (Goal No.2), Responsible consumption and production (Goal No. 12), Life below water (Goal No.14), and Life on land (Goal No.15).



Reading Recommendations

1. Food security and farmer empowerment: a study of the impacts of farmer-led sustainable agriculture in the Philippines by Sarah Wright, Elizabeth Cruzada, and Lorenz Bachmann.
2. True Value: Revealing the Positive Impacts of Food Systems Transformation by TMG Think Tank for Sustainability.
3. Agroecological and other innovative approaches for sustainable agriculture and food systems that enhance food security and nutrition. A report by the High Level Panel of Experts on Food Security and Nutrition.
4. Mapping Giant Honey Bee Nests in Palawan, Philippines through transdisciplinary approach by Denise Margaret Matias, et al.
5. Amplifying the Deliberative Agency of Indigenous Communities in Philippine News Media by Athena Presto and Nicol Curato.
6. https://www.the-scientist.com/reading-frames/opinion-going-beyond-seed-banks-69573?utm_content=196162734&utm_medium=social&utm_source=twitter&hss_channel=tw-18198832
7. <https://drive.google.com/file/d/13SrsvehhuIXJOJ2x15O48DI5KAOzs3Nk/view?usp=drivesdk> (The other face of plunder in Mindanao)
8. <https://www.google.com/amp/s/theconversation.com/amp/food-production-generates-more-than-a-third-of-manmade-greenhouse-gas-emissions-a-new-framework-tells-us-how-much-comes-from-crops-countries-and-regions-167623> Food production emissions

MASIPAG, Global Seed Savers Philippines, Rice Watch Action Network, People's Coalition on Food Sovereignty, Seed Project Asia, Non-Timber Forest Products-Exchange Program, AMIHAN (National Federation of Peasant Women)