





Internal

controls

**Evaluation methodologies as** 

learning platforms

**External** 

controls

record

The evaluator should:

Provide feedback and recommendations

Share ideas and suggestions to help the

(Case 1. Field Verification Sheet, p.1)

climate change. Case 2. Interviewee)

organization stablish sustainability measures

There are some NGOs like CONVEAGRO, FOVIDA also,

those who participate a lot especially with the

professionals, [they] train us on agriculture... pests of

some species, even new diseases that we face due to

# Participatory Guarantee Systems: Agroecological Certification to Enhance Small-Scale Family Farmers' Adaptive Capacity to Climate Change

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#### Introduction

- Adaptive capacity is the ability of a system to:
  - Adjust to climate change
  - Take advantage of opportunities
  - Cope with consequences.
- Governance and institutions are critical determinants of adaptive capacity and resilience since they stimulate:
  - Flows of knowledge
  - Participation
  - Interaction between stakeholders
- Participatory Guarantee Systems (PGS) are alternative mechanisms for regulating food production standards:
  - Adapted for the local market
  - Rely on active participation of stakeholders

#### Material and methods

- Multiple case study design. Two PGS initiatives from Peru
- Data collection:
  - Document and records:
    - Procedures manuals and standards (n = 4)
    - Farmers' field report (n = 54)
  - Semi structure interviews with key informants (n = 32)
- Data analysis:
  - Inductive thematic analysis



Fig 1. Case 1, red: PGS of Plataforma de Agricultura en Lima, Peru Case 2, blue: PGS of Consejo Regional Junin, Peru

### **Findings**

## **Organization** as compliance criteria One of the prerequisite necessary to qualify for the seal: Be an organization or a collective of urban or periurban farmers. (Case 1. Standard, p.1) They must have a 'local nucleus', they must have a minimum of 10 participants, now due to the pandemic we have been making the formats more flexible and erm... group them within 6 people. The 6 producers form a local nucleus and present the documents so that they can belong [to the PGS]. (Case 2 Interviewee) Sustainable agriculture as standard production rules No chemical pesticides Different items are verified during evaluations of the PGS of Junin **Organic** Crop fertilizer rotation companion Different items are verified during evaluations of the PGS of Lima The standard is the document that determines the rules of how the production, processing, certification and marketing of organic or ecological products should be(Case 2. Standard, p. 7) Agricultural production must be free from the use of

synthetic inputs in order to provide healthy and safe

The urban agroecological production standard applies to:

(1) Plant production, (2) Animal production, (3)

Agricultural inputs and (4) Food processing. (Case 1.

Since there is no human activity that does not generate

impacts on the environment, attention to the care of

ecological systems essential for our survival is of vital

importance, always promoting positive impacts on the

environment.. (Case 1. Standard, p. 1)

products to consumers. (Case 1. Standard, p. 4)

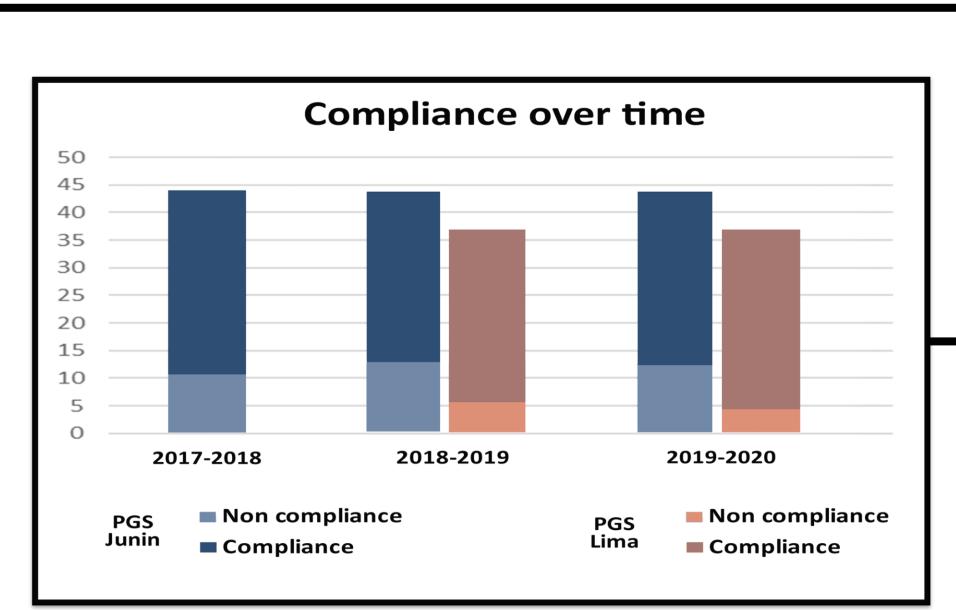


Fig 2. On site evaluation training. Case 1. Photographic

Fig 3. Trend of compliances of production rules. Average number of compliances extracted from farmers' field reports show a sustained number for the case of the PGS Junín and a increase over time for the case of the PGS Lima.

## Conclusion

Standard, p. 1)

- Through procedures and standard requirements PGS foster organization creation among individuals that want to get certified.
- Internal and external controls as evaluation methodologies of PGS facilitate learning spaces that allow knowledge exchange between farmers and evaluators.
- PGS provide a compulsory framework based on agroecological practices that guide farmers in the development of their practices. The yearly nature of the verification process allow a constant feedback for farmers and an improvement of their practices

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