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To cite this version:
Allison Marie Loconto, Anne Sophie Poisot, P. Santacoloma, Marcello Vicovaro. Innovative markets for sustainable agriculture: Exploring how innovations in market institutions encourage sustainable agriculture in developing countries. Workshop On sustainable Value Chaines For Sustainable Food Systems, Food and Agriculture Organization (FAO). INT. Programme des Nations Unies pour l’Environnement (UNEP)., Jun 2016, Rome, Italy. 16 diapos. hal-02742728

HAL Id: hal-02742728
https://hal.inrae.fr/hal-02742728
Submitted on 3 Jun 2020

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INNOVATIVE MARKETS FOR SUSTAINABLE AGRICULTURE:

EXPLORING HOW INNOVATIONS IN MARKET INSTITUTIONS ENCOURAGE SUSTAINABLE AGRICULTURE IN DEVELOPING COUNTRIES

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The impact of voluntary, social & environmental standards on smallholder access to markets

- One of the key findings: International voluntary standards have a positive impact on smallholder access to markets when local institutions have the capacity to support smallholder adoption of standards
  - NGOs who provide support services
  - Extension Services (public and private)
  - Public policies (e.g., subsidies)
  - Sector-specific characteristics/Corporate culture
  - Local certification bodies
  - Easily accessible testing laboratories

- Specifically for organic standards: national legislation in both exporting and importing counties
A collective research project

FAO and INRA Collaboration

- **2013** – Open call for proposals for innovations linking sustainable practices with markets
  - ✔ 87 proposals, 15 case studies selected.
  - ✔ Prioritized cases written by the innovators themselves.

- **2014-2015** - field visits, interviews with authors and other stakeholders, document analysis, and peer-review.
  - ✔ Analysis based on institutional innovations and actors’ roles in performing functions in innovation systems
  - ✔ 12 cases on agro-ecological practices and 3 using good agricultural practices.

- **2015** – International Researcher-Practitioner Workshop Bogotá, Colombia.

- **2016** – Policy Brief and Book Published
  - Researcher-Practitioner Workshop Chiang Mai, Thailand to develop a Practitioner’s Guide
### Figure 1: Location and typology

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<th>Multi-actor innovation platforms (IPs)</th>
<th>Participatory guarantee systems (PGS)</th>
<th>Community-supported agriculture (CSA)</th>
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What are ‘Institutional Innovations’?

• Institutional innovations are:
  - new rules and forms of interaction.
  - They help redefine sustainable practices for the local level and bring together food systems actors that have not traditionally worked together.
Multii-actor Innovation Platform

- Begins with partnerships located within local research, training or extension bodies and includes farmers
- Uses national and international knowledge to promote organic or sustainable agriculture practices
- Initial legitimacy comes from outside of the group, then builds internally
- The focus is on specific technologies and farmer-led experimentation
- A new local market is created as an outlet for supply: on-farm sales
- Changes seen in the rules for training, extension, production, and the allocation of responsibilities among these actors

Legend:
F1 = entrepreneurial activity
F2 = knowledge creation
F3 = knowledge creation through networks
F4 = guidance of the search
F5 = market formation
F6 = resources mobilizations
F7 = creation of legitimacy
Recommendation 1

- Promote interactive learning to create and spread knowledge where farmers have multiple roles
  - Farmer-led research
  - Learning-by-doing
  - Engaging non-traditional actors in research
How does the PGS innovation work?

Legend:
F1 = entrepreneurial activity
F2 = knowledge creation
F3 = knowledge creation through networks
F4 = guidance of the search
F5 = market formation
F6 = resources mobilizations
F7 = creation of legitimacy

- Begins with partnerships between farmers, consumers and intermediaries (including service providers, organic movements)
- Uses local and national knowledge (and harmonized international organic standards)
- Initial legitimacy comes from within the group, then outside recognition
- The focus is on an alternative form of certification (based on free or low-cost peer review) and farmer-led experimentation
- New local markets are created based on direct contact with consumers: farm visits, farmers’ markets, internet sales and supermarkets used
- Changes seen in the rules for organic production, internal organization and the sharing of roles and responsibilities among different people within the groups
So what is innovative about the PGS?

Participatory Guarantee System

- Research
- Inputs
- Support services/extension
- Farming
- Processing
- Certification
- Commercialization
- Farmer-led Research
- Inputs
- Support services/extension
- Farming
- Processing
- Certification
- Commercialization
- Retail
- Responsible consumption

Production

Trade

Consumption

Retail

Responsible Consumption
Recommendation 2

- Public support to strengthen farmers’ capabilities in strategic market negotiation
  - physical spaces for markets by organizing monthly or weekly markets for sustainably produced products
  - national fairs and exhibitions for high-quality food
Community Supported Agriculture

- Begins with grassroots entrepreneurial activities to resolve a community concern by relying upon community-based knowledge, and diffusing this through existing networks.
- Resources are mobilized from within the community.
- The CSA practices are reinforced through internal improvements over time, focalizing more on the purpose of the initiative and building both internal and external legitimacy.
- Market formation, often in the form of bringing the market into the community, is a result of these reinforcement mechanisms.
- Change seen in the rules for how the community creates a protected space to market their products within the local communities.

Legend:
F1 = entrepreneurial activity
F2 = knowledge creation
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F7 = creation of legitimacy
Recommendation 3

• Support communication and trust relationships between farmers, intermediaries and consumers by financing innovative, multi-stakeholder, participatory projects in the fields of research, tourism, community development and education.
How do market mechanisms incentivize the adoption of sustainable practices?

- Greater communication between producers and consumers
  - Identifying/communicating market demand for specific ‘qualities’ of the products (e.g., safe, organic, GAP)
- Multi-Actor Innovation Platforms and Community Supported Agriculture:
  - The incentives are found in the creation of local networks that integrate knowledge (creation and sharing), markets, resources and policy support at multiple levels (municipal, national, international trade)
- Participatory guarantee systems: Alternative certification mechanisms reduce costs of compliance with standards
  - Small farmer inclusion in the value chain is critical - not only as a producer, but also as an auditor and researcher – increases trust
- Shifting roles and sharing responsibilities between producers, consumers, researchers, intermediaries and public officials – reciprocity rather than only solidarity
Recommendation 4

- Scale-up and legitimize innovative initiatives through political frameworks and constitutional recognition of ongoing initiatives
Conclusions

• Incentives for adopting sustainable practices can come from the autonomy created when local actors develop innovative rules for market interactions.

• Local actors rely upon social values (e.g., trustworthiness, health (nutrition and safety), food sovereignty, youth development, farmer and community livelihoods) to adapt sustainable practices to local contexts and create new market outlets for their products which are core components of institutional innovations.

• Even when private actors (farmers, consumers, cooperatives, firms, etc.) are leading the innovations, partnerships with public actors and civil society are fundamental for legitimating political and physical spaces where sustainable agricultural knowledge, practices and products are exchanged through market interactions.
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